

Encyclopedia of Information Science and Technology, Fourth Edition

Mehdi Khosrow-Pour

Information Resources Management Association, USA



Table of Contents by Volume

Preface.....clxii

Guide to the Encyclopedia of Information Science and Technology, Fourth Edition.....clxviii

Acknowledgmentclxx

About the Editor.....clxxi

Volume I (A - BU)

Category: Accounting and Finance

Applying Artificial Intelligence to Financial Investing.....1

Hayden Wimmer, Georgia Southern University, USA

Roy Rada, University of Maryland – Baltimore County, USA

Distributed Parameter Systems Control and Its Applications to Financial Engineering15

Gerasimos Rigatos, Industrial Systems Institute, Greece

Pierluigi Siano, University of Salerno, Italy

Does Inter-Bank Investments Restraints Financing Performance of Islamic Banks?.....36

Mohammad Taqiuddin Mohamad, University of Malaya, Malaysia

Munazza Saeed, University of Malaya, Malaysia

An Extension to the Delone and Mclean Information Systems Success Model and Validation in the Internet Banking Context49

Veeraraghavan Jagannathan, National Institute of Technology, India

Senthilarasu Balasubramanian, National Institute of Technology, India

Thamaraiselvan Natarajan, National Institute of Technology, India

Impact of Business Groups on Payout Policy in India.....61

Ahana Bose, Indian Institute of Management Calcutta, India

Noise Trader.....	71
<i>Po-Keng Cheng, State University of New York, Stony Brook University, USA</i>	

Safeguarding of ATM	77
<i>Srividhya Srinivasan, University of Madras, India</i>	
<i>Priya Krishnamoorthy, SASTRA University, India</i>	
<i>Raghuraman Koteeswaran, SASTRA University, India</i>	

Category: Artificial Intelligence

Artificial Ethics	88
<i>Laura L. Pană, Polytechnic University of Bucharest, Romania</i>	
Artificial Intelligence	98
<i>Steven Walczak, University of South Florida, USA</i>	
Artificial Intelligence Review	106
<i>Amal Kilani, University of Gabes Tunisia, Tunisia</i>	
<i>Ahmed Ben Hamida, University of Sfax, Tunisia</i>	
<i>Habib Hamam, University of Moncton, Canada</i>	
Artificial Neural Networks.....	120
<i>Steven Walczak, University of South Florida, USA</i>	
Automatic Emotion Recognition Based on Non-Contact Gaits Information.....	132
<i>Jingying Wang, University of Chinese Academy of Sciences, China</i>	
<i>Baobin Li, University of Chinese Academy of Sciences, China</i>	
<i>Changye Zhu, University of Chinese Academy of Sciences, China</i>	
<i>Shun Li, University of Chinese Academy of Sciences, China</i>	
<i>Tingshao Zhu, University of Chinese Academy of Sciences, China</i>	
Board Games AI	144
<i>Tad Gonsalves, Sophia University, Japan</i>	
Computational Intelligence Approaches to Computational Aesthetics	156
<i>Erandi Lakshika, University of New South Wales, Australia</i>	
<i>Michael Barlow, University of New South Wales, Australia</i>	
Dotted Raster-Stereography	166
<i>Muhammad Wasim, Usman Institute of Technology, Pakistan</i>	
<i>Fauzan Saeed, Usman Institute of Technology, Pakistan</i>	
<i>Abdul Aziz, Usman Institute of Technology, Pakistan</i>	
<i>Adnan Ahmed Siddiqui, Hamdard University, Pakistan</i>	
Hybrid Computational Intelligence and the Basic Concepts and Recent Advances.....	180
<i>Georgios Dounias, University of the Aegean, Greece</i>	

Incremental Approach to Classification Learning	191
<i>Xenia Alexandre Naidenova, Research Centre of Military Medical Academy – Saint Petersburg, Russia</i>	
Machine Dreaming.....	202
<i>James Frederic Pagel, University of Colorado School of Medicine, USA</i>	
Moving Object Detection and Tracking Based on the Contour Extraction and Centroid Representation.....	212
<i>Naveenkumar M, National Institute of Technology Trichy, India</i>	
<i>Sriharsha K. V., National Institute of Technology Trichy, India</i>	
<i>Vadivel A, National Institute of Technology Trichy, India</i>	
Semantic Intelligence.....	220
<i>Maria K. Koleva, Institute of Catalysis, Bulgarian Academy of Sciences, Bulgaria</i>	
The Summers and Winters of Artificial Intelligence	229
<i>Tad Gonsalves, Sophia University, Japan</i>	
Swarm Intelligence for Multi-Objective Optimization in Engineering Design	239
<i>Janga Reddy Manne, Indian Institute of Technology Bombay, India</i>	
Trust and Decision Making in Turing's Imitation Game.....	251
<i>Huma Shah, Coventry University, UK</i>	
<i>Kevin Warwick, Coventry University, UK</i>	

Category: Assistive Technologies

Apps as Assistive Technology	266
<i>Emily C. Bouck, Michigan State University, USA</i>	
<i>Sara M. Flanagan, University of Kentucky, USA</i>	
<i>Missy D. Cosby, Michigan State University, USA</i>	
Assistive Technology and Human Capital for Workforce Diversity.....	277
<i>Ben Tran, Alliant International University, USA</i>	
Assistive Technology for Supporting Communication, Occupation, and Leisure by Children With Severe to Profound Developmental Disabilities	287
<i>Fabrizio Stasolla, University of Bari, Italy</i>	
<i>Viviana Perilli, Lega del Filo d'Oro – Molfetta, Italy</i>	
<i>Adele Boccasini, Lega del Filo d'Oro – Termini Imerese, Italy</i>	
Design, Manufacture, and Selection of Ankle-Foot-Orthoses.....	298
<i>Hasan Kemal Surmen, Istanbul University, Turkey</i>	
<i>Nazif Ekin Akalan, Istanbul University, Turkey</i>	
<i>Yunus Ziya Arslan, Istanbul Univesity, Turkey</i>	

A Disability-Aware Mentality to Information Systems Design and Development.....	314
<i>Julius T. Nganji, University of Ottawa, Canada</i>	

Category: Big Data

Adapting Big Data Ecosystem for Landscape of Real World Applications	326
<i>Jyotsna Talreja Wassan, University of Delhi, India</i>	
Big Data Analysis and Mining.....	338
<i>Carson K. Leung, University of Manitoba, Canada</i>	
Big Data Analytics for Tourism Destinations.....	349
<i>Wolfram Höpken, University of Applied Sciences Ravensburg-Weingarten, Germany</i>	
<i>Matthias Fuchs, Mid-Sweden University, Sweden</i>	
<i>Maria Lexhagen, Mid-Sweden University, Sweden</i>	
Big Data Time Series Stream Data Segmentation Methods.....	364
<i>Dima Alberg, Shamoon College of Engineering (SCE), Israel</i>	
Challenges for Big Data Security and Privacy	373
<i>M. Govindarajan, Annamalai University, India</i>	
How Visualisation and Interaction Can Optimize the Cognitive Processes Towards Big Data	381
<i>Antonio Feraco, Fraunhofer IDM@NTU, Singapore</i>	
<i>Marius Erdt, Fraunhofer IDM@NTU, Singapore</i>	
Managing and Visualizing Unstructured Big Data.....	394
<i>Ananda Mitra, Wake Forest University, USA</i>	
Mining Big Data and Streams.....	406
<i>Hoda Ahmed Abdelhafez, Suez Canal University, Egypt</i>	

Category: Bioinformatics

Bioinformatics.....	419
<i>Mark A. Ragan, The University of Queensland, Australia</i>	
Bioinspired Solutions for MEMS Tribology	431
<i>R. Arvind Singh, Kumaraguru College of Technology (KCT), India</i>	
<i>S. Jayalakshmi, Kumaraguru College of Technology (KCT), India</i>	
Building Gene Networks by Analyzing Gene Expression Profiles.....	440
<i>Crescenzo Gallo, University of Foggia, Italy</i>	
Concerns and Challenges of Cloud Platforms for Bioinformatics.....	455
<i>Nicoletta Dessì, Università degli Studi di Cagliari, Italy</i>	
<i>Barbara Pes, Università degli Studi di Cagliari, Italy</i>	

Category: Biology

- GWAS as the Detective to Find Genetic Contribution in Diseases 466
Simanti Bhattacharya, University of Kalyani, India
Amit Das, University of Kalyani, India

- RNA Interference Therapeutics and Human Diseases 477
Dolly Sharma, PEC University of Technology, India
Shailendra Singh, PEC University of Technology, India
Trilok Chand, PEC University of Technology, India

Category: Biomedical Engineering

- General Perspectives on Electromyography Signal Features and Classifiers Used for Control of Human Arm Prosthetics 492
Faruk Ortes, Istanbul University, Turkey
Derya Karabulut, Halic University, Turkey
Yunus Ziya Arslan, Istanbul University, Turkey

- The Principle and Process of Digital Fabrication of Biomedical Objects 505
S. H. Choi, The University of Hong Kong, Hong Kong
H. H. Cheung, The University of Hong Kong, Hong Kong
W. K. Zhu, The University of Hong Kong, Hong Kong

- Reverse Engineering in Rehabilitation 521
Emilia Mikołajewska, Nicolaus Copernicus University, Poland
Marek Macko, Kazimierz Wielki University, Poland
Zbigniew Szczepański, Kazimierz Wielki University, Poland
Dariusz Mikołajewski, Kazimierz Wielki University, Poland

Category: Business and Organizational Research

- Acceptance of E-Reverse Auction From the Buyer Perspective 530
Cigdem Altin Gumussoy, Istanbul Technical University, Turkey
Bilal Gumussoy, Shell and Turcas Petrol Inc., Turkey

- Advanced ICT Methodologies (AIM) in the Construction Industry 539
M. Reza Hosseini, Deakin University, Australia
Saeed Banihashemi, University of Technology Sydney, Australia
Fahimeh Zaeri, Auckland University of Technology, New Zealand
Alireza Adibfar, University of Florida, USA

- Amplifying the Significance of Systems Thinking in Organization 551
Mambo Governor Mupepi, Grand Valley State University, USA
Sylvia C. Mupepi, Grand Valley State University, USA
Jaideep Motwani, Grand Valley State University, USA

The Application of Crowdsourced Processes in a Business Environment	563
<i>Katarzyna Kopeć, Tischner European University, Poland</i>	
<i>Anna Szopa, Jagiellonian University, Poland</i>	
Architecture as a Tool to Solve Business Planning Problems	573
<i>James McKee, Independent Researcher, Australia</i>	
Benchmarking Performance Indicators of Indian Rail Freight by DEA Approach	587
<i>Neeraj Bhanot, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India</i>	
<i>Harwinder Singh, Guru Nanak Dev Engineering College, India</i>	
Bi-Directional Business/IT Alignment	601
<i>Hashim Chunpir, German Climate Computing Centre (DKRZ), Germany</i>	
<i>Frederik Schulte, University of Hamburg, Germany</i>	
<i>Yannick Bartens, University of Hamburg, Germany</i>	
<i>Stefan D. Voß, University of Hamburg, Germany</i>	
Business Sustainability Indices.....	609
<i>Arunasalam Sambhanthan, Curtin University, Australia</i>	
The Business Transformation Framework, Agile Project and Change Management	620
<i>Antoine Trad, Institute of Business and Information Systems Transformation Management, Switzerland</i>	
<i>Damir Kalpić, University of Zagreb, Croatia</i>	
The Business Transformation Framework and Its Business Engineering Law Support for (e)Transactions	636
<i>Antoine Trad, Institute of Business and Information Systems Transformation Management, Switzerland</i>	
<i>Damir Kalpić, University of Zagreb, Croatia</i>	
Challenges of Meta Access Control Model Enforcement to an Increased Interoperability.....	651
<i>Sérgio Luís Guerreiro, University of Lisbon, Portugal</i>	
Cognitive Ergonomics in 2016	662
<i>Ronald John Lofaro, Embry-Riddle Aeronautical University, USA</i>	
Corporate Social Responsibility	671
<i>Ben Tran, Alliant International University, USA</i>	
Digital Transformation Journeys in a Digitized Reality	682
<i>Jurgen Janssens, QSpin, Belgium</i>	
A Framework for Exploring IT-Led Change in Morphing Organizations	694
<i>Sharon A. Cox, Birmingham City University, UK</i>	

How the Crowdsourcing Enhance the Co-Creation Into the Virtual Communities.....	707
<i>Bahri Ammari Nedra, IHEC of Carthage, USA</i>	
Hyper-Sensitivity in Global Virtual Teams	720
<i>Andre Araujo, Texas A&M University, USA</i>	
Lean and Six Sigma Innovation and Design	729
<i>Rick Edgeman, Utah State University, USA</i>	
Motivational Factors of Telework.....	740
<i>Arlene J. Nicholas, Salve Regina University, USA</i>	
Organizational Transparency	754
<i>Gustavo de Oliveira Almeida, Federal University of the State of Rio de Janeiro, Brazil</i>	
<i>Claudia Capelli, Federal University of the State of Rio de Janeiro, Brazil</i>	
<i>Cristiano Maciel, Federal University of Mato Grosso, Brazil</i>	
Social Business Process Modeling.....	765
<i>Fadwa Yahya, University of Sfax, Tunisia</i>	
<i>Khouloud Boukadi, University of Sfax, Tunisia</i>	
<i>Zakaria Maamar, Zayed University, UAE</i>	
<i>Hanène Ben-Abdallah, King Abdulaziz University, Saudi Arabia</i>	
Social Issues in IT Project Teams:	777
<i>Awie C. Leonard, University of Pretoria, South Africa</i>	
<i>D. H. Van Zyl, University of Pretoria, South Africa</i>	
Viewpoints on Business Process Models.....	788
<i>Giorgio Bruno, Politecnico di Torino, Italy</i>	

Category: Business Education

Serious Games in Entrepreneurship Education	800
<i>Fernando Almeida, Polytechnic Institute of Gaya, Portugal</i>	
<i>Jorge Simões, ISPGaya, Portugal</i>	

Volume II (BU - CU)

Category: Business Information Systems

Architectural Framework for the Implementation of Information Technology Governance in Organisations	810
<i>Thami Batyashe, Cape Peninsula University of Technology, South Africa</i>	
<i>Tiko Iyamu, Cape Peninsula University of Technology, South Africa</i>	

Continuous Assurance and the Use of Technology for Business Compliance	820
<i>Rui Pedro Figueiredo Marques, Universidade de Aveiro, Portugal</i>	
Explaining and Predicting Users' Continuance Usage Intention Toward E-Filing Utilizing Technology Continuance Theory.....	831
<i>Santhanamery T., Universiti Teknologi MARA, Malaysia</i>	
<i>T. Ramayah, University Sains Malaysia, Malaysia</i>	
Forecasting the Demand of Agricultural Crops/Commodity Using Business Intelligence Framework	847
<i>Satyadhyan Chickerur, KLE Technological University, India</i>	
<i>Supreeth Sharma, Akamai Technologies, India</i>	
<i>Prashant M. Narayankar, KLE Technological University, India</i>	
Integrated Data Architecture for Business	862
<i>Richard Kumaradjaja, Renaissance Consulting, Indonesia</i>	
IT Strategy Follows Digitalization.....	873
<i>Thomas Ochs, Villeroy & Boch, Germany</i>	
<i>Ute Anna Riemann, SAP SE, Germany</i>	
The Main Concepts Behind the Dematerialization of Business Processes.....	888
<i>Liliana Ávila, University of Aveiro, Portugal</i>	
<i>Leonor Teixeira, University of Aveiro, Portugal</i>	
Scanning for Blind Spots	899
<i>Barbara Jane Holland, Brooklyn Public Library, USA</i>	
Strategic Information Systems Planning.....	912
<i>Maria Kamariotou, University of Macedonia, Greece</i>	
<i>Fotis Kitsios, University of Macedonia, Greece</i>	
Sustainable Advantages of Business Value of Information Technology	923
<i>Jorge A. Romero, Towson University, USA</i>	
Using Business Analytics in Franchise Organizations.....	930
<i>Ye-Sho Chen, Louisiana State University, USA</i>	
Category: Business Intelligence	
Big Data, Knowledge, and Business Intelligence	943
<i>G. Scott Erickson, Ithaca College, USA</i>	
<i>Helen N. Rothberg, Marist College, USA</i>	

Business Intelligence	951
<i>Richard T. Herschel, Saint Joseph's University, USA</i>	

Improving Competitiveness Through Organizational Market Intelligence.....	961
<i>George Leal Jamil, Informações em Rede, Brazil</i>	
<i>Leandro Rocha Dos Santos, In3 Inteligência de Mercado, Brazil</i>	
<i>Cecília C. Jamil, Stockholm University, Sweden</i>	

Category: Civil Engineering

Digital Animation for Representing Architectural Design	973
<i>Roberta Spallone, Politecnico di Torino, Italy</i>	

Literature Review of Augmented Reality Application in the Architecture, Engineering, and Construction Industry With Relation to Building Information.....	983
<i>Aydin Tabrizi, University of Kansas, USA</i>	
<i>Paola Sanguinetti, University of Kansas, USA</i>	

Category: Clinical Science and Technologies

A Gamification Update to the Taxonomy of Technology and Mental Health	995
<i>Madeline R. Marks, University of Central Florida, USA</i>	
<i>Amanda C. Tan, University of Central Florida, USA</i>	
<i>Clint Bowers, University of Central Florida, USA</i>	

Heart Sound Analysis for Blood Pressure Estimation	1006
<i>Rui Guedes, Faculdade de Medicina da Universidade do Porto, Portugal</i>	
<i>Henrique Cyrne Carvalho, Serviço de Cardiologia, Hospital de Santo António, Centro Hospitalar do Porto, Portugal</i>	
<i>Ana Castro, Universidade do Porto, Portugal</i>	

Sociological Perspectives on Improving Medical Diagnosis Emphasizing CAD.....	1017
<i>Joel Fisher, Department of State, United States Government, USA</i>	

Category: Cloud Computing

Cloud Computing.....	1026
<i>Eduardo Correia, Christchurch Polytechnic Institute of Technology (CPIT), New Zealand</i>	

Cloud Governance at the Local Communities	1033
<i>Vasileios Yfantis, Ionian University, Greece</i>	

Clouds of Quantum Machines	1040
<i>Nilo Sylvio Serpa, Universidade Paulista, Brazil</i>	

Cyberinfrastructure, Cloud Computing, Science Gateways, Visualization, and Cyberinfrastructure Ease of Use	1063
<i>Craig A. Stewart, Indiana University, USA</i>	
<i>Richard Knepper, Indiana University, USA</i>	
<i>Matthew R. Link, Indiana University, USA</i>	
<i>Marlon Pierce, Indiana University, USA</i>	
<i>Eric Wernert, Indiana University, USA</i>	
<i>Nancy Wilkins-Diehr, San Diego Supercomputer Center, USA</i>	
Fault Tolerant Cloud Systems	1075
<i>Sathish Kumar, VIT University, India</i>	
<i>Balamurugan B, VIT University, India</i>	
Fault Tolerant Data Management for Cloud Services.....	1091
<i>Wenbing Zhao, Cleveland State University, USA</i>	
From Information Systems Outsourcing to Cloud Computing	1101
<i>Mohammad Nabil Almunawar, Universiti Brunei Darussalam, Brunei</i>	
<i>Hasan Jawwad Almunawar, P. T. Tegar Kupas Mediatama, Indonesia</i>	
Improved Checkpoint Using the Effective Management of I/O in a Cloud Environment	1116
<i>Bakhta Meroufel, University of Oran1, Algeria</i>	
<i>Ghalem Belalem, University of Es Senia Oran1, Algeria</i>	
Service Quality and Perceived Value of Cloud Computing-Based Service Encounters.....	1129
<i>Eges Egedigwe, Dallas County Community College, USA</i>	
Understanding Business Models on the Cloud	1141
<i>Arash Najmaei, Australian Catholic University, Australia</i>	
Understanding Cloud Computing in a Higher Education Context	1153
<i>Lucy Self, University of Sussex, UK</i>	
<i>Petros Chamakiotis, University of Sussex, UK</i>	
Vertical Integration Between Providers With Possible Cloud Migration	1164
<i>Aleksandra Kostic-Ljubisavljevic, University of Belgrade, Serbia</i>	
<i>Branka Mikavica, University of Belgrade, Serbia</i>	
Virtualization as the Enabling Technology of Cloud Computing.....	1174
<i>Mohamed Fazil Mohamed Firdhous, University of Moratuwa, Sri Lanka</i>	
Category: Communications Theory	
Communication, Information, and Pragmatics	1186
<i>Adriana Braga, Pontifical Catholic University of Rio de Janeiro, Brazil</i>	
<i>Robert K. Logan, University of Toronto, Canada</i>	

Data Journalism 1196
Andreas A. Veglis, Aristotle University of Thessaloniki, Greece
Charalampos P. Bratsas, Aristotle University of Thessaloniki, Greece

Investigating Diachronic Variation and Change in New Varieties of English 1206
Rita Calabrese, University of Salerno, Italy

Negotiating Local Norms in Online Communication 1217
Jonathan R. White, Högskolan Dalarna, Sweden

Category: Computer Engineering

Architecture of an Open-Source Real-Time Distributed Cyber Physical System 1227
Stefano Scanzio, CNR-IEIIT, Italy

Consistency Is Not Enough in Byzantine Fault Tolerance 1238
Wenbing Zhao, Cleveland State University, USA

Category: Computer Simulation

Data Visualization Strategies for Computer Simulation in Bioelectromagnetics 1249
Akram Gasmelseed, Qassim University, Saudi Arabia
Ali H. Alharbi, Qassim University, Saudi Arabia

Ergonomic Design of a Driver Training Simulator for Rural India 1260
Prabir Mukhopadhyay, Indian Institute of Information Technology Design and Manufacturing Jabalpur, India
Vipul Vinzuda, National Institute of Design Gandhinagar, India

3D Scanning and Simulation of a Hybrid Refrigerator Using Photovoltaic Energy 1277
Edith Obregón Morales, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, Mexico

José de Jesús Pérez Bueno, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, Mexico

Juan Carlos Moctezuma Esparza, Universidad Politécnica Metropolitana de Hidalgo, Mexico

Diego Marroquín García, Universidad Tecnológica de San Juan del Río, Mexico

Arturo Trejo Pérez, Universidad Tecnológica de San Juan del Río, Mexico

Roberto Carlos Flores Romero, Universidad Tecnológica de San Juan del Río, Mexico

Juan Manuel Olivares Ramírez, Universidad Tecnológica de San Juan del Río, Mexico

Maria Luisa Mendoza López, Tecnológico Nacional de México, Instituto Tecnológico de Querétaro, Mexico

Juan Carlos Solís Ulloa, Instituto Tecnológico Superior de Cintalapa, Mexico

Yunny Meas Vong, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, Mexico

Víctor Hugo Rodríguez Obregón, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, Mexico

Uniform Random Number Generation With Jumping Facilities	1297
<i>E. Jack Chen, BASF Corporation, USA</i>	

Category: Computer Vision and Image Processing

A Critical Overview of Image Segmentation Techniques Based on Transition Region.....	1308
<i>Yu-Jin Zhang, Tsinghua University, China</i>	

Development of Image Engineering in the Last 20 Years	1319
<i>Yu-Jin Zhang, Tsinghua University, China</i>	

Particle Shape Analysis Using Digital Image Processing.....	1331
<i>Katia Tannous, University of Campinas, Brazil</i>	
<i>Fillipe Souza Silva, University of Campinas, Brazil</i>	

The Understanding of Spatial-Temporal Behaviors	1344
<i>Yu-Jin Zhang, Tsinghua University, China</i>	

Category: Criminal Science and Forensics

Forensic Investigations in Cloud Computing.....	1356
<i>Diane Barrett, Bloomsburg University of Pennsylvania, USA</i>	

Internet-Facilitated Child Sexual Exploitation Crimes.....	1366
<i>Keith F. Durkin, Ohio Northern University, USA</i>	
<i>Ronald L. DeLong, University of Dayton, USA</i>	

Knowledge-Based Forensic Patterns and Engineering System	1376
<i>Vivek Tiwari, International Institute of Information Technology Naya Raipur, India</i>	
<i>R. S. Thakur, Maulana Azad National Institute of Technology, India</i>	

Uncovering Limitations of E01 Self-Verifying Files	1384
<i>Jan Krasniewicz, Birmingham City University, UK</i>	
<i>Sharon A. Cox, Birmingham City University, UK</i>	

Category: Crisis Response and Management

Crisis Response and Management	1396
<i>Sergey V. Zykov, National Research University Higher School of Economics, Russia</i>	

Information Science and Technology in Crisis Response and Management	1407
<i>Randy Basham, University of Texas at Arlington, USA</i>	

Category: Curriculum Development and Instructional Design

Addressing Digital Competencies, Curriculum Development, and Instructional Design in Science Teacher Education.....	1420
<i>Isha DeCoito, Western University, Canada</i>	
Designing Engaging Instruction for the Adult Learners.....	1432
<i>Karen Swanson, Mercer University, USA</i>	
<i>Geri Collins, Mercer University, USA</i>	
Educational Ontology Development.....	1441
<i>Galip Kaya, Havelsan Inc., Turkey</i>	
<i>Arif Altun, Hacettepe University, Turkey</i>	
Factors Contributing to the Effectiveness of Online Students and Instructors	1451
<i>Michelle Kilburn, Southeast Missouri State University, USA</i>	
<i>Martha Henckell, Southeast Missouri State University, USA</i>	
<i>David Starrett, Columbia College, USA</i>	
Increasing Student Engagement and Participation Through Course Methodology	1463
<i>T. Ray Ruffin, University of Phoenix, USA & Grand Canyon University, USA & Ashford University, USA & North Carolina Wesleyan College, USA</i>	
<i>Donna Patterson Hawkins, University of Phoenix, USA</i>	
<i>D. Israel Lee, Southern Illinois University, USA & University of Phoenix, USA</i>	
Instructional Real World Community Engagement	1474
<i>Caroline M. Crawford, University of Houston – Clear Lake, USA</i>	
Learner Engagement in Blended Learning	1487
<i>Kristian J. Spring, Brigham Young University, USA</i>	
<i>Charles R. Graham, Brigham Young University, USA</i>	
<i>Tarah B. Ikahihifo, Brigham Young University, USA</i>	
Measuring Text Readability Using Reading Level	1499
<i>James C. Brewer, Texas Tech University, USA</i>	
Multimodal Literacy	1508
<i>Maryann Tatum Tobin, University of Miami, USA</i>	
An Open Learning Format for Lifelong Learners' Empowerment.....	1517
<i>Sabrina Leone, Università Politecnica delle Marche, Italy</i>	
Reflection as a Process From Theory to Practice.....	1529
<i>Sonia Bharwani, Indian School of Management and Entrepreneurship, India</i>	
<i>Durgamohan Musunuri, Bhavan's Usha and Lakshmi Mittal Institute of Management, India</i>	

Relationship Among Intelligence, Achievement Motivation, Type of School, and Academic Performance of Kenyan Urban Primary School Pupils	1540
<i>Jessina Mukomunene Muthee, Kenyatta University, Kenya</i>	
<i>Catherine G. Murungi, Kenyatta University, Kenya</i>	
Screencasts and Learning Styles	1548
<i>Rui Alberto Jesus, CESPU, Instituto de Investigação e Formação Avançada em Ciências e Tecnologias da Saúde, Portugal</i>	
Self-Awareness and Motivation Contrasting ESL and NEET Using the SAVE System	1559
<i>Laura Vettraino, Learning Community, Italy</i>	
<i>Valentina Castello, CIOFS FP, Italy</i>	
<i>Marco Guspinì, educommunity – Educational Community, Italy</i>	
<i>Eleonora Guglielman, Learning Community, Italy</i>	

Category: Customer Relationship Management

Analysis of Two Phases Queue With Vacations and Breakdowns Under T-Policy	1570
<i>Khalid Alnowibet, King Saud University, Saudi Arabia</i>	
<i>Lotfi Tadj, Fairleigh Dickinson University, Canada</i>	
Customer Lifetime Value	1584
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Facilitating Customer Relationship Management in Modern Business.....	1594
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Implementing a Customer Relationship Management (CRM) System.....	1605
<i>Dimitra Skoumpopoulou, Northumbria University, UK</i>	
<i>Benjamin Franklin, Northumbria University, UK</i>	

Volume III (CU - ED)

The Intelligence of E-CRM Applications and Approaches on Online Shopping Industry.....	1616
<i>Bashar Shahir Ahmed, University Abdelmalek Essaadi (LEROZA Laborator), Morocco</i>	
<i>Fadi Amroush, Universidad de Salamanca, Spain</i>	
<i>Mohammed Ben Maati, University Abdelmalek Essaadi, Morocco</i>	
Optimizing Cloud Computing Costs of Services for Consumers	1627
<i>Eli Weintraub, Afeka Tel Aviv College of Engineering, Israel</i>	
<i>Yuval Cohen, Afeka Tel Aviv College of Engineering, Israel</i>	
Taxonomy for “Homo Consumens” in a 3.0 Era	1638
<i>Carlos Ballesteros, Universidad Pontificia Comillas, Spain</i>	

Category: Cyber and Network Security

Cyber Security Protection for Online Gaming Applications	1647
<i>Wenbing Zhao, Cleveland State University, USA</i>	
Piracy and Intellectual Property Theft in the Internet Era.....	1656
<i>Shun-Yung Kevin Wang, University of South Florida – St. Petersburg, USA</i>	
<i>Jeremy J McDaniel, Principal Financial Group, USA</i>	
Secure Group Key Sharing Protocols and Cloud System	1667
<i>Vaishali Ravindra Thakare, VIT University, India</i>	
<i>John Singh K, VIT University, India</i>	
Security of Internet-, Intranet-, and Computer-Based Examinations in Terms of Technical, Authentication, and Environmental, Where Are We?.....	1676
<i>Babak Sokouti, Tabriz University of Medical Sciences, Iran</i>	
<i>Massoud Sokouti, Mashhad University of Medical Sciences, Iran</i>	
A Three-Vector Approach to Blind Spots in Cybersecurity.....	1684
<i>Mika Westerlund, Carleton University, Canada</i>	
<i>Dan Craigen, Carleton University, Canada</i>	
<i>Tony Bailetti, Carleton University, Canada</i>	
<i>Uruemu Agwae, Carleton University, Canada</i>	

Category: Cyber Crime, Cyber Bullying, and Digital Terrorism

Cyber Bullying.....	1695
<i>Jo Ann Oravec, University of Wisconsin – Whitewater, USA</i>	
Cyberbullying Among Malaysian Children Based on Research Evidence.....	1704
<i>Sarina Yusuf, Universiti Putra Malaysia, Malaysia</i>	
<i>Md. Salleh Hj. Hassan, Universiti Putra Malaysia, Malaysia</i>	
<i>Adamkolo Mohammed Mohammed Ibrahim, Universiti Putra Malaysia, Malaysia &</i>	
<i>University of Maiduguri, Nigeria</i>	
The Nature, Extent, Causes, and Consequences of Cyberbullying.....	1723
<i>Michelle F. Wright, Masaryk University, Czech Republic</i>	

Category: Data Analysis and Statistics

Advanced Recommender Systems.....	1735
<i>Young Park, Bradley University, USA</i>	
Centrality Analysis of the United States Network Graph	1746
<i>Natarajan Meghanathan, Jackson State University, USA</i>	

Context-Aware Approach for Restaurant Recommender Systems.....	1757
<i>Haoxian Feng, University of Ottawa, Canada</i>	
<i>Thomas Tran, University of Ottawa, Canada</i>	
Data-Centric Benchmarking	1772
<i>Jérôme Darmont, Université de Lyon, Lyon 2, ERIC EA3083, France</i>	
Data Linkage Discovery Applications	1783
<i>Richard S. Segall, Arkansas State University, USA</i>	
<i>Shen Lu, University of South Florida, USA</i>	
Exploratory Data Analysis on Breast Cancer Prognosis.....	1794
<i>Mohammad Mehdi Owrang O., American University, USA</i>	
<i>Yasmine M. Kanaan, Howard University, USA</i>	
<i>Robert L. Copeland Jr., Howard University, USA</i>	
<i>Melvin Gaskins, Howard University Hospital, USA</i>	
<i>Robert L. DeWitty Jr., Providence Hospital, USA</i>	
In-Memory Analytics.....	1806
<i>Jorge Manjarrez Sánchez, Instituto Tecnológico Superior de Jerez, Mexico</i>	
Innovative Formalism for Biological Data Analysis.....	1814
<i>Calin Ciufudean, Stefan cel Mare University, Romania</i>	
Learning From Imbalanced Data	1825
<i>Lincy Mathews, M. S. Ramaiah Institute of Technology, India</i>	
<i>Seetha Hari, Vellore Institute of Technology, India</i>	
Neighborhood Rough-Sets-Based Spatial Data Analytics.....	1835
<i>Sharmila Banu K, VIT University, India</i>	
<i>B. K. Tripathy, VIT University, India</i>	
The Ontology of Randomness	1845
<i>Jeremy Horne, The International Institute of Informatics and Systems, USA</i>	
Order Statistics and Applications.....	1856
<i>E. Jack Chen, BASF Corporation, USA</i>	
Recommender Technologies and Emerging Applications	1869
<i>Young Park, Bradley University, USA</i>	
Use of Data Analytics for Program Impact Evaluation and Enhancement of Faculty/Staff Development	1880
<i>Samuel Olugbenga King, Auburn University, USA</i>	

Category: Data Mining and Databases

- Corporate Disclosure Measurement..... 1896
Md. Salah Uddin Rajib, Jahangirnagar University, Bangladesh
Md. Qutub Uddin Sajib, China University of Geosciences (CUG), China
- Data Mining and Knowledge Discovery in Databases..... 1907
Ana Azevedo, Polytechnic Institute of Porto, Portugal
- Data Mining and the KDD Process..... 1919
Ana Funes, Universidad Nacional de San Luis, Argentina
Aristides Dasso, Universidad Nacional de San Luis, Argentina
- Data Mining to Identify Project Management Strategies in Learning Environments..... 1934
Ana González-Marcos, Universidad de La Rioja, Spain
Joaquín Ordieres-Meré, Universidad Politécnica de Madrid, Spain
Fernando Alba-Elías, Universidad de La Rioja, Spain
- Database Techniques for New Hardware 1947
Xiongpai Qin, Renmin University of China, China
Yueguo Chen, Renmin University of China, China
- Ensemble Clustering Data Mining and Databases..... 1962
Slawomir T. Wierzchon, Polish Academy of Sciences, Poland
- Graph-Based Concept Discovery..... 1974
Alev Mutlu, Kocaeli University, Turkey
Pinar Karagoz, Middle East Technical University, Turkey
Yusuf Kavurucu, Turkish Naval Research Center Command, Turkey
- Healthcare Data Analysis in the Internet of Things Era 1984
George Tzanis, Aristotle University of Thessaloniki, Greece
- N-Tuple Algebra as a Unifying System to Process Data and Knowledge..... 1995
Boris Alexandrovich Kulik, Institute of Problems in Mechanical Engineering RAS, Russia
Alexander Yakovlevich Fridman, Institute for Informatics and Mathematical Modelling, Kola Science Centre of RAS, Russia
- A Proposed Framework for Incorporating Big-Data Technology in National Crisis Management Center..... 2006
Magdy M. Kabeil, Al-Yamamah University, Saudi Arabia
Ahmad M. Kabil, University of Wisconsin – Whitewater, USA
- Quality Evaluation for Evolving Conceptual Database Design 2020
Elvira Immacolata Locuratolo, CNR ISTI, Italy

Query Languages for Graph Databases	2031
<i>Kornelije Rabuzin, University of Zagreb, Croatia</i>	
Schema Evolution in Conventional and Emerging Databases	2043
<i>Zouhaier Brahmia, University of Sfax, Tunisia</i>	
<i>Fabio Grandi, University of Bologna, Italy</i>	
<i>Barbara Oliboni, University of Verona, Italy</i>	
<i>Rafik Bouaziz, University of Sfax, Tunisia</i>	
Schema Versioning in Conventional and Emerging Databases	2054
<i>Zouhaier Brahmia, University of Sfax, Tunisia</i>	
<i>Fabio Grandi, University of Bologna, Italy</i>	
<i>Barbara Oliboni, University of Verona, Italy</i>	
<i>Rafik Bouaziz, University of Sfax, Tunisia</i>	
Twitter Data Mining for Situational Awareness.....	2064
<i>Marco Vernier, University of Udine, Italy</i>	
<i>Manuela Farinosi, University of Udine, Italy</i>	
<i>Gian Luca Foresti, University of Udine, Italy</i>	

Category: Decision Support Systems

Cognitive Process Elements of People Decision-Making.....	2076
<i>Thais Spiegel, Rio de Janeiro State University, Brazil</i>	
Comprehensible Explanation of Predictive Models.....	2085
<i>Marko Robnik-Šikonja, University of Ljubljana, Slovenia</i>	
The Concept of the Shapley Value and the Cost Allocation Between Cooperating Participants	2095
<i>Alexander Kolker, GE Healthcare, USA</i>	
Decision Filed Theory	2108
<i>Lan Shao, University of Oulu, Finland</i>	
<i>Jouni Markkula, University of Oulu, Finland</i>	
Effectively Communicating With Group Decision Support Systems Using Information Theory....	2121
<i>Jamie S. Switzer, Colorado State University, USA</i>	
<i>Ralph V. Switzer, Colorado State University, USA</i>	
Evolutionary Algorithms for Global Decision Tree Induction	2132
<i>Marek Kretowski, Bialystok University of Technology, Poland</i>	
<i>Marcin Czajkowski, Bialystok University of Technology, Poland</i>	
A Family Review of Parameter-Learning Models and Algorithms for Making Actionable Decisions.....	2142
<i>Chun-Kit Ngan, The Pennsylvania State University, USA</i>	

Informed Decision Making With Enterprise Dynamic Systems Control	2154
<i>Sérgio Luís Guerreiro, Instituto Superior Técnico, University of Lisbon, Portugal & INESC-ID, Portugal</i>	
Managerial Tools and Techniques for Decision Making	2166
<i>Davood Askarany, University of Auckland, New Zealand</i>	
A Nature-Inspired Metaheuristic Approach for Generating Alternatives	2178
<i>Julian Scott Yeomans, York University, Canada</i>	
Preferences, Utility, and Stochastic Approximation	2188
<i>Yuri P. Pavlov, Bulgarian Academy of Sciences, Institute of Information and Communication Technologies, Bulgaria</i>	
<i>Rumen D. Andreev, Bulgarian Academy of Sciences, Institute of Information and Communication Technologies, Bulgaria</i>	
Rough-Set-Based Decision Model for Incomplete Information Systems	2200
<i>SafİYE Turgay, Sakarya University, Turkey</i>	
<i>Orhan Torkul, Sakarya University, Turkey</i>	
<i>Tahsin Turgay, Sakarya University, Turkey</i>	
Using Receiver Operating Characteristic (ROC) Analysis to Evaluate Information -Based Decision-Making.....	2213
<i>Nan Hu, University of Utah, USA</i>	

Category: Digital Literacy

Digital Literacy	2225
<i>Anirban Ray, UNC Wilmington, USA</i>	
Digital Literacy for the 21st Century	2235
<i>Hiller A. Spires, North Carolina State University, USA</i>	
<i>Casey Medlock Paul, North Carolina State University, USA</i>	
<i>Shea N. Kerkhoff, North Carolina State University, USA</i>	
Digital Literacy in Theory and Practice.....	2243
<i>Heidi Julien, State University of New York at Buffalo, USA</i>	
Encouraging Digital Literacy and ICT Competency in the Information Age.....	2253
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Information Needs of Users in the Tech Savvy Environment and the Influencing Factors	2264
<i>Mudasir Khazer Rather, University of Kashmir, India</i>	
<i>Shabir Ahmad Ganaie, University of Kashmir, India</i>	

A Maturity Model for Digital Literacies and Sustainable Development	2280
<i>Ravi S. Sharma, Nanyang Technological University, Singapore</i>	
<i>Lin G. Malone, Nanyang Technological University, Singapore</i>	
<i>Chong Guan, SIM University, Singapore</i>	
<i>Ambica Dattakumar, Nanyang Technological University, Singapore</i>	
Teaching Media and Information Literacy in the 21st Century	2292
<i>Sarah Gretter, Michigan State University, USA</i>	
<i>Aman Yadav, Michigan State University, USA</i>	
Nigerian Undergraduate Students' Computer Competencies and Use of Information Technology Tools and Resources for Study Skills and Habits' Enhancement	2303
<i>Adekunle Olusola Otunla, University of Ibadan, Nigeria</i>	
<i>Caleb Okoro Amuda, University of Ibadan, Nigeria</i>	
The Roles of Digital Literacy in Social Life of Youth.....	2314
<i>Dragana Martinovic, University of Windsor, Canada</i>	
<i>Viktor Freiman, Université de Moncton, Canada</i>	
<i>Chrispina S. Lekule, St. Augustine University of Tanzania, Tanzania</i>	
<i>Yuqi Yang, University of Windsor, Canada</i>	
Toward a Working Definition of Digital Literacy.....	2326
<i>Margaret-Mary Sulentic Dowell, Louisiana State University, USA</i>	

Category: Economics

ICT Investments and Recovery of Troubled Economies	2337
<i>Ioannis Papadopoulos, Metropolitan College Thessaloniki, Greece</i>	
<i>Apostolos Syropoulos, Greek Molecular Computing Group, Greece</i>	
Uberization (or Uberification) of the Economy	2345
<i>Nabyla Daidj, Telecom Ecole de Management, France</i>	

Category: Educational Technologies

Adaptive Hypermedia in Education.....	2357
<i>Vehbi Turel, The University of Bingol, Turkey</i>	
Automatic Item Generation.....	2369
<i>Mark Gierl, University of Alberta, Canada</i>	
<i>Hollis Lai, University of Alberta, Canada</i>	
<i>Xinxin Zhang, University of Alberta, Canada</i>	
Challenges in Developing Adaptive Educational Hypermedia Systems	2380
<i>Eileen O'Donnell, Trinity College Dublin, Ireland</i>	
<i>Liam O'Donnell, Dublin Institute of Technology, Ireland</i>	

Computational Thinking in Innovative Computational Environments and Coding	2392
<i>Alberto Ferrari, University of Parma, Italy</i>	
<i>Agostino Poggi, University of Parma, Italy</i>	
<i>Michele Tomaiuolo, University of Parma., Italy</i>	
Computer Agent Technologies in Collaborative Learning and Assessment.....	2402
<i>Yigal Rosen, Harvard University, USA</i>	
Cost-Effective 3D Stereo Visualization for Creative Learning.....	2411
<i>R. S. Kamath, Chatrapati Shahu Institute of Business Education and Research, India</i>	
<i>R. K. Kamat, Shivaji University, India</i>	
Volume IV	
(ED - F)	
Could Educational Technology Replace Traditional Schools in the Future?	2421
<i>John K. Hope, University of Auckland, New Zealand</i>	
Development of Communication Skills through Auditory Training Software in Special Education	2431
<i>Eduardo C. Contreras, Autonomous University of Coahuila, Mexico</i>	
<i>Isis I. Contreras, Saltillo Institute of Technology, Mexico</i>	
Digital Storytelling in Language Classes.....	2442
<i>Mehrak Rahimi, Shahid Rajaee Teacher Training University, Iran</i>	
Distance Teaching and Learning Platforms	2455
<i>Linda D. Grooms, Regent University, USA</i>	
Do Usability Design Features of a Mobile Game Influence Learning?.....	2466
<i>Rex Perez Bringula, University of the East, Philippines</i>	
<i>Edison Cabrera, University of the East, Philippines</i>	
<i>Princess B. Calmerin, University of the East, Philippines</i>	
<i>Eduardo A. Lao, University of the East, Philippines</i>	
<i>Christian Gerard Sembrano, University of the East, Philippines</i>	
<i>Angelita D. Guia, University of the East, Philippines</i>	
<i>Joan P. Lazaro, University of the East, Philippines</i>	
<i>Alexis John M. Rubio, University of the East, Philippines</i>	
<i>Annaliza E. Catacutan, National University, Philippines</i>	
<i>Marilou N. Jamis, National University, Philippines</i>	
<i>Lalaine P. Abad, Department of Education, Philippines</i>	
Educational Technology and Intellectual Property	2477
<i>Lesley S. J. Farmer, California State University – Long Beach, USA</i>	

Employing Educational Robotics for the Development of Problem-Based Learning Skills	2492
<i>Nikleia Eteokleous, Frederick University Cyprus, Cyprus</i>	
From Digital Exclusion to Digital Inclusion for Adult Online Learners	2503
<i>Virginia E. Garland, University of New Hampshire, USA</i>	
From Digital Natives to Student Experiences With Technology	2512
<i>Sue Bennett, University of Wollongong, Australia</i>	
<i>Linda Corrin, University of Melbourne, Australia</i>	
ICT Eases Inclusion in Education.....	2521
<i>Dražena Gašpar, University of Mostar, Bosnia and Herzegovina</i>	
The Infusion of Technology Within the Classroom Facilitates Students' Autonomy in Their Learning	2532
<i>Fariel Mohan, University of Trinidad and Tobago, Trinidad and Tobago</i>	
<i>Garry Soomarah, University of Trinidad and Tobago, Trinidad and Tobago</i>	
Integrated Paper-Based and Digital Learning Material for Smart Learners.....	2545
<i>Sabrina Leone, Università Politecnica delle Marche, Italy</i>	
Leveraging Technology-Enhanced Teaching and Learning for Future IS Security Professionals....	2558
<i>Ciara Heavin, University College Cork, Ireland</i>	
<i>Karen Neville, University College Cork, Ireland</i>	
<i>Sheila O'Riordan, University College Cork, Ireland</i>	
Liberating Educational Technology Through the Socratic Method.....	2571
<i>Frank G. Giuseffi, Lindenwood University, USA</i>	
Online Academia	2580
<i>Magdalena Bielenia-Grajewska, University of Gdańsk, Poland</i>	
Online Learning Propelled by Constructivism	2588
<i>Kathaleen Reid-Martinez, Oral Roberts University, USA</i>	
<i>Linda D. Grooms, Regent University, USA</i>	
Science Animation and Students' Attitudes.....	2599
<i>Sivasankar Arumugam, Sri Venkateswara College of Education, India</i>	
<i>Nancy Nirmala, Christ the King Matric Higher Secondary School, India</i>	
Three Cases of Unconventional Educational Uses of Digital Storytelling	2616
<i>Emmanuel Fokides, University of the Aegean, Greece</i>	
3D Printing Applications in STEM Education	2626
<i>Norman Gwangwava, Botswana International University of Science and Technology, Botswana</i>	
<i>Catherine Hlahla, National University of Science and Technology, Zimbabwe</i>	

Tools, Pedagogical Models, and Best Practices for Digital Storytelling 2641
Jari Multisilta, Tampere University of Technology, Finland
Hannele Niemi, University of Helsinki, Finland

The Use of Postcasting/Vodcasting in Education 2651
Athanasios T. Stavrianos, 2nd Technical Vocational School of Xanthi, Greece
Apostolos Syropoulos, Greek Molecular Computing Group, Greece

The Vital Importance of Faculty Presence in an Online Learning Environment 2661
Ni Chang, Indiana University – South Bend, USA

Category: Electrical Engineering

Mechanisms of Electrical Conductivity in Carbon Nanotubes and Graphene..... 2673
Rafael Vargas-Bernal, Instituto Tecnológico Superior de Irapuato, Mexico

Category: Electronic Business

E-Business and Big Data Strategy in Franchising 2686
Ye-Sho Chen, Louisiana State University, USA

Facilitating Interaction Between Virtual Agents Through Negotiation Over Ontological Representation..... 2697
Fiona McNeill, Heriot-Watt University, UK

On-Line Credit and Debit Card Processing and Fraud Prevention for E-Business 2707
James Williams, University of Pittsburgh, USA

Category: Electronic Commerce

Adoption and Use of Mobile Money Services in Nigeria..... 2724
Olayinka David-West, Pan-Atlantic University, Nigeria
Immanuel Ovemeso Umukoro, Pan-Atlantic University, Nigeria
Omotayo Muritala, Pan-Atlantic University, Nigeria

E-Commerce Models, Players, and Its Future 2739
Liguo Yu, Indiana University – South Bend, USA

Electronic Payment Frameworks 2749
Antonio Ruiz-Martínez, University of Murcia, Spain
Oussama Tounekti, University of Murcia, Spain
Antonio F. Skarmeta, University of Murcia, Spain

Factors Determining E-Shopping Compliance by Nigerians..... 2761
Adamkolo Mohammed Mohammed Ibrahim, University of Maiduguri, Nigeria
Md. Salleh Hj. Hassan, Universiti Putra Malaysia, Malaysia
Sarina Yusuf, Universiti Putra Malaysia, Malaysia

Enterprise Interoperability	2773
<i>Ejub Kajan, State University of Novi Pazar, Serbia</i>	
Has Bitcoin Achieved the Characteristics of Money?	2784
<i>Donovan Peter Chan Wai Loon, University of Malaya, Malaysia</i>	
<i>Sameer Kumar, University of Malaya, Malaysia</i>	
The Importance of Electronic Commerce in Modern Business.....	2791
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Improving Competencies for the Courier Service Industry in Malaysia	2802
<i>Hoo Yee Hui, Universiti Tunku Abdul Rahman, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
New Advances in E-Commerce	2810
<i>Khaled Ahmed Nagaty, The British University in Egypt, Egypt</i>	
Online Mediation in E-Commerce Matters.....	2825
<i>Ángela Coello Pulido, University of Vigo, Spain</i>	
Reputational Mechanisms in Consumer-to-Consumer Online Commerce.....	2833
<i>Mikhail I. Melnik, Kennesaw State University, USA</i>	
Retail Prices and E-Commerce	2841
<i>Jihui Chen, Illinois State University, USA</i>	
Social Commerce Using Social Network and E-Commerce.....	2851
<i>Roberto Marmo, University of Pavia, Italy</i>	
An Update on Bitcoin as a Digital Currency	2861
<i>Cecilia G. Manrique, University of Wisconsin – La Crosse, USA</i>	
<i>Gabriel G. Manrique, Winona State University, USA</i>	
Use of Bitcoin for Internet Trade	2869
<i>Sadia Khalil, NUST School of Electrical Engineering and Computer Science, Pakistan</i>	
<i>Rahat Masood, NUST School of Electrical Engineering and Computer Science, Pakistan</i>	
<i>Muhammad Awais Shibli, VisionIT, USA</i>	

Category: Electronic Services

Determining Impact of Demographics on Perceived Service Quality in Online Retail	2882
<i>Prateek Kalia, I. K. Gujral Punjab Technical University, India</i>	
<i>Penny Law, Regenesys Business School, South Africa</i>	
<i>Richa Arora, Regenesys Institute of Management, India</i>	

The Impact of Carbon Nanotubes and Graphene on Electronics Industry	2897
<i>Rafael Vargas-Bernal, Instituto Tecnológico Superior de Irapuato, Mexico</i>	
<i>Gabriel Herrera-Pérez, Instituto Tecnológico Superior de Irapuato, Mexico</i>	
<i>Margarita Tecpoyotl-Torres, Universidad Autónoma del Estado de Morelos, Mexico</i>	
Integrating Content Authentication Support in Media Services.....	2908
<i>Anastasia N. Katsaounidou, Aristotle University of Thessaloniki, Greece</i>	
<i>Charalampos A. Dimoulas, Aristotle University of Thessaloniki, Greece</i>	
IT Service Management Architectures	2920
<i>Torben Tambo, Aarhus University, Denmark</i>	
<i>Jacob Filtenborg, Aarhus University, Denmark</i>	

Category: Enterprise Resource Planning

Business Intelligence Impacts on Design of Enterprise Systems	2932
<i>Saeed Rouhani, University of Tehran, Iran</i>	
<i>Dusanka Milorad Lecic, Levi9 Global Sourcing Balkan, Serbia</i>	
Deployment of Enterprise Architecture From the Activity Theory Perspective	2943
<i>Tiko Iyamu, Cape Peninsula University of Technology, South Africa</i>	
<i>Irja Naambo Shaanika, Namibia University of Science and Technology – Windhoek, Namibia</i>	
ERP Systems Benefit Realization and the Role of ERP-Enabled Application Integration.....	2953
<i>Joseph K. Nwankpa, Miami University, USA</i>	
From On-Premise ERP to Cloud ERP	2965
<i>Karim Mezghani, Al Imam Mohammad Ibn Saud Islamic University (IMSIU), Saudi Arabia</i>	
<i>& University of Sfax, Tunisia</i>	
Socio-Technical Change Perspective for ERP Implementation in Large Scale Organizations	2975
<i>Jessy Nair, PES University, India</i>	
<i>D. Bhanusree Reddy, VIT University, India</i>	
<i>Anand A. Samuel, VIT University, India</i>	

Category: Entrepreneurship

Current Scenario of Youth Entrepreneurship in India	2989
<i>Neeta Baporikar, Namibia University of Science and Technology, Namibia & University of Pune, India</i>	
Entrepreneurship	2998
<i>Mehmet Eymen Eryilmaz, Uludağ University, Turkey</i>	

Entrepreneurship as the Vantage Point	3009
<i>Madhu Kishore Raghunath Raghunath Kamakula, GVP College of Engineering (Autonomous), India</i>	
<i>Chandra Sekhar Patro, GVP College of Engineering (Autonomous), India</i>	
Entrepreneurship Concept, Theories, and New Approaches	3020
<i>José Manuel Saiz-Alvarez, Tecnologico de Monterrey, Mexico</i>	
<i>Martín García-Vaquero, Nebrija University, Spain</i>	
Open Data and High-Tech Startups Towards Nascent Entrepreneurship Strategies.....	3032
<i>Fotis Kitsios, University of Macedonia, Greece</i>	
<i>Maria Kamariotou, University of Macedonia, Greece</i>	

Category: Environmental Science and Agriculture

Carbon Capture From Natural Gas via Polymeric Membranes	3043
<i>Nayef Mohamed Ghasem, UAE University, UAE</i>	
<i>Nihmiya Abdul Rahim, UAE University, UAE</i>	
<i>Mohamed Al-Marzouqi, UAE University, UAE</i>	
Enhancing the Resiliency of Smart Grid Monitoring and Control	3056
<i>Wenbing Zhao, Cleveland State University, USA</i>	
E-Waste, Chemical Toxicity, and Legislation in India.....	3066
<i>Prashant Mehta, National Law University Jodhpur, India</i>	
Green IT and the Struggle for a Widespread Adoption	3077
<i>Edward T. Chen, University of Massachusetts – Lowell, USA</i>	
Identification of Green Procurement Drivers and Their Interrelationship Using Fuzzy TISM and MICMAC Analysis	3086
<i>Surajit Bag, Tega Industries South Africa Pty Ltd., South Africa</i>	
Load Flow Analysis in Smart Grids.....	3103
<i>Osman Hasan, National University of Sciences and Technology, Pakistan</i>	
<i>Awais Mahmood, National University of Sciences and Technology, Pakistan</i>	
<i>Syed Rafay Hasan, Tennessee Technological University, USA</i>	
Methodology of Climate Change Impact Assessment on Forests	3114
<i>Mostafa Jafari, Regional Institute of Forest and Rangelands (RIFR), Iran</i>	
Model for Assessment of Environmental Responsibility in Health Care Organizations.....	3131
<i>María Carmen Carnero, University of Castilla-La Mancha, Spain & University of Lisbon, Portugal</i>	

Potential Benefits and Current Limits in the Development of Demand Response 3144
Clementina Bruno, University of Piemonte Orientale, Italy

Waste Gas End-of-Pipe Treatment Techniques in Italian IPPC Chemical Plants..... 3156
Gaetano Battistella, ISPRA, Italy
Giuseppe Di Marco, ISPRA, Italy
Carlo Carlucci, ISPRA, Italy
Raffaella Manuzzi, ISPRA, Italy
Federica Bonaiuti, ISPRA, Italy
Celine Ndong, ISPRA, Italy

Category: Ethics and Social Responsibility

The Foundation of (Business) Ethics' Evolution 3173
Ben Tran, Alliant International University, USA

Integrating Sustainability and CSR in the Value Chain of the Information Technology Sector 3183
Patricia Martínez García de Leaniz, University of Cantabria, Spain
María Elena García Ruiz, University of Cantabria, Spain

The Morality of Reporting Safety Concerns in Aviation..... 3194
Kawtar Tani, UCOL, New Zealand

Science, Ethics, and Weapons Research 3205
John Forge, Independent Researcher, Australia

Category: Fuzzy Logic and Soft Computing

Application of Fuzzy Numbers to Assessment Processes 3215
Michael Voskoglou, Graduate Technological Educational Institute (T.E.I.), Greece

Application of Soft Set in Game Theory 3226
B. K. Tripathy, VIT University, India
Sooraj T. R., VIT University, India
Radhakrishna N. Mohanty, VIT University, India

Volume V (G - HO)

Category: Gaming

Application of Gamification to Blended Learning in Higher Education 3238
Kamini Jaipal-Jamani, Brock University, Canada
Candace Figg, Brock University, Canada

Chemistry Learning Through Designing Digital Games.....	3248
<i>Kamisah Osman, The National University of Malaysia, Malaysia</i>	
<i>Ah-Nam Lay, Institute of Teacher Education – Sultan Abdul Halim, Malaysia</i>	
Clinical Use of Video Games.....	3260
<i>Ben Tran, Alliant International University, USA</i>	
Leveraging the Arduino Platform to Develop Information Technology Devices	3273
<i>Diego Reforgiato Recupero, University of Cagliari, Italy</i>	
<i>Valentino Artizzu, University of Cagliari, Italy</i>	
<i>Francesca Cella, University of Cagliari, Italy</i>	
<i>Alessandro Cotza, University of Cagliari, Italy</i>	
<i>Davide Curcio, University of Cagliari, Italy</i>	
<i>Giorgio Amedeo Iengo, University of Cagliari, Italy</i>	
<i>Riccardo Macis, University of Cagliari, Italy</i>	
<i>Andrea Marras, University of Cagliari, Italy</i>	
<i>Simone Picci, University of Cagliari, Italy</i>	
<i>Michael Planu, University of Cagliari, Italy</i>	
<i>Riccardo Scassedu, University of Cagliari, Italy</i>	
Educational Serious Games Design.....	3287
<i>Ilias Karasavvidis, University of Thessaly, Greece</i>	
Exposure to Video Games and Decision Making	3296
<i>Giuseppe Curcio, University of L'Aquila, Italy</i>	
<i>Sara Peracchia, University of L'Aquila, Italy</i>	
Learning With Games and Digital Stories in Visual Programming	3309
<i>Wilfred W. F. Lau, The Chinese University of Hong Kong, China</i>	
The Process Model of Gameplay to Understand Digital Gaming Outcomes	3317
<i>Linda K. Kaye, Edge Hill University, UK</i>	
Serious Games Advancing the Technology of Engaging Information	3327
<i>Peter A. Smith, University of Central Florida, USA</i>	
<i>Clint Bowers, University of Central Florida, USA</i>	
Towards Modelling Effective Educational Games Using Multi-Domain Framework.....	3337
<i>Mifrah Ahmad, Universiti Teknologi PETRONAS, Malaysia</i>	
<i>Lukman Ab Rahim, Universiti Teknologi PETRONAS, Malaysia</i>	
<i>Kamisah Osman, Universiti Kebangsaan Malaysia, Malaysia</i>	
<i>Noreen Izza Arshad, Universiti Teknologi PETRONAS, Malaysia</i>	

Category: Gender and Diversity

Computing Technologies and Science Fiction Cinema	3349
<i>Rocío Carrasco-Carrasco, University of Huelva, Spain</i>	
Gender Differences in Advertising Engagement Using the Case of Facebooks Ads	3359
<i>Eva Lahuerta-Otero, University of Salamanca, Spain</i>	
<i>Rebeca Cordero-Gutiérrez, University of Salamanca, Spain</i>	
The Gender Dimension in Urban Air Quality.....	3371
<i>Theodora Slini, Aristotle University of Thessaloniki, Greece</i>	
<i>Fotini-Niovi Pavlidou, Aristotle University of Thessaloniki, Greece</i>	
How Exclusive Work Climates Create Barriers for Women in IS&T.....	3382
<i>Katelyn R. Reynoldson, Old Dominion University, USA</i>	
<i>Debra A. Major, Old Dominion University, USA</i>	
Women and IT in Lilongwe	3393
<i>Alice Violet Nyamundundu, Skyway University, Malawi</i>	

Category: Geographic Information Systems

Application of Geospatial Mashups in Web GIS for Tourism Development	3403
<i>Somnath Chaudhuri, Maldives National University, Maldives</i>	
<i>Nilanjan Ray, Adamas University, India</i>	
Archaeological GIS for Land Use in South Etruria Urban Revolution in IX-VIII Centuries B.C....	3419
<i>Giuliano Pelfer, University of Florence, Italy</i>	
Exploring Tourism Cluster in the Peripheral Mountain Area Based on GIS Mapping.....	3434
<i>Ya-Hui Hsueh, National Taichung University of Education, Taiwan</i>	
<i>Huey-Wen Chuang, National Taichung University of Education, Taiwan</i>	
<i>Wan-Chiang Hsieh, National Taichung Girls' Senior High School, Taiwan</i>	
Geographic Information System (GIS) Modeling Analysis and the Effects of Spatial Distribution and Environmental Factors on Breast Cancer Incidence	3448
<i>Akram Gasmelseed, University of Science and Technology, Sudan</i>	
<i>Ali H. Alharbi, Qassim University, Saudi Arabia</i>	
Geographic Information Systems.....	3460
<i>Paula Remoaldo, University of Minho, Portugal</i>	
<i>Vitor P. Ribeiro, University of Minho, Portugal</i>	
<i>Hélder Silva Lopes, University of Minho, Portugal</i>	
<i>Sara Catarina Gomes Silva, University of Minho, Portugal</i>	

Geospatial Influence in Science Mapping.....	3473
<i>Carlos Granell-Canut, Universitat Jaume I of Castellón, Spain</i>	
<i>Estefanía Aguilar-Moreno, Universitat Jaume I of Castellón, Spain</i>	
Parallel Development of Three Major Space Technology Systems and Human Side of Information Reference Services as an Essential Complementary Method.....	3484
<i>Joyce Gosata Maphanyane, University of Botswana, Botswana</i>	
Use of GIS and Remote Sensing for Landslide Susceptibility Mapping	3503
<i>Arzu Erener, Kocaeli University, Turkey</i>	
<i>Gulcan Sarp, Suleyman Demirel University, Turkey</i>	
<i>Sebnem Duzgun, Middle East Technical University, Turkey</i>	

Category: Government and Law

Accessibility in E-Government.....	3516
<i>Christian Sonnenberg, Florida Institute of Technology, USA</i>	
The Adoption and Transformation of Capability Maturity Models in Government.....	3526
<i>Terry F. Buss, Carnegie Mellon University, Australia</i>	
Bridging Between Cyber Politics and Collective Dynamics of Social Movement.....	3538
<i>Kazuhiko Shibuya, ROIS, Japan</i>	
Community Broadband Networks and the Opportunity for E-Government Services	3549
<i>Idongesit Williams, Aalborg University, Denmark</i>	
Critical Success Factors in E-Democracy Implementation	3561
<i>Aderonke A. Oni, Covenant University, Nigeria</i>	
<i>Adekunle O. Okunoye, Xavier University, USA</i>	
E-Activism Development and Growth.....	3569
<i>John G. McNutt, University of Delaware, USA</i>	
<i>Lauri Goldkind, Fordham University, USA</i>	
E-Government Service Adoption and the Impact of Privacy and Trust	3579
<i>Mehree Iqbal, North South University, Bangladesh</i>	
<i>Nabila Nisha, North South University, Bangladesh</i>	
<i>Afrin Rifat, North South University, Bangladesh</i>	
Mastering Electronic Government in the Digital Age	3591
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	

A Model for Connected E-Government in the Digital Age	3602
<i>Qiuyan Fan, Western Sydney University, Australia</i>	
Presidential Elections Web 2.0	3612
<i>Ramona Sue McNeal, University of Northern Iowa, USA</i>	
<i>Lisa Dotterweich Bryan, Upper Iowa University, USA</i>	
Project Management in Government	3621
<i>Shauneen Furlong, University of Ottawa, Canada & John Moores Liverpool University, UK</i>	
Technology and Terror.....	3637
<i>Maximiliano Emanuel Korstanje, University of Palermo, Argentina</i>	
<i>Geoffrey Skoll, SUNY at Buffalo, USA</i>	
Users Behavioral Intention Towards eGovernment in an African Developing Country	3654
<i>Ayankunle A. Taiwo, Texas A&M University – Commerce, USA</i>	
Young People, Civic Participation, and the Internet.....	3667
<i>Fadi Hirzalla, Erasmus University Rotterdam, The Netherlands</i>	
<i>Shakuntala Banaji, LSE, UK</i>	

Category: Healthcare Administration

Electronic Health Record (EHR) Diffusion and an Examination of Physician Resistance	3678
<i>Kristen MacIver, Northern Michigan University, USA</i>	
<i>Madison N. Ngafeeson, Northern Michigan University, USA</i>	
Internet of Things Applications for Healthcare	3689
<i>Ljubica Diković, Business Technical College, Serbia</i>	
Maintenance Policies Optimization of Medical Equipment in a Health Care Organization	3698
<i>Juan Ignacio Roig, University of Castilla-La Mancha, Spain</i>	
<i>Andrés Gómez, University of Castilla-La Mancha, Spain</i>	
<i>Isabel Romero, University of Castilla-La Mancha, Spain</i>	
<i>María Carmen Carnero, University of Castilla-La Mancha, Spain & University of Lisbon, Portugal</i>	
The Optimal Workforce Staffing Solutions With Random Patient Demand in Healthcare Settings.....	3711
<i>Alexander Kolker, GE Healthcare, USA</i>	
Using Technology to Reduce a Healthcare Disparity	3725
<i>Nilmini Wickramasinghe, Epworth HealthCare, Australia & Deakin University, Australia</i>	

Category: Health Information Systems

Challenges and Implications of Health Literacy in Global Health Care	3734
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Cyber Behaviors in Seeking Health Information.....	3745
<i>Xiaojun (Jenny) Yuan, University of Albany, USA</i>	
<i>José A. Pino, Universidad de Chile, Chile</i>	
Information Systems and Technology Projects in Healthcare Organisations	3756
<i>Jorge Gomes, ISEG, Universidade de Lisboa, Portugal</i>	
<i>Mário José Batista Romão, ISEG, Universidade de Lisboa, Portugal</i>	
Peer-to-Peer Health-Related Online Support Groups	3767
<i>Neil S. Coulson, University of Nottingham, UK</i>	
Software Evaluation From the Perspective of Patients and Healthcare Professionals.....	3782
<i>Rui Pedro Charters Lopes Rijo, Polytechnic Institute of Leiria, Portugal</i>	
<i>Domingos Alves, University of São Paulo, Brazil</i>	
Technology Design and Routes for Tool Appropriation in Medical Practices	3794
<i>Manuel Santos-Trigo, Cinvestav-IPN, Mexico</i>	
<i>Ernesto Suaste, Cinvestav-IPN, Mexico</i>	
<i>Paola Figuerola, Cinvestav-IPN, Mexico</i>	
Trends in Health Care Information Technology and Informatics	3805
<i>T. Ray Ruffin, University of Phoenix, USA & Colorado Technical University, USA & Grand Canyon University, USA & Ashford University, USA, & North Carolina Wesleyan College, USA</i>	
<i>Donna Patterson Hawkins, University of Phoenix, USA</i>	
User Resistance to Health Information Technology	3816
<i>Madison N. Ngafeeson, Northern Michigan University, USA</i>	

Category: Higher Education

The Effect of Innovative Communication Technologies in Higher Education	3827
<i>Stavros Kiriakidis, University of Crete, Greece</i>	
<i>Efstathios Kefallonitis, State University of New York at Oswego, USA</i>	
<i>Androniki Kavoura, Technological Educational Institute of Athens, Greece</i>	
Experiences of Implementing a Large-Scale Blended, Flipped Learning Project.....	3839
<i>Hazel Owen, Ethos Consultancy NZ, New Zealand</i>	
<i>Nicola Dunham, Massey University, New Zealand</i>	

A Flipped Learning Approach to University EFL Courses	3850
<i>Yasuhige Ishikawa, Kyoto University of Foreign Studies, Japan</i>	
<i>Reiko Akahane-Yamada, Advanced Telecommunications Research Institute International (ATR), Japan</i>	
<i>Craig Smith, Kyoto University of Foreign Studies, Japan</i>	
<i>Masayuki Murakami, Kyoto University of Foreign Studies, Japan</i>	
<i>Mutsumi Kondo, Kyoto University of Foreign Studies, Japan</i>	
<i>Misato Kitamura, Advanced Telecommunications Research Institute International (ATR), Japan</i>	
<i>Yasushi Tsubota, Kyoto Institute of Technology, Japan</i>	
<i>Masatake Dantsuji, Kyoto University, Japan</i>	
A Framework for Profiling Prospective Students in Higher Education	3861
<i>Santhosh Kumar Lakkaraju, Dakota State University, USA</i>	
<i>Deb Tech, Dakota State University, USA</i>	
<i>Shuyuan Deng, Dakota State University, USA</i>	
Importance of Information Literacy	3870
<i>Lidia Sanchez-Ruiz, University of Cantabria, Spain</i>	
<i>Beatriz Blanco, University of Cantabria, Spain</i>	
An Integrated Electronic IQA System for HEI.....	3881
<i>Teay Shawyun, King Saud University, Saudi Arabia</i>	
International Students in Online Courses	3900
<i>María Ángeles Rodriguez Manzanares, Memorial University of Newfoundland, Canada</i>	
IT Solutions Supporting the Management of Higher Education Institutions in Poland	3910
<i>Elżbieta Janczyk-Strzała, Wroclaw School of Banking, Poland</i>	
Knowledge Networks in Higher Education.....	3922
<i>Filipa M. Ribeiro, University of Porto, Portugal</i>	
Quality Online Learning in Higher Education.....	3930
<i>Deborah G. Wooldridge, Bowling Green State University, USA</i>	
<i>Sandra Poirier, Middle Tennessee State University, USA</i>	
<i>Julia M. Matuga, Bowling Green State University, USA</i>	
A Study on Extensive Reading in Higher Education.....	3945
<i>Diana Presadă, Petroleum-Gas University of Ploiești, Romania</i>	
<i>Mihaela Badea, Petroleum-Gas University of Ploiești, Romania</i>	
Technology Policies and Practices in Higher Education	3954
<i>Kelly McKenna, Colorado State University, USA</i>	

The University-Industry Collaboration	3963
<i>Marcello Fernandes Chedid, University of Aveiro, Portugal</i>	
<i>Leonor Teixeira, University of Aveiro, Portugal</i>	

Using Communities of Inquiry Online to Perform Tasks of Higher Order Learning.....	3976
<i>Ramon Tirado-Morueta, University of Huelva, Spain</i>	
<i>Pablo Maraver-López, University of Huelva, Spain</i>	
<i>Ángel Hernando-Gómez, University of Huelva, Spain</i>	

Category: High Performance Computing

Cost Evaluation of Synchronization Algorithms for Multicore Architectures	3989
<i>Masoud Hemmatpour, Politecnico di Torino, Italy</i>	
<i>Renato Ferrero, Politecnico di Torino, Italy</i>	
<i>Filippo Gandino, Politecnico di Torino, Italy</i>	
<i>Bartolomeo Montruccchio, Politecnico di Torino, Italy</i>	
<i>Maurizio Rebaudengo, Politecnico di Torino, Italy</i>	

The Future of High-Performance Computing (HPC)	4004
<i>Herbert Cornelius, Intel Corporation EMEA, Germany</i>	

High-Performance Reconfigurable Computing	4018
<i>Mário Pereira Vestias, Instituto Politécnico de Lisboa, Portugal</i>	

Category: Hospitality, Travel, and Tourism Management

Augmented Reality for Tourist Destination Image Formation	4031
<i>Azizul Hassan, Cardiff Metropolitan University, UK</i>	

Volume VI (HO - IT)

Destination @-Branding of Ten European Capitals Through the Institutional Stems and Commercial Logos.....	4038
<i>Elena Bocci, Sapienza University of Rome, Italy</i>	
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
<i>Laura Dryjanska, Sapienza University of Rome, Italy</i>	

The Effect of Social Media Networking in the Travel Industry.....	4052
<i>Androniki Kavoura, Technological Educational Institute of Athens, Greece</i>	
<i>Efstathios Kefallonitis, State University of New York at Oswego, USA</i>	

Evaluative Dimensions of Urban Tourism in Capital Cities by First-Time Visitors	4064
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
<i>Laura Dryjanska, Sapienza University of Rome, Italy</i>	
<i>Elena Bocci, Sapienza University of Rome, Italy</i>	

Fifty Shades of Dark Stories	4077
<i>Lea Kuznik, University of Maribor, Slovenia</i>	
Social Media as a Channel of Constructive Dialogue for Tourism Businesses	4088
<i>Marios D. Sotiriadis, University of South Africa (UNISA), South Africa</i>	
Usability Evaluation of Tourism Icons in India.....	4099
<i>Rajshree Tushar Akolkar, Zeal College of Engineering and Research, India</i>	
<i>Ganesh D. Bhutkar, Vishwakarma Institute of Technology, India</i>	
Virtual Tourism and Its Potential for Tourism Development in Sub-Saharan Africa.....	4113
<i>Paul Ankomah, North Carolina A&T State University, USA</i>	
<i>Trent Larson, North Carolina A&T University, USA</i>	

Category: Human-Computer Interaction

Affect-Sensitive Computer Systems	4124
<i>Nik Thompson, Curtin University, Australia</i>	
<i>Tanya McGill, Murdoch University, Australia</i>	
<i>David Murray, Murdoch University, Australia</i>	
Computer-Assisted Indian Matrimonial Services	4136
<i>Robert Leslie Fisher, Independent Researcher, USA</i>	
Creative Collaborative Virtual Environments.....	4146
<i>Luís Eustáquio, Universidade do Porto, Portugal</i>	
<i>Catarina Carneiro de Sousa, Polytechnic Institute of Viseu, Portugal</i>	
Cyberbullying	4157
<i>Gilberto Marzano, Rezekne Academy of Technologies, Latvia</i>	
Defining and Conceptualizing Cyberbullying	4168
<i>Karin Spenser, Nottingham Trent University, UK</i>	
<i>Lucy R. Betts, Nottingham Trent University, UK</i>	
Developing Creativity and Learning Design by Information and Communication Technology (ICT) in Developing Contexts.....	4178
<i>Chunfang Zhou, Aalborg University, Denmark</i>	
<i>Aparna Purushothaman, Aalborg University, Denmark</i>	
Existential Aspects of the Development E-Culture	4189
<i>Liudmila Vladimirovna Baeva, Astrakhan State University, Russia</i>	
The Fundamentals of Human-Computer Interaction	4199
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	

Interface Trends in Human Interaction, the Internet of Things, and Big Data	4210
<i>William J. Gibbs, Duquesne University, USA</i>	
Internet Addiction in Context	4223
<i>Petra Vondrackova, Charles University in Prague, Czech Republic</i>	
<i>David Šmahel, Masaryk University – Brno, Czech Republic</i>	
Mediated Embodiment in New Communication Technologies	4234
<i>Laura Aymerich-Franch, CNRS-AIST JRL (Joint Robotics Laboratory), AIST, Japan</i>	
The Nature of Cyber Bullying Behaviours	4245
<i>Lucy R. Betts, Nottingham Trent University, UK</i>	
Screen Culture.....	4255
<i>Ana Melro, University of Aveiro, Portugal</i>	
<i>Lídia Oliveira, University of Aveiro, Portugal</i>	
Technology Assessment of Information and Communication Technologies	4267
<i>Armin Grunwald, Karlsruhe Institute of Technology, Germany</i>	
<i>Carsten Orwat, Karlsruhe Institute of Technology, Germany</i>	
Towards an Interdisciplinary Socio-Technical Definition of Virtual Communities	4278
<i>Umar Ruhi, University of Ottawa, Canada</i>	
The Trajectivity of Virtual Worlds.....	4296
<i>Christophe Duret, Université de Sherbrooke, Canada</i>	
Virtual Hoarding	4306
<i>Jo Ann Oravec, University of Wisconsin – Whitewater, USA</i>	
Category: Human Resources Management	
Cyberloafing and Constructive Recreation	4316
<i>Jo Ann Oravec, University of Wisconsin – Whitewater, USA</i>	
Influencing People and Technology Using Human Resource Development (HRD) Philosophy	4326
<i>Claretha Hughes, University of Arkansas, USA</i>	
<i>Matthew W. Gosney, University of Colorado – Health, USA</i>	
<i>Cynthia M. Sims, Clemson University, USA</i>	
Performance Appraisal.....	4337
<i>Chandra Sekhar Patro, Gayatri Vidya Parishad College of Engineering (Autonomous), India</i>	
Promoting Strategic Human Resource Management, Organizational Learning, and Knowledge Management in Modern Organizations.....	4347
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	

Technology, Learning Styles, Values, and Work Ethics of Millennials.....	4358
<i>Harish C. Chandan, Argosy University, USA</i>	

Category: Industrial Engineering and Informatics

Cuckoo Search Algorithm for Solving Real Industrial Multi-Objective Scheduling Problems	4369
<i>Mariappan Kadarkarainadar Marichelvam, Mepco Schlenk Engineering College, India</i>	
<i>Mariappan Geetha, Kamaraj College of Engineering and Technology, India</i>	

The Trends and Challenges of 3D Printing.....	4382
<i>Edna Ho Chu Fang, University of Malaya, Malaysia</i>	
<i>Sameer Kumar, University of Malaya, Malaysia</i>	

Category: Information Resources Management

Advanced Model of Complex Information System	4391
<i>Miroslav Svitek, Czech Technical University in Prague, Czech Republic</i>	

Computer Information Library Clusters	4399
<i>Fu Yuhua, CNOOC Research Institute, China</i>	

The Impact of the Impact of Meta-Data Mining From the SoReCom “A.S. de Rosa” @-Library...	4404
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
<i>Laura Dryjanska, Sapienza University of Rome, Italy</i>	
<i>Elena Bocci, Sapienza University of Rome, Italy</i>	

Information and Its Conceptual Perspectives.....	4422
<i>José Poças Rascão, Institute Polytechnic of Setúbal, Portugal</i>	

Open Data Repositories in Knowledge Society	4436
<i>Nadim Akhtar Khan, University of Kashmir, India</i>	
<i>Sara Sohrabzadeh, Tehran University of Medical Science, Iran</i>	
<i>Garvita Jhamb, University of Delhi, India</i>	

Quantum Information Science Vis-à-Vis Information Schools	4448
<i>P. K. Paul, Raiganj University, India</i>	
<i>D. Chatterjee, Seacom Skills University, India</i>	
<i>A. Bhuimali, Raiganj University, India</i>	

Towards a General Theory of Information	4459
<i>Laura L. Pană, Polytechnic University of Bucharest, Romania</i>	

Category: Information Retrieval

Analysis and Assessment of Cross-Language Question Answering Systems	4471
<i>Juncal Gutiérrez-Artacho, University of Granada, Spain</i>	
<i>María-Dolores Olvera-Lobo, University of Granada, Spain</i>	

Challenges in Collecting Qualitative Data for Information Systems Studies	4480
<i>Tiko Iyamu, Cape Peninsula University of Technology, South Africa</i>	
<i>Irja Naambo Shaanika, Namibia University of Science and Technology, Namibia</i>	
Cognitive and Psychological Factors in Cross-Language Information Retrieval	4490
<i>Rowena Li, Bayside High School Library, USA</i>	
A Fast and Space-Economical Algorithm for the Tree Inclusion Problem	4502
<i>Yangjun Chen, University of Winnipeg, Canada</i>	
<i>Yibin Chen, University of Winnipeg, Canada</i>	
Information Seeking Models in the Digital Age.....	4515
<i>Mudasir Khazer Rather, University of Kashmir, India</i>	
<i>Shabir Ahmad Ganaie, University of Kashmir, India</i>	
An Insight Into Deep Learning Architectures.....	4528
<i>Nishu Garg, VIT University, India</i>	
<i>Nikhitha P, VIT University, India</i>	
<i>B. K. Tripathy, VIT University, India</i>	
Online Information Retrieval Systems Trending From Evolutionary to Revolutionary Approach.....	4535
<i>Zahid Ashraf Wani, University of Kashmir, India</i>	
<i>Huma Shafiq, University of Kashmir, India</i>	

Category: IT Research and Theory

Adaptive Networks for On-Chip Communication	4549
<i>Mário Pereira Vestias, Instituto Politécnico de Lisboa, Portugal</i>	
Business Model Innovation-Oriented Technology Management for Emergent Technologies	4560
<i>Sven Seidenstricker, Fraunhofer Institute for Industrial Engineering, Germany</i>	
<i>Ardilio Antonino, Fraunhofer Institute for Industrial Engineering, Germany</i>	
Cognitive Mapping in Support of Intelligent Information Systems	4570
<i>Akbar Esfahanipour, Amirkabir University of Technology, Iran</i>	
<i>Ali Reza Montazemi, McMaster University, Canada</i>	
Computer-Assisted Parallel Program Generation	4583
<i>Shigeo Kawata, Utsunomiya University, Japan</i>	
Constrained Nonlinear Optimization in Information Science.....	4594
<i>William P. Fox, Naval Postgraduate School, USA</i>	
Decimal Hardware Multiplier	4607
<i>Mário Pereira Vestias, INESC-ID/ISEL/IPL, Portugal</i>	

Digital Divide	4619
<i>Patrick Flanagan, St. John's University, USA</i>	
Eight Tips for the Theme, “Data and Forecasts”	4629
<i>Alessio Drivet, GeoGebra Institute of Torino, Italy</i>	
Exploring New Handwriting Parameters for Writer Identification.....	4643
<i>Verónica Inés Aubin, Universidad Nacional de La Matanza, Argentina</i>	
<i>Jorge Horacio Doorn, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza, Argentina</i>	
Haptics-Based Systems Characteristics, Classification, and Applications	4652
<i>Abeer Bayousuf, King Saud University, Saudi Arabia</i>	
<i>Hend S. Al-Khalifa, King Saud University, Saudi Arabia</i>	
<i>Abdulmalik Al-Salman, King Saud University, Saudi Arabia</i>	
The Holon/Parton Structure of the Meme, or The Unit of Culture.....	4666
<i>J. T. Velikovsky, University of Newcastle, Australia</i>	
ICT Standardization.....	4679
<i>Kai Jakobs, RWTH Aachen University, Germany</i>	
Immersing People in Scientific Knowledge and Technological Innovation Through Disney’s Use of Installation Art.....	4692
<i>Jonathan Lillie, Loyola University Maryland, USA</i>	
<i>Michelle Jones-Lillie, Lillie Pad Studios, USA</i>	
Indicators of Information and Communication Technology.....	4704
<i>Gulnara Abdrikhanova, National Research University Higher School of Economics, Russia</i>	
<i>Leonid Gokhberg, National Research University Higher School of Economics, Russia</i>	
<i>Alexander Sokolov, National Research University Higher School of Economics, Russia</i>	
Information Technologies and Social Change	4715
<i>Muhammet Ali Köroğlu, Uşak University, Turkey</i>	
<i>Cemile Zehra Köroğlu, Uşak University, Turkey</i>	
iSchools Promoting “Information Science and Technology” (IST) Domain Towards Community, Business, and Society With Contemporary Worldwide Trend and Emerging Potentialities in India	4723
<i>P. K. Paul, Raiganj University, India</i>	
<i>D. Chatterjee, Seacom Skills University, India</i>	
Logic Programming for Intelligent Systems	4736
<i>James D. Jones, Liberty University, USA</i>	

Methods for Improving Alias Rejections in Comb Filters	4746
<i>Gordana Jovanovic Dolecek, Institute INAOE Puebla, Mexico</i>	
A Paradoxical World and the Role of Technology in Thana-Capitalism.....	4761
<i>Maximiliano Emanuel Korstanje, University of Palermo, Argentina</i>	
Performance Measurement of Technology Ventures by Science and Technology Institutions	4774
<i>Artie W. Ng, The Hong Kong Polytechnic University, Hong Kong</i>	
<i>Benny C. F. Cheung, The Hong Kong Polytechnic University, Hong Kong</i>	
<i>Peggy M. L. Ng, The Hong Kong Polytechnic University, Hong Kong</i>	
The Skills of European ICT Specialists	4785
<i>Francesca Sgobbi, University of Brescia, Italy</i>	
A Trust Case-Based Model Applied to Agents Collaboration.....	4797
<i>Felipe Boff, Lutheran University of Brazil (ULBRA), Brazil</i>	
<i>Fabiana Lorenzi, Lutheran University of Brazil (ULBRA), Brazil</i>	
Understanding and Assessing Quality of Models and Modeling Languages	4810
<i>John Krogstie, Norwegian University of Science and Technology, Norway</i>	
Utilizing Information Science and Technology in Franchise Organizations	4822
<i>Ye-Sho Chen, Louisiana State University, USA</i>	

Category: IT Security and Ethics

Computer Fraud Challenges and Its Legal Implications.....	4837
<i>Amber A. Smith-Ditizio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	

Volume VII (IT - MA)

Cost Estimation and Security Investment of Security Projects.....	4849
<i>Yosra Miaoui, University of Carthage, Tunisia</i>	
<i>Boutheina Fessi, University of Carthage, Tunisia</i>	
<i>Noureddine Boudriga, University of Carthage, Tunisia</i>	
Development of Personal Information Privacy Concerns Evaluation	4862
<i>Anna Rohunen, University of Oulu, Finland</i>	
<i>Jouni Markkula, University of Oulu, Finland</i>	
Digital Video Watermarking Using Diverse Watermarking Schemes.....	4872
<i>Yash Gupta, Maulana Abul Kalam Azad University of Technology, India</i>	
<i>Shaila Agrawal, Maulana Abul Kalam Azad University of Technology, India</i>	
<i>Susmit Sengupta, Maulana Abul Kalam Azad University of Technology, India</i>	
<i>Aruna Chakraborty, Maulana Abul Kalam Azad University of Technology, India</i>	

Ethical Computing Continues From Problem to Solution	4884
<i>Wanbil William Lee, The Computer Ethics Society, Hong Kong & Wanbil & Associates, Hong Kong</i>	
Group Signature System Using Multivariate Asymmetric Cryptography	4898
<i>Sattar J. Aboud, University of Bedfordshire, UK</i>	
Hexa-Dimension Code of Practice for Data Privacy Protection.....	4909
<i>Wanbil William Lee, Wanbil & Associates, Hong Kong</i>	
Information and Communication Technology Ethics and Social Responsibility	4920
<i>Tomas Cahlik, Charles University Prague, Czech Republic & University of Economics Prague, Czech Republic</i>	
Intrusion Tolerance Techniques	4927
<i>Wenbing Zhao, Cleveland State University, USA</i>	
New Perspectives of Pattern Recognition for Automatic Credit Card Fraud Detection	4937
<i>Addisson Salazar, Universitat Politècnica de València, Spain</i>	
<i>Gonzalo Safont, Universitat Politècnica de València, Spain</i>	
<i>Alberto Rodriguez, Universidad Miguel Hernández de Elche, Spain</i>	
<i>Luis Vergara, Universitat Politècnica de València, Spain</i>	
Privacy, Algorithmic Discrimination, and the Internet of Things	4951
<i>Jenifer Sunrise Winter, University of Hawaii at Manoa, USA</i>	
The Protection Policy for Youth Online in Japan	4962
<i>Nagayuki Saito, Ochanomizu University, Japan</i>	
<i>Madoka Aragaki, Business Breakthrough University, Japan</i>	
Security of Identity-Based Encryption Algorithms	4975
<i>Kannan Balasubramanian, Mepco Schlenk Engineering College, India</i>	
<i>M. Rajakani, Mepco Schlenk Engineering College, India</i>	
Steganography Using Biometrics.....	4985
<i>Manashee Kalita, NERIST, India</i>	
<i>Swanirbhar Majumder, NERIST, India</i>	
Usable Security	5004
<i>Andrea Atzeni, Politecnico di Torino, Italy</i>	
<i>Shamal Faily, Bournemouth University, UK</i>	
<i>Ruggero Galloni, Square Reply S.r.l., Italy</i>	

Category: Knowledge Management

Boosting the Social Development of the Majority Through the Creation of a Wireless Knowledge Society.....	5015
<i>Danilo Piaggesi, Framericas, USA</i>	

Communities of Practice as a Source of Open Innovation	5027
<i>Diane-Gabrielle Tremblay, University of Quebec, Canada</i>	
Indigenous Knowledge Systems	5036
<i>Osarumwense Igusisi, University of Benin, Nigeria</i>	
<i>Osaro Rawlings Igbinomwanhia, University of Benin, Nigeria</i>	
Integrating Knowledge Management and Business Processes	5046
<i>John Steven Edwards, Aston University, UK</i>	
Intellectual Capital Measurement	5056
<i>Lukasz Bryl, Poznan University of Economics and Business, Poland</i>	
Knowledge Acquisition on Dante Alighieri's Works.....	5067
<i>Elvira Immacolata Locuratolo, ISTI-CNR, Italy</i>	
<i>Valentina Bartalesi Lenzi, ISTI-CNR, Italy</i>	
Knowledge Management for Development (KM4D).....	5077
<i>Alexander G. Flor, University of the Philippines, Philippines</i>	
Knowledge Management From the Metaphorical Perspective	5085
<i>Magdalena Bielenia-Grajewska, University of Gdansk, Poland</i>	
Theory and Practice of Online Knowledge Sharing	5093
<i>Will W. K. Ma, Hong Kong Shue Yan University, Hong Kong</i>	
Visualization as a Knowledge Transfer.....	5103
<i>Anna Ursyn, University of Northern Colorado, USA</i>	

Category: Language Studies

Mobile Testing System for Developing Language Skills.....	5116
<i>Svetlana Titova, Far Eastern Federal University, Russia</i>	
Nominalizations in Requirements Engineering Natural Language Models.....	5127
<i>Claudia S. Litvak, Universidad Nacional de La Matanza, Argentina & Universidad Nacional del Oeste, Argentina</i>	
<i>Graciela Dora Susana Hadad, Universidad Nacional del Oeste, Argentina</i>	
<i>Jorge Horacio Doorn, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza, Argentina</i>	
Word Formation Study in Developing Naming Guidelines in the Translation of English Medical Terms Into Persian	5136
<i>Ali Akbar Zeinali, Universiti Sains Malaysia, Malaysia</i>	

Category: Learning Assessment and Measurement

Implicit Cognitive Vulnerability	5149
<i>Caroline M. Crawford, University of Houston – Clear Lake, US</i>	
Learning Analytics.....	5158
<i>Constanța-Nicoleta Bodea, Bucharest University of Economic Studies, Romania</i>	
<i>Maria-Iuliana Dascalu, University Politehnica of Bucharest, Romania</i>	
<i>Radu Ioan Mogos, Bucharest University of Economic Studies, Romania</i>	
<i>Stelian Stancu, Bucharest University of Economic Studies, Romania</i>	
Predicting Students Grades Using Artificial Neural Networks and Support Vector Machine.....	5169
<i>Sajid Umair, National University of Sciences and Technology (NUST), Pakistan</i>	
<i>Muhammad Majid Sharif, National University of Sciences and Technology (NUST), Pakistan</i>	
The Relationship Between Online Formative Assessment and State Test Scores Using Multilevel Modeling	5183
<i>Aryn C. Karpinski, Kent State University, USA</i>	
<i>Jerome V. D'Agostino, The Ohio State University, USA</i>	
<i>Anne-Evan K. Williams, Billings Middle School, USA</i>	
<i>Sue Ann Highland, Grand Canyon University, USA</i>	
<i>Jennifer A. Mellott, Kent State University, USA</i>	

Category: Library Science and Administration

Change Leadership Styles and Behaviors in Academic Libraries	5194
<i>John Kennedy Lewis, Salve Regina University, USA</i>	
Changing Expectations of Academic Libraries	5204
<i>Jennifer Ashley Wright Joe, Western Kentucky University, USA</i>	
Digital Archives for Preserving and Communicating Architectural Drawings	5213
<i>Roberta Spallone, Politecnico di Torino, Italy</i>	
<i>Francesca Paluan, Politecnico di Torino, Italy</i>	
Massive Digital Libraries (MDLs).....	5226
<i>Andrew Philip Weiss, California State University – Northridge, USA</i>	
Mission, Tools, and Ongoing Developments in the So.Re.Com. “A.S. de Rosa” @-library	5237
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
Social Media Applications as Effective Service Delivery Tools for Librarians	5252
<i>Ihuoma Sandra Babatope, Delta State College of Physical Education, Nigeria</i>	

- Web 2.0 From Evolution to Revolutionary Impact in Library and Information Centers..... 5262
Zahid Ashraf Wani, University of Kashmir, India
Tazeem Zainab, University of Kashmir, India
Shabir Hussain, University of Kashmir, India

Category: Logistics and Supply Chain Management

- Barcodes vs. RFID and Its Continued Success in Manufacturing and Services..... 5273
Amber A. Smith-Ditizio, Texas Woman's University, USA
Alan D. Smith, Robert Morris University, USA
- Becoming Smart, Innovative, and Socially Responsible in Supply Chain Collaboration 5285
Goknur Arzu Akyuz, University of Turkish Aeronautical Association, Turkey
Guner Gursoy, Okan University, Turkey
- Concept and Practices of Cyber Supply Chain in Manufacturing Context..... 5306
Anisha Banu Dawood Gani, Universiti Sains Malaysia, Malaysia
Yudi Fernando, Universiti Malaysia Pahang, Malaysia
- The Concept of Modularity in the Context of IS Project Outsourcing 5317
Shahzada Benazeer, University of Antwerp, Belgium
Philip Huysmans, University of Antwerp, Belgium
Peter De Bruyn, University of Antwerp, Belgium
Jan Verelst, University of Antwerp, Belgium
- Developing Global Supply Chain Manager for Business Expansion..... 5327
Puspita Wulansari, Telkom University, Indonesia
Yudi Fernando, Universiti Malaysia Pahang, Malaysia
- Discrete Event Simulation in Inventory Management 5335
Linh Nguyen Khanh Duong, Auckland University of Technology, New Zealand
Lincoln C. Wood, University of Otago, New Zealand & Curtin University, Australia
- E-Business Supply Chains Drivers, Metrics, and ERP Integration 5345
Jean C. Essila, Northern Michigan University, USA
- Ecological Performance as a New Metric to Measure Green Supply Chain Practices 5357
June Poh Kim Tam, Universiti Sains Malaysia, Malaysia
Yudi Fernando, Universiti Malaysia Pahang, Malaysia
- E-Commerce in Logistics and Supply Chain Management 5367
Yasanur Kayikci, Turkish-German University, Turkey
- Exploring Drivers of Closed Loop Supply Chain in Malaysian Automotive Industry 5378
Fadzlina Mohd Fadzil, Universiti Sains Malaysia, Malaysia
Yudi Fernando, Universiti Malaysia Pahang, Malaysia

From Business-to-Business Software Startup to SAP's Acquisition	5388
<i>John Wang, Montclair State University, USA</i>	
<i>Jeffrey Hsu, Fairleigh Dickinson University, USA</i>	
<i>Sylvain Jaume, Saint Peter's University, USA</i>	
An Integrated Approach to Supply Chain Simulation	5398
<i>Nenad Stefanovic, University of Kragujevac, Serbia</i>	
<i>Bozidar Radenkovic, University of Belgrade, Serbia</i>	
Latest Advances on Benders Decomposition.....	5411
<i>Antonios Fragkogios, University of Thessaly, Greece</i>	
<i>Georgios K. D. Saharidis, University of Thessaly, Greece</i>	
Lean Logistics of the Transportation of Fresh Fruit Bunches (FFB) in the Palm Oil Industry.....	5422
<i>Cheah Cheng Teik, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Major Techniques and Current Developments of Supply Chain Process Modelling.....	5433
<i>Henry Xu, The University of Queensland, Australia</i>	
<i>Renae Agrey, The University of Queensland, Australia</i>	
Measuring Low Carbon Supply Chain.....	5446
<i>Muhammad Shabir Shaharudin, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Missing Part of Halal Supply Chain Management.....	5456
<i>Ratih Hendayani, Telkom University, Indonesia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Notions of Maritime Green Supply Chain Management	5465
<i>Fairuz Jasmi, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Offshoring IT	5476
<i>Susan Cockrell, Austin Peay State University, USA</i>	
<i>Terry Stringer Damron, Austin Peay State University, USA</i>	
<i>Amye M. Melton, Austin Peay State University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
Pricing Based on Real-Time Analysis of Forklift Utilization Using RFID in Warehouse Management.....	5490
<i>Numan Celebi, Sakarya University, Turkey</i>	
<i>Kübra Savaş, İstanbul University, Turkey</i>	
<i>Ihsan Hakan Selvi, Sakarya University, Turkey</i>	

Profit Maximizing Network Modeling With Inventory and Capacity Considerations	5503
<i>Tan Miller, Rider University, USA</i>	
<i>Renato de Matta, University of Iowa, USA</i>	
Radio Frequency Identification Systems Within a Lean Supply Chain in a Global Environment ...	5516
<i>Alan D. Smith, Robert Morris University, USA</i>	
<i>Terry Stringer Damron, Austin Peay State University, USA</i>	
<i>Susan Cockrell, Austin Peay State University, USA</i>	
<i>Amye M. Melton, Austin Peay State University, USA</i>	
Reflections of the 1Malaysia Supply Chain (1MSC)	5527
<i>Munira Halili, Universiti Sains Malaysia, Malaysia</i>	
<i>Latifah Naina Mohamed, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
A Review of Advances in Supply Chain Intelligence.....	5538
<i>Nenad Stefanovic, University of Kragujevac, Serbia</i>	
<i>Danijela Milosevic, University of Kragujevac, Serbia</i>	
A Review of Supply Chain Risk Management in Agribusiness Industry	5550
<i>Sri Widjayanesti, Telkom University, Indonesia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
The Role of Emerging Information Technologies for Supporting Supply Chain Management	5559
<i>Zlatko Nedelko, University of Maribor, Slovenia</i>	
<i>Vojko Potocan, University of Maribor, Slovenia</i>	
Samsung Company and an Analysis of Supplier-Side Supply Chain Management and IT Applications	5570
<i>Amber A. Smith-Ditzio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
Simulating Complex Supply Chain Relationships Using Copulas	5583
<i>Krishnamurty Muralidhar, University of Oklahoma, USA</i>	
<i>Rathindra Sarathy, Oklahoma State University, USA</i>	
Using RFID and Barcode Technologies to Improve Operations Efficiency Within the Supply Chain.....	5595
<i>Amber A. Smith-Ditzio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	

Category: Management Science

The Business Transformation Framework for Managers in Transformation Projects	5607
<i>Antoine Trad, IBITSM, Switzerland</i>	
<i>Damir Kalpić, University of Zagreb, Croatia</i>	

Contemporary Leadership Development in Kazakhstan	5626
<i>Gainiya Tazhina, University of International Business, Kazakhstan</i>	
<i>Judith Parker, Teachers College, Columbia University, USA</i>	
<i>Arslan Ivashov, Kazakh Ablai Khan University of International Relations and World Languages, USA</i>	
Empirical Verification of the Performance Measurement System.....	5638
<i>Aleksander Janeš, University of Primorska, Slovenia</i>	
Lack of Characteristics Management Causing Biggest Projects Failure	5650
<i>Loredana Arana, University of Phoenix, USA</i>	
Making Sense of IS Project Stories	5660
<i>Darren Dalcher, University of Hertfordshire, UK</i>	

Volume VIII (MA - MU)

The Measurement and Recognition of Intellectual Capital in the Process of Accounting Convergence Trends and Patterns	5669
<i>Ionica Oncioiu, Titu Maiorescu University, Romania</i>	
Project Control Using a Bayesian Approach.....	5679
<i>Franco Caron, Politecnico di Milano, Italy</i>	
Shaping Mega-Science Projects and Practical Steps for Success	5690
<i>Phil Crosby, Curtin University, Australia</i>	
Staying Ahead in Business Through Innovation.....	5705
<i>N. Raghavendra Rao, FINAIT Consultancy Services, India</i>	
Sustainable Competitive Advantage With the Balanced Scorecard Approach.....	5714
<i>Jorge Gomes, ISEG, Universidade de Lisboa, Portugal</i>	
<i>Mário José Batista Romão, ISEG, Universidade de Lisboa, Portugal</i>	
Transformational Leadership for Academic Libraries in Nigeria.....	5726
<i>Violet E. Ikolo, Delta State University Library, Nigeria</i>	

Category: Marketing

Are Social Marketing Investments Used as a Tool for Voluntary Reporting or Disclosure?	5737
<i>Tugba Ucma Uysal, Mugla Sitki Kocman University, Turkey</i>	
<i>Ganite Kurt, Gazi University, Turkey</i>	
<i>Ali Naci Karabulut, Mugla Sitki Kocman University, Turkey</i>	

The Impact of Artificial Intelligence and Virtual Personal Assistants on Marketing	5748
<i>Christina L. McDowell Marinchak, University of Alaska Anchorage, USA</i>	
<i>Edward Forrest, University of Alaska Anchorage, USA</i>	
<i>Bogdan Hoanca, University of Alaska Anchorage, USA</i>	
Marketing and Marketing Plan for Information Services	5757
<i>Sérgio Maravilhas, Universidade Salvador, Brazil</i>	
A Neuroaesthetic Approach to the Search of Beauty From the Consumer's Perspective.....	5767
<i>Gemma García Ferrer, Rey Juan Carlos University, Spain</i>	
Social Media Use and Customer Engagement.....	5775
<i>Aurora Garrido-Moreno, University of Malaga, Spain</i>	
<i>Nigel Lockett, University of Lancaster, UK</i>	
<i>Víctor García-Morales, University of Granada, Spain</i>	
Category: Medical Education, Ethics, and Law	
Comprehensive E-Learning Appraisal System.....	5787
<i>Jose Luis Monroy Anton, La Ribera University Hospital, Spain</i>	
<i>Juan Vicente Izquierdo Soriano, La Ribera University Hospital, Spain</i>	
<i>Maria Isabel Asensio Martínez, La Ribera University Hospital, Spain</i>	
<i>Felix Buendia Garcia, Polytechnical University of Valencia, Spain</i>	
Flipping the Medical School Classroom.....	5800
<i>Kristina Kaljo, Medical College of Wisconsin, USA</i>	
<i>Laura Jacques, Medical College of Wisconsin, USA</i>	
Integrating Evidence-Based Practice in Athletic Training Though Online Learning.....	5810
<i>Brittany A. Vorndran, Seton Hall University, USA</i>	
<i>Michelle Lee D'Abundo, Seton Hall University, USA</i>	
Integrating Web-Based Technologies Into the Education and Training of Health Professionals	5820
<i>Michelle Lee D'Abundo, Seton Hall University USA</i>	
<i>Cara Sidman, Arizona State University, USA</i>	
Interactivity in Distance Education and Computer-Aided Learning, With Medical Education Examples.....	5829
<i>D. John Doyle, Cleveland Clinic, USA</i>	
<i>Patrick J. Fahy, Athabasca University, Canada</i>	
Medical Equipment and Economic Determinants of Its Structure and Regulation in the Slovak Republic	5841
<i>Beáta Gavurová, Technical University of Košice, Slovakia</i>	
<i>Viliam Kováč, Technical University of Košice, Slovakia</i>	
<i>Michal Šoltés, Technical University of Košice, Slovakia</i>	

Use of Technology in Problem-Based Learning in Health Science..... 5853

Indu Singh, Griffith University, Australia

Avinash Reddy Kundur, Griffith University, Australia

Yun-Mi Nguy, Griffith University, Australia

Category: Medical Technologies

Defining and Characterising the Landscape of eHealth..... 5864

Yvonne O'Connor, University College Cork, Ireland

Ciara Heavin, University College Cork, Ireland

Kinect Applications in Healthcare 5876

Roanna Lun, Cleveland State University, USA

Wenbing Zhao, Cleveland State University, USA

Neuroscience Technology and Interfaces for Speech, Language, and Musical Communication 5886

Dionysios Politis, Aristotle University of Thessaloniki, Greece

Miltiadis Tsalighopoulos, Aristotle University of Thessaloniki, Greece

Georgios Kyriafinis, AHEPA University Hospital, Greece

Personalized Medicine 5901

Sandip Bisui, Indian Institute of Technology (IIT) Kanpur, India

Subhas Chandra Misra, Indian Institute of Technology (IIT) Kanpur, India

Pervasive Mobile Health 5908

Muhammad Anshari, Universiti Brunei Darussalam, Brunei

Mohammad Nabil Almunawar, Universiti Brunei Darussalam, Brunei

Radio Frequency Identification Technologies and Issues in Healthcare 5918

Amber A. Smith-Ditizio, Texas Woman's University, USA

Alan D. Smith, Robert Morris University, USA

Social Telerehabilitation 5930

Gilberto Marzano, Rezekne Academy of Technologies, Latvia

A Validation Study of Rehabilitation Exercise Monitoring Using Kinect..... 5941

Wenbing Zhao, Cleveland State University, USA

Deborah D. Espy, Cleveland State University, USA

Ann Reinthal, Cleveland State University, USA

Virtual Reality as Distraction Technique for Pain Management in Children and Adolescents 5955

Barbara Atzori, University of Florence, Italy

Hunter G. Hoffman, University of Washington, USA

Laura Vagnoli, Meyer Children's Hospital of Florence, Italy

Andrea Messeri, Meyer Children's Hospital of Florence, Italy

Rosapia Lauro Grotto, University of Florence, Italy

Category: Mobile and Wireless Computing

Biogeography-Based Optimization Applied to Wireless Communications Problems	5967
<i>Sotirios K. Goudos, Aristotle University of Thessaloniki, Greece</i>	
BYOD (Bring Your Own Device), Mobile Technology Providers, and Its Impacts on Business/ Education and Workplace/Learning Applications	5981
<i>Amber A. Smith-Ditizio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
Cell Phone Conversation and Relative Crash Risk Update.....	5992
<i>Richard A. Young, Driving Safety Consulting, LLC, USA</i>	
Comb Filters Characteristics and Current Applications	6007
<i>Miriam Guadalupe Cruz-Jimenez, Institute INAOE, Mexico</i>	
<i>David Ernesto Troncoso Romero, CONACYT at ESCOM-IPN, Mexico</i>	
<i>Gordana Jovanovic Dolecek, Institute INAOE, Mexico</i>	
Consumer Adoption of PC-Based/Mobile-Based Electronic Word-of-Mouth.....	6019
<i>Akinori Ono, Keio University, Japan</i>	
<i>Mai Kikumori, Ritsumeikan University, Japan</i>	
Context-Aware Personalization for Mobile Services	6031
<i>Abayomi Moradeyo Otebolaku, Liverpool John Moores University, UK</i>	
<i>Maria Teresa Andrade, University of Porto, Portugal</i>	
Design of Compensators for Comb Decimation Filters.....	6043
<i>Gordana Jovanovic Dolecek, Institute INAOE Puebla, Mexico</i>	
An Empirical Study of Mobile/Handheld App Development Using Android Platforms	6057
<i>Wen-Chen Hu, University of North Dakota, USA</i>	
<i>Naima Kaabouch, University of North Dakota, USA</i>	
<i>Hung-Jen Yang, National Kaohsiung Normal University, Taiwan</i>	
Enhancing the Mobile User Experience Through Colored Contrasts.....	6070
<i>Jean-Éric Pelet, ESCE International Business School, France</i>	
<i>Basma Taieb, University of Cergy Pontoise, France</i>	
Ethical Ambiguities in the Privacy Policies of Mobile Health and Fitness Applications	6083
<i>Devjani Sen, University of Ottawa, Canada</i>	
<i>Rukhsana Ahmed, University of Ottawa, Canada</i>	
Exploring the Growth of Wireless Communications Systems and Challenges Facing 4G Networks	6094
<i>Amber A. Smith-Ditizio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	

Flying Adhoc Networks Concept and Challenges	6106
<i>Kuldeep Singh, Thapar University, India</i>	
<i>Anil Kumar Verma, Thapar University, India</i>	
Health Wearables Turn to Fashion.....	6114
<i>Lambert Spaanenburg, Comoray AB, Sweden</i>	
Human Psychomotor Performance Under the Exposure to Mobile Phones-Like Electromagnetic Fields.....	6124
<i>Giuseppe Curcio, University of L'Aquila, Italy</i>	
Identification of Wireless Devices From Their Physical Layer Radio-Frequency Fingerprints	6136
<i>Gianmarco Baldini, European Commission – Joint Research Centre, Italy</i>	
<i>Gary Steri, European Commission – Joint Research Centre, Italy</i>	
<i>Raimondo Giuliani, European Commission – Joint Research Centre, Italy</i>	
The Impact of Mobile Phones on Plastic Surgery and Burn Management.....	6147
<i>Maria Giaquinto-Cilliers, Kimberley Hospital Complex, South Africa</i>	
<i>Tertius N. Potgieter, Kimberley Hospital Complex, South Africa</i>	
<i>Gert Steyn, Kimberley Hospital Complex, South Africa</i>	
The Intersection of Religion and Mobile Technology	6161
<i>Wendi R. Bellar, Texas A&M University, USA</i>	
<i>Kyong James Cho, Texas A&M University, USA</i>	
<i>Heidi A. Campbell, Texas A&M University, USA</i>	
Methods for Simultaneous Improvement of Comb Pass Band and Folding Bands	6171
<i>Gordana Jovanovic Dolecek, Institute INAOE Puebla, Mexico</i>	
Micro to Macro Social Connectedness Through Mobile Phone Engagement	6184
<i>Dominic Mentor, Columbia University, USA</i>	
Mobile Applications for Automatic Object Recognition	6195
<i>Danilo Avola, University of Udine, Italy</i>	
<i>Gian Luca Foresti, University of Udine, Italy</i>	
<i>Claudio Piciarelli, University of Udine, Italy</i>	
<i>Marco Vernier, University of Udine, Italy</i>	
<i>Luigi Cinque, Sapienza University, Italy</i>	
Mobile Apps Threats.....	6207
<i>Donovan Peter Chan Wai Loon, University of Malaya, Malaysia</i>	
<i>Sameer Kumar, University of Malaya, Malaysia</i>	
Mobile Technologies Impact on Economic Development in Sub-Saharan Africa	6216
<i>Adam Crossan, Letterkenny Institute of Technology, Ireland</i>	
<i>Nigel McKelvey, Letterkenny Institute of Technology, Ireland</i>	
<i>Kevin Curran, Ulster University, UK</i>	

Mobile Virtual Reality to Enhance Subjective Well-Being	6223
<i>Federica Pallavicini, Università di Milano-Bicocca, Italy</i>	
<i>Luca Morganti, Università di Milano-Bicocca, Italy</i>	
<i>Barbara Diana, Università di Milano-Bicocca, Italy</i>	
<i>Olivia Realdon, University of Milano-Bicocca, Italy</i>	
<i>Valentino Zurloni, Università di Milano-Bicocca, Italy</i>	
<i>Fabrizia Mantovani, Università di Milano-Bicocca, Italy</i>	
Novel Methods to Design Low-Complexity Digital Finite Impulse Response (FIR) Filters.....	6234
<i>David Ernesto Troncoso Romero, CONACYT at ESCOM-IPN, Mexico</i>	
<i>Gordana Jovanovic Dolecek, Institute INAOE, Mexico</i>	
Open Source.....	6245
<i>Heidi Lee Schnackenberg, SUNY Plattsburgh, USA</i>	
Power Consumption in Wireless Access Networks	6253
<i>Vinod Kumar Mishra, B. T. Kumaon Institute of Technology, India</i>	
<i>Pankaja Bisht, B. T. Kumaon Institute of Technology, India</i>	
Resource Management for Multimedia Services in Long Term Evaluation Networks	6266
<i>Vinod Kumar Mishra, B. T. Kumaon Institute of Technology, India</i>	
<i>Tanuja Pathak, B. T. Kumaon Institute of Technology, India</i>	
SMS & Civil Unrest.....	6275
<i>Innocent Chiluwa, Covenant University OTA, Nigeria</i>	
A Survey of People Localization Techniques Utilizing Mobile Phones.....	6286
<i>Levent Bayindir, Ataturk University, Turkey</i>	
Technological Innovation and Use in the Early Days of Camera Phone Photo Messaging.....	6296
<i>Jonathan Lillie, Loyola University, USA</i>	
Viterbi Decoder in Hardware	6307
<i>Mário Pereira Véstias, Instituto Politecnico de Lisboa, Portugal</i>	
Wireless Implant Communications Using the Human Body	6319
<i>Assefa K. Teshome, Victoria University, Australia</i>	
<i>Behailu Kibret, Victoria University, Australia</i>	
<i>Daniel T. H. Lai, Victoria University, Australia</i>	
Category: Mobile Learning	
E-Collaborative Learning (e-CL).....	6336
<i>Alexandros Xafopoulos, University College London, UK</i>	

Learning With Mobile Devices.....	6347
<i>Helen Crompton, Old Dominion University, USA</i>	
<i>John Traxler, University of Wolverhampton, UK</i>	
Mobile Game-Based Learning.....	6361
<i>Boaventura DaCosta, Solers Research Group, USA</i>	
<i>Soonhwa Seok, Korea University, South Korea</i>	
<i>Carolyn Kinsell, Solers Research Group, USA</i>	
Mobile Game-Based Learning in STEM Subjects.....	6376
<i>Marcelo Leandro Eichler, Universidade Federal do Rio Grande do Sul, Brazil</i>	
<i>Gabriela Trindade Perry, Universidade Federal do Rio Grande do Sul, Brazil</i>	
<i>Ivana Lima Lucchesi, Universidade Federal do Rio Grande do Sul, Brazil</i>	
<i>Thiago Troina Melendez, Instituto Federal Sul-Riograndense, Brazil</i>	
Mobile Learning in and out of the K-12 Classroom	6388
<i>Pena L. Bedesem, Kent State University, USA</i>	
<i>Tracy Arner, Kent State University, USA</i>	
A Psychological Perspective on Mobile Learning.....	6398
<i>Melody M. Terras, University of the West of Scotland, UK</i>	
<i>Judith Ramsay, Manchester Metropolitan University, UK</i>	
The Role of Distance Education in Global Education	6412
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	

Category: Multimedia Technology

Adaptive Hypermedia Systems	6424
<i>Ana Carolina Tomé Klock, Federal University of Rio Grande do Sul (UFRGS), Brazil</i>	
<i>Isabela Gasparini, Santa Catarina State University (UDESC), Brazil</i>	
<i>Marcelo Soares Pimenta, Federal University of Rio Grande do Sul (UFRGS), Brazil</i>	
<i>José Palazzo M. de Oliveira, Federal University of Rio Grande do Sul (UFRGS), Brazil</i>	
Group Synchronization for Multimedia Systems.....	6435
<i>Dimitris N. Kanellopoulos, University of Patras, Greece</i>	
Metadata Standards in Digital Audio.....	6447
<i>Kimmy Szeto, Baruch College, City University of New York, USA</i>	
Multimedia-Enabled Dot Codes as Communication Technologies	6464
<i>Shigeru Ikuta, Otsuma Women's University, Japan</i>	

Volume IX

(MU - SO)

- Semantically Enhanced Authoring of Shared Media 6476
Charalampos A. Dimoulas, Aristotle University of Thessaloniki, Greece
Andreas A. Veglis, Aristotle University of Thessaloniki, Greece
George Kalliris, Aristotle University of Thessaloniki, Greece

- Transmedia and Transliteracy in Nemetical Analysis 6488
Michael Josefowicz, Nemetics Institute Kolkata, USA
Ray Gallon, The Transformation Society, France
Maria Nieves Lorenzo Galés, The Transformation Society, Spain

Category: Networking and Telecommunications

- Autonomic Cooperative Communications 6499
Michał Wodczak, Samsung Electronics, Poland

- Clique Size and Centrality Metrics for Analysis of Real-World Network Graphs 6507
Natarajan Meghanathan, Jackson State University, USA

- Distributed Methods for Multi-Sink Wireless Sensor Networks Formation 6522
Miriam A. Carlos-Mancilla, CINVESTAV Unidad Guadalajara, Mexico
Ernesto Lopez-Mellado, CINVESTAV Unidad Guadalajara, Mexico
Mario Siller, CINVESTAV Unidad Guadalajara, Mexico

- A Graph-Intersection-Based Algorithm to Determine Maximum Lifetime Communication
Topologies for Cognitive Radio Ad Hoc Networks 6536
Natarajan Meghanathan, Jackson State University, USA

- Improving Quality of Business in Next Generation Telecom Networks 6546
Vesna Radonjić Đogatović, University of Belgrade, Serbia

- Information-Centric Networking 6556
Mohamed Fazil Mohamed Firdhous, University of Moratuwa, Sri Lanka

- Interoperability Frameworks for Distributed Systems 6566
José Carlos Martins Delgado, Universidade de Lisboa, Portugal

- Neural Networks and Their Accelerated Evolution From an Economic Analysis Perspective 6579
Stelian Stancu, Bucharest University of Economic Studies, Romania
Constanța-Nicoleta Bodea, Bucharest University of Economic Studies, Romania
Oana Mădălina Popescu(Predescu), Bucharest University of Economic Studies, Romania
Alina Neamțu(Idorași), Bucharest University of Economic Studies, Romania

Optimization of Antenna Arrays and Microwave Filters Using Differential Evolution Algorithms	6595
--	------

Sotirios K. Goudos, Aristotle University of Thessaloniki, Greece

QoS Architectures for the IP Network	6609
--	------

Harry G. Perros, North Carolina State University, USA

Throughput Dependence on SNR in IEEE802.11 WLAN Systems	6618
---	------

Ikponmwosa Oghogho, Delta State University, Abraka-Oleh Campus, Nigeria

Category: Neural Networks

Applications of Artificial Neural Networks in Economics and Finance.....	6631
--	------

Iva Mihaylova, University of St. Gallen, Switzerland

Artificial Neural Networks and Their Applications in Business.....	6642
--	------

Trevor J. Bihl, Air Force Institute of Technology, USA

William A. Young, Ohio University, USA

Gary R. Weckman, Ohio University, USA

Recurrent Neural Networks for Predicting Mobile Device State.....	6658
---	------

Juan Manuel Rodriguez, ISISTAN, UNICEN-CONICET, Argentina

Alejandro Zunino, ISISTAN, UNICEN-CONICET, Argentina

Antonela Tommasel, ISISTAN, UNICEN-CONICET, Argentina

Cristian Mateos, ISISTAN, UNICEN-CONICET, Argentina

Category: Optical Engineering

Visible Light Communication Numerous Applications.....	6672
--	------

Ala' Fathi Khalifeh, German Jordan University, Jordan

Hasan Farahneh, Ryerson University, Canada

Christopher Mekhiel, Ryerson University, Canada

Xavier Fernando, Ryerson University, Canada

Category: Public Sector Management

Community Outreach.....	6685
-------------------------	------

Loriene Roy, The University of Texas at Austin, USA

Antonia Frydman, The University of Texas at Austin, USA

Exploring “Hacking,” Digital Public Art, and Implication for Contemporary Governance.....	6695
---	------

Amadu Wurie Khan, University of Edinburgh, UK

Chris Speed, University of Edinburgh, UK

Political Context Elements in Public Policy of Radio Frequency Information Technology and Electromagnetic Fields.....	6710
<i>Joshua M. Steinfeld, Old Dominion University, USA</i>	
Public Policies for Providing Cloud Computing Services to SMEs of Latin America.....	6727
<i>Mohd Nayyer Rahman, Aligarh Muslim University, India</i>	
<i>Badar Alam Iqbal, Aligarh Muslim University, India</i>	

Category: Research Methods and Scholarly Publishing

Advancement and Application of Scientometric Indicators for Evaluation of Research Content....	6739
<i>Tazeem Zainab, University of Kashmir, India</i>	
<i>Zahid Ashraf Wani, University of Kashmir, India</i>	
Electronic Theses and Dissertations (ETDs)	6748
<i>Ralph Hartsock, University of North Texas, USA</i>	
<i>Daniel G. Alemneh, University of North Texas, USA</i>	
The Nature of Research Methodologies.....	6756
<i>Ben Tran, Alliant International University, USA</i>	
Research Methodology	6767
<i>Swati C. Jagdale, MAEER's Maharashtra Institute of Pharmacy, India</i>	
<i>Rahul U. Hude, MAEER's Maharashtra Institute of Pharmacy, India</i>	
<i>Aniruddha R. Chabukswar, MAEER's Maharashtra Institute of Pharmacy, India</i>	
Scholarly Identity in an Increasingly Open and Digitally Connected World.....	6779
<i>Olga Belikov, Brigham Young University, USA</i>	
<i>Royce Kimmons, Brigham Young University, USA</i>	

Category: Risk Assessment

Fuzzy Logic Approach in Risk Assessment	6789
<i>Çetin Karahan, Directorate General of Civil Aviation, Turkey</i>	
<i>Esra Ayça Güzeldereli, Afyon Kocatepe University, Turkey</i>	
<i>Aslıhan Tüfekci, Gazi University, Turkey</i>	
Predictive Analytics and Intelligent Risk Detection in Healthcare Contexts.....	6806
<i>Nilmini Wickramasinghe, Epworth HealthCare, Australia & Deakin University, Australia</i>	
Stress Testing Corporations and Municipalities and Supply Chains	6813
<i>Frank Wolf, CSSTA L3C, USA</i>	

Category: Robotics

Binary Decision Diagram Reliability for Multiple Robot Complex System	6825
<i>Hamed Fazlollahtabar, Sharif University of Technology, Iran & National Elites Foundation, Iran</i>	
<i>Seyed Taghi Akhavan Niaki, Sharif University of Technology, Iran</i>	
A Bio-Inspired, Distributed Control Approach to the Design of Autonomous Cooperative Behaviors in Multiple Mobile Robot Systems	6836
<i>Gen'ichi Yasuda, Nagasaki Institute of Applied Science, Japan</i>	
Improving Dependability of Robotics Systems	6847
<i>Nidhal Mahmud, University of Hull, UK</i>	
Robotics and Programming Integration as Cognitive-Learning Tools	6859
<i>Nikleia Eteokleous, Frederick University Cyprus, Cyprus</i>	
State of the Art and Key Design Challenges of Telesurgical Robotics.....	6872
<i>Sajid Nisar, National University of Science and Technology, Pakistan</i>	
<i>Osman Hasan, National University of Science and Technology, Pakistan</i>	
Telesurgical Robotics and a Kinematic Perspective	6882
<i>Sajid Nisar, National University of Sciences and Technology, Pakistan</i>	
<i>Osman Hasan, National University of Sciences and Technology, Pakistan</i>	
Using Global Appearance Descriptors to Solve Topological Visual SLAM.....	6894
<i>Lorenzo Fernández Rojo, Miguel Hernandez University, Spain</i>	
<i>Luis Paya, Miguel Hernández University, Spain</i>	
<i>Francisco Amoros, Miguel Hernandez University, Spain</i>	
<i>Oscar Reinoso, Miguel Hernandez University, Spain</i>	

Category: Small and Medium Enterprises

Big Data and Simulations for the Solution of Controversies in Small Businesses	6907
<i>Milena Janakova, Silesian University in Opava, Czech Republic</i>	
Financing Micro, Small, and Medium Enterprises in Indian Industry	6916
<i>Shromona Ganguly, Indian Institute of Management Calcutta, India & Reserve Bank of India, India</i>	
Software Development Process Standards for Very Small Companies	6927
<i>Rory V. O'Connor, Dublin City University, Ireland</i>	

Category: Social Networking and Computing

Adolescents' Food Communication in Social Media: <i>Christopher Holmberg, University of Gothenburg, Sweden</i>	6940
Agent-Based Social Networks <i>Federico Bergenti, Università degli Studi di Parma, Italy Agostino Poggi, Università degli Studi di Parma, Italy Michele Tomaiuolo, Università degli Studi di Parma, Italy</i>	6950
Aspects of Various Community Detection Algorithms in Social Network Analysis <i>Nicole Belinda Dillen, St. Thomas' College of Engineering and Technology, India Aruna Chakraborty, St. Thomas' College of Engineering and Technology, India</i>	6961
Classification of Traffic Events Notified in Social Networks' Texts..... <i>Ana Maria Magdalena Saldana-Perez, Instituto Politecnico Nacional, Mexico Marco Antonio Moreno-Ibarra, Instituto Politécnico Nacional, Mexico Miguel Jesus Torres-Ruiz, Instituto Politécnico Nacional, Mexico</i>	6973
Communication Privacy Management and Mediated Communication	6985
<i>Debra L. Worthington, Auburn University, USA Margaret Fitch-Hauser, Auburn University, USA</i>	
The Dual Nature of Participatory Web and How Misinformation Seemingly Travels	6993
<i>Sameer Kumar, University of Malaya, Malaysia</i>	
Effective Cultural Communication via Information and Communication Technologies and Social Media Use	7002
<i>Androniki Kavoura, Technological Educational Institute of Athens, Greece Stella Sylaiou, Aristotle University of Thessaloniki, Greece</i>	
From the Psychoanalyst's Couch to Social Networks.....	7014
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy Emanuele Fino, Psychologist, Psychometrician, Italy Elena Bocci, Sapienza University of Rome, Italy</i>	
The Internet Behavior of Older Adults	7026
<i>Elizabeth Mazur, Pennsylvania State University, USA Margaret L. Signorella, Pennsylvania State University, USA Michelle Hough, Pennsylvania State University, USA</i>	
Issues and Challenges in Enterprise Social Media	7036
<i>Sarabjot Kaur, IIT Kanpur, India Subhas Chandra Misra, IIT Kanpur, India</i>	

Mapping the Dissemination of the Theory of Social Representations via Academic Social Networks	7044
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i> <i>Laura Dryjanska, Sapienza University of Rome, Italy</i> <i>Elena Bocci, Sapienza University of Rome, Italy</i>	
The NetLab Network.....	7057
<i>Dimitrina Dimitrova, York University, Canada</i> <i>Barry Wellman, NetLab Network, Canada</i>	
Online Dating/Dating Apps	7069
<i>Vladimir Santiago Arias, Texas Tech University, USA</i> <i>Narissa Maria Punyanunt-Carter, Texas Tech University, USA</i>	
Online Prosocial Behaviors.....	7077
<i>Michelle F. Wright, Pennsylvania State University, USA</i> <i>William Stanley Pendergrass, American Public University System, USA</i>	
Online Social Networking Behavior and Its Influence Towards Students' Academic Performance	7088
<i>Maslin Masrom, Universiti Teknologi Malaysia, Malaysia</i> <i>Selisa Usat, Universiti Teknologi Malaysia, Malaysia</i>	
Parental Mediation of Adolescent Technology Use.....	7097
<i>J. Mitchell Vaterlaus, Montana State University, USA</i>	
The Qualities and Potential of Social Media	7106
<i>Udo Richard Averweg, eThekwini Municipality, South Africa</i> <i>Marcus Leaning, University of Winchester, UK</i>	
Short History of Social Networking and Its Far-Reaching Impact	7116
<i>Ligu Yu, Indiana University – South Bend, USA</i>	
Social Media and Business Practices.....	7126
<i>Ashish Kumar Rathore, Indian Institute of Technology Delhi, India</i> <i>P. Vigneswara Ilavarasan, Indian Institute of Technology Delhi, India</i>	
Social Media Credit Scoring.....	7140
<i>Billie Anderson, Ferris State University, USA</i> <i>J. Michael Hardin, Samford University, USA</i>	
Social Network Analysis and the Study of University Industry Relations	7150
<i>Fernando Cabrita Romero, University of Minho, Portugal</i>	
Social Networking and Knowledge Sharing in Organizations.....	7161
<i>Sarabjot Kaur, Indian Institute of Technology Kanpur, India</i> <i>Subhas Chandra Misra, Indian Institute of Technology Kanpur, India</i>	

Understanding the Potentials of Social Media in Collaborative Learning..... 7168
Adem Karahoca, Bahcesehir University, Turkey
*Ilker Yengin, A*STAR, Institute of High Performance Computing, Singapore*

Using Social Media to Increase the Recruitment of Clinical Research Participants 7181
Saliha Akhtar, Seton Hall University, USA

Why It Is Difficult to Disengage From Facebook 7190
Sonda Bouattour Fakhfakh, University of Tunis El-Manar, Tunisia

Category: Socio-Economic Development

Community Science and Technology and Its Meaning to Potential Requirement..... 7201
P. K. Paul, Raiganj University, India
A. Bhuiyani, Raiganj University, India

Financial Inclusion, Content, and Information Technologies in Latin America..... 7214
Alberto Chong, Georgia State University, USA & Universidad del Pacifico, Peru
Cecilia de Mendoza, Ministry of Production of Argentina, Argentina

The Growing Impact of ICT on Development in Africa..... 7223
Sherif H. Kamel, The American University in Cairo, Egypt

Manufacturing vs. Services and the Role of Information Technology 7234
Arnab Adhikari, Indian Institute of Management Ranchi, India
Shromona Ganguly, Indian Institute of Management Calcutta, India

New Faces of Digital Divide and How to Bridge It..... 7248
Viktor Freiman, Université de Moncton, Canada
Dragana Martinovic, University of Windsor, Canada
Xavier Robichaud, Université de Moncton, Canada

The Potential Role of the Software Industry in Supporting Economic Development 7259
Sherif H. Kamel, The American University in Cairo, Egypt

Socio-Economic Processes, User Generated Content, and Media Pluralism 7270
Androniki Kavoura, Technological Educational Institute of Athens, Greece

Volume X **(SO - W)**

Category: Sociology

Bipolar Model in Collective Choice 7282
Ayeley P. Tchangani, Université Fédérale Toulouse Midi-Pyrénées, France

Censorship in the Digital Age the World Over	7292
<i>Kari D. Weaver, University of South Carolina – Aiken, USA</i>	
Information-Based Revolution in Military Affairs	7302
<i>Rafal Kopec, Pedagogical University of Krakow, Poland</i>	
The Networked Effect of Children and Online Digital Technologies.....	7312
<i>Teresa Sofia Pereira Dias de Castro, University of Minho, Portugal</i>	
<i>António Osório, University of Minho, Portugal</i>	
<i>Emma Bond, University Campus Suffolk, UK</i>	
Suggestions for Communication of Information for Multicultural Co-Existence	7327
<i>Noriko Kurata, Tokyo University of Science, Suwa, Japan</i>	
Vitalizing Ancient Cultures Mythological Storytelling in Metal Music	7338
<i>Uğur Kılınç, Ondokuz Mayıs University, Turkey</i>	

Category: Sports and Entertainment

Mining Sport Activities	7348
<i>Iztok Fister Jr., University of Maribor, Slovenia</i>	
<i>Iztok Fister, University of Maribor, Slovenia</i>	
Sport Exergames for Physical Education	7358
<i>Pooya Soltani, University of Porto, Portugal</i>	
<i>João Paulo Vilas-Boas, University of Porto, Portugal</i>	

Category: Systems and Software Engineering

Adopting Open Source Software in Smartphone Manufacturers' Open Innovation Strategy	7369
<i>Mohammad Nabil Almunawar, Universiti Brunei Darussalam, Brunei</i>	
<i>Muhammad Anshari, Universiti Brunei Darussalam, Brunei</i>	
<i>Heru Susanto, Indonesian Institute of Sciences, Indonesia & Tunghai University, Taiwan</i>	

Assessing Computer-Aided Design Skills	7382
<i>Yi Lin Wong, The Hong Kong Polytechnic University, Hong Kong</i>	
<i>Kin Wai Michael Siu, The Hong Kong Polytechnic University, Hong Kong</i>	

The Challenges of Teaching and Learning Software Programming to Novice Students.....	7392
<i>Seyed Reza Shahamiri, Manukau Institute of Technology, New Zealand</i>	

Developing a Glossary for Software Projects	7399
<i>Tamer Abdou, Suez Canal University, Egypt</i>	
<i>Pankaj Kamthan, Concordia University, Canada</i>	
<i>Nazlie Shahmir, WestJet Airlines Limited, Canada</i>	

Displaying Hidden Information in Glossaries	7411
<i>Marcela Rida, Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina</i>	
<i>Jorge Horacio Doorn, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza, Argentina</i>	
Dynamic Situational Adaptation of a Requirements Engineering Process.....	7422
<i>Graciela Dora Susana Hadad, Universidad Nacional del Oeste, Argentina & Universidad de Belgrano, Argentina</i>	
<i>Jorge Horacio Doorn, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza, Argentina</i>	
<i>Viviana Alejandra Ledesma, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza. Argentina</i>	
A Formal Approach to the Distributed Software Control for Automated Multi-Axis Manufacturing Machines	7435
<i>Gen'ichi Yasuda, Nagasaki Institute of Applied Science, Japan</i>	
Model-Driven Software Modernization.....	7447
<i>Liliana Maria Favre, Universidad Nacional Del Centro De La Provincia De Buenos Aires, Argentina</i>	
<i>Liliana Martinez, Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina</i>	
<i>Claudia Teresa Pereira, Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina</i>	
Mutation Testing Applied to Object-Oriented Languages.....	7459
<i>Pedro Delgado-Pérez, University of Cádiz, Spain</i>	
<i>Inmaculada Medina-Bulo, University of Cádiz, Spain</i>	
<i>Juan José Domínguez-Jiménez, University of Cádiz, Spain</i>	
Object-Oriented Programming in Computer Science.....	7470
<i>Rahime Yilmaz, Istanbul University, Turkey</i>	
<i>Anil Sezgin, Yildiz Technical University, Turkey</i>	
<i>Sefer Kurnaz, Istanbul Esenyurt University, Turkey</i>	
<i>Yunus Ziya Arslan, Istanbul University, Turkey</i>	
The Past, Present, and Future of UML.....	7481
<i>Rebecca Platt, Murdoch University, Australia</i>	
<i>Nik Thompson, Curtin University, Australia</i>	
Petri Nets Identification Techniques for Automated Modelling of Discrete Event Processes	7488
<i>Edelma Rodriguez-Perez, CINVESTAV Unidad Guadalajara, Mexico</i>	
<i>Ernesto Lopez-Mellado, CINVESTAV Unidad Guadalajara, Mexico</i>	

Research and Development on Software Testing Techniques and Tools.....	7503
<i>Tamilarasi T, VIT University, India</i>	
<i>M. Prasanna, VIT University, India</i>	
The Role of Feedback in Software Process Assessment.....	7514
<i>Zeljko Stojanov, University of Novi Sad, Serbia</i>	
<i>Dalibor Dobrilovic, University of Novi Sad, Serbia</i>	
Secure Software Development of Cyber-Physical and IoT Systems.....	7525
<i>Muthu Ramachandran, Leeds Metropolitan University, UK</i>	
Software Literacy	7539
<i>Elaine Khoo, University of Waikato, New Zealand</i>	
<i>Craig Hight, University of Newcastle, Australia</i>	
Software Process Improvement for Web-Based Projects Comparative View.....	7549
<i>Thamer Al-Rousan, Isra University, Pakistan</i>	
A Study of Contemporary System Performance Testing Framework.....	7563
<i>Alex Ng, Federation University, Australia</i>	
<i>Shiping Chen, CSIRO Data61, Australia</i>	
A Tale of Two Agile Requirements Engineering Practices	7577
<i>Pankaj Kamthan, Concordia University, Canada</i>	
<i>Terrill Fancott, Concordia University, Canada</i>	
Towards an Understanding of Performance, Reliability, and Security	7588
<i>Ye Wang, Zhejiang Gongshang University, China</i>	
<i>Bo Jiang, Zhejiang Gongshang University, China</i>	
<i>Weifeng Pan, Zhejiang Gongshang University, China</i>	
Understanding User Experience	7599
<i>Camille Dickson-Deane, University of Melbourne, Australia</i>	
<i>Hsin-Liang (Oliver) Chen, University of Massachusetts Boston, USA</i>	
The What, How, and When of Formal Methods.....	7609
<i>Aristides Dasso, Universidad Nacional de San Luis, Argentina</i>	
<i>Ana Funes, Universidad Nacional de San Luis, Argentina</i>	

Category: Teacher Education

Constructing Preservice Teachers' Knowledge of Technology Integration.....	7623
<i>Kathleen A. Paciga, Columbia College Chicago, USA</i>	
<i>Angela Fowler, Erikson Institute, USA</i>	
<i>Mary Quest, Erikson Institute, USA</i>	

- Effectiveness of Teacher Training in Using Latest Technologies 7635
Revathi Viswanathan, B. S. Abdur Rahman University, India

- Role of Educational Leaders in Supporting Beginning Teachers in Al Ain Schools in the UAE 7647
Salam Omar Ali, Brighton Collage Al Ain, UAE

- The Technological Pedagogical Content Knowledge of EFL Teachers (EFL TPACK) 7659
Mehrak Rahimi, Shahid Rajaee Teacher Training University, Iran
Shakiba Pourshahbaz, Shahid Rajaee Teacher Training University, Iran

- Ubiquitous Teachers' Training and Lessons Learned with the uProf! Model 7671
Sabrina Leone, Università Politecnica delle Marche, Italy
Giovanni Biancofiore, giovannibiancofiore.com, Italy

- Video Considerations for the World Language edTPA..... 7682
Elizabeth Goulette, Georgia State University, USA
Pete Swanson, Georgia State University, USA

Category: Theoretical Computer Science

- Efficient Optimization Using Metaheuristics..... 7693
Sergio Nesmachnow, Universidad de la Repùblica, Uruguay

- An Essay on Denotational Mathematics 7704
Giuseppe Iurato, University of Palermo, Italy

- Quantum Computing and Quantum Communication 7715
Göran Palkkis, Arcada University of Applied Sciences, Finland
Kaj J. Grahn, Arcada University of Applied Sciences, Finland

- Sleptsov Net Computing 7731
Dmitry A. Zaitsev, International Humanitarian University, Ukraine

Category: Ubiquitous and Pervasive Computing

- Energy Conservation in the Era of Ubiquitous Computing 7745
P. P. Abdul Haleem, Farook College, India

- From General Services to Pervasive and Sensitive Services 7754
Mario Vega-Barbas, KTH-Royal Institute of Technology, Sweden & ESNE-Universidad Camilo José Cela, Spain
Iván Pau, Universidad Politécnica de Madrid, Spain
Fernando Seoane, KI-Karolinska Institutet, Sweden & University of Borås, Sweden

Home UbiHealth	7765
<i>John Sarivougioukas, "G. Gennimatas" Athens General Hospital, Greece</i>	
<i>Aristides Vagelatos, CTI&P, Greece</i>	
<i>Konstantinos Parsopoulos, University of Ioannina, Greece</i>	
<i>Isaac E. Lagaris, University of Ioannina, Greece</i>	
Multifaceted Applications of the Internet of Things.....	7775
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
The Role of U-FADE in Selecting Persuasive System Features.....	7785
<i>Isaac Wiafe, Ghana Institute of Management and Public Administration, Ghana</i>	
Social Computing.....	7796
<i>Nolan Hemmatzad, University of Nebraska at Omaha, USA</i>	
Ubiquitous Computing, Contactless Points, and Distributed Stores.....	7805
<i>Marco Savastano, Sapienza University of Rome, Italy</i>	
<i>Eleonora Pantano, Middlesex University London, UK</i>	
<i>Saverino Verteramo, University of Calabria, Italy</i>	

Category: Urban and Regional Development

Climate Change as a Driving Force on Urban Energy Consumption Patterns	7815
<i>Mostafa Jafari, Agricultural Research Education and Extension Organization (AREEO), Iran</i>	
<i>Pete Smith, University of Aberdeen, UK</i>	
Determination of Urban Growth by the Night-Time Images	7831
<i>Emre Yücer, Erzincan University, Turkey</i>	
<i>Arzu Erener, Kocaeli University, Turkey</i>	
Need for Rethinking Modern Urban Planning Strategies Through Integration of ICTs.....	7843
<i>Rounaq Basu, Indian Institute of Technology Bombay, India</i>	
<i>Arnab Jana, Indian Institute of Technology Bombay, India</i>	
Reconstructive Architectural and Urban Digital Modelling	7856
<i>Roberta Spallone, Politecnico di Torino, Italy</i>	
Regional Development and Air Freight Service Needs for Regional Communities.....	7869
<i>Tarryn Kille, Griffith University, Australia</i>	
<i>Paul Bates, University of Southern Queensland, Australia</i>	
<i>Patrick S. Murray, University of Southern Queensland, Australia</i>	

Category: Virtual Learning Environments

Creating Active Learning Spaces in Virtual Worlds.....	7880
<i>Reneta D. Lansiquot, City University of New York, USA</i>	
<i>Tamrah D. Cunningham, New York University, USA</i>	
<i>Zianne Cuff, City University of New York, USA</i>	
Developments in MOOC Technologies and Participation Since 2012	7888
<i>Jeremy Riel, University of Illinois at Chicago, USA</i>	
<i>Kimberly A. Lawless, University of Illinois at Chicago, USA</i>	
Massive Open Online Courses and Integrating Open Source Technology and Open Access Literature Into Technology-Based Degrees	7898
<i>Maurice Dawson, University of Missouri – St. Louis, USA</i>	
<i>Sharon Burton, Grand Canyon University, USA</i>	
<i>Dustin Bessette, National Graduate School of Quality Management, USA</i>	
<i>Jorja Wright, University of Charleston, USA</i>	
Open Source Software Virtual Learning Environment (OSS-VLEs) in Library Science Schools ...	7912
<i>Rosy Jan, University of Kashmir, India</i>	
Teacher Presence.....	7922
<i>Caroline M. Crawford, University of Houston – Clear Lake, USA</i>	
Virtual Worlds in the Educational Context.....	7935
<i>Felipe Becker Nunes, Federal University of Rio Grande do Sul, Brazil</i>	
<i>Fabrício Herpich, Federal University of Rio Grande do Sul, Brazil</i>	
<i>Leo Natan Paschoal, University of Cruz Alta, Brazil</i>	

Category: Web Technologies

Anger and Internet in Japan	7946
<i>Hiroko Endo, Risho University, Japan</i>	
<i>Kei Fuji, University of Tsukuba, Japan</i>	
Determine Democracy in Web Design	7956
<i>Rowena Li, Bayside High School Library, USA</i>	
Discussion Processes in Online Forums	7969
<i>Gaowei Chen, The University of Hong Kong, Hong Kong</i>	
<i>Ming M Chiu, The Education University of Hong Kong, Hong Kong</i>	
The Economics of Internetization.....	7980
<i>Constantine E. Passaris, University of New Brunswick, Canada</i>	

An Efficient and Effective Index Structure for Query Evaluation in Search Engines.....	7995
<i>Yangjun Chen, University of Winnipeg, Canada</i>	
Improving Usability of Website Design Using W3C Guidelines	8006
<i>G. Sreedhar, Rashtriya Sanskrit Vidyapeetha (Deemed University), India</i>	
Internet Phenomenon	8015
<i>Lars Konzack, University of Copenhagen, Denmark</i>	
An Overview of Crowdsourcing	8023
<i>Eman Younis, Minia University, Egypt</i>	
Revisiting Web 2.0	8036
<i>Michael Dinger, University of South Carolina Upstate, USA</i>	
<i>Varun Grover, Clemson University, USA</i>	
Search Engine Optimization	8046
<i>Dimitrios Giomelakis, Aristotle University of Thessaloniki, Greece</i>	
<i>Andreas A. Veglis, Aristotle University of Thessaloniki, Greece</i>	
Toward Trustworthy Web Services Coordination.....	8056
<i>Wenbing Zhao, Cleveland State University, USA</i>	
Usability of CAPTCHA in Online Communities and Its Link to User Satisfaction.....	8066
<i>Samar I. Swaid, Philander Smith College, USA</i>	
Visual Identity Design for Responsive Web	8079
<i>Sunghyun Ryoo Kang, Iowa State University, USA</i>	
<i>Debra Satterfield, California State University – Long Beach, USA</i>	
Web Site Mobilization Techniques	8087
<i>John Christopher Sandvig, Western Washington University, USA</i>	
What Accounts for the Differences in Internet Diffusion Rates Around the World?.....	8095
<i>Ravi Nath, Creighton University, USA</i>	
<i>Vasudeva Murthy, Creighton University, USA</i>	
About the Contributors	clxxii
Index.....	clxxiii

Table of Contents in Alphabetical Order

Volume I, pp. 1-808 · Volume II, pp. 809-1615 · Volume III, pp. 1616-2420 · Volume IV, pp. 2421-3236 · Volume V, pp. 3237-4037;
Volume VI, pp. 4038-4848 · Volume VII, pp. 4849-5668 · Volume VIII, pp. 5669-6475 · Volume IX, pp. 6476-7280 · Volume X, pp. 7281-8104

Acceptance of E-Reverse Auction From the Buyer Perspective.....	530
<i>Cigdem Altin Gumussoy, Istanbul Technical University, Turkey</i>	
<i>Bilal Gumussoy, Shell and Turcas Petrol Inc., Turkey</i>	
Accessibility in E-Government.....	3516
<i>Christian Sonnenberg, Florida Institute of Technology, USA</i>	
Adapting Big Data Ecosystem for Landscape of Real World Applications	326
<i>Jyotsna Talreja Wassan, University of Delhi, India</i>	
Adaptive Hypermedia in Education.....	2357
<i>Vehbi Turel, The University of Bingol, Turkey</i>	
Adaptive Hypermedia Systems.....	6424
<i>Ana Carolina Tomé Klock, Federal University of Rio Grande do Sul (UFRGS), Brazil</i>	
<i>Isabela Gasparini, Santa Catarina State University (UDESC), Brazil</i>	
<i>Marcelo Soares Pimenta, Federal University of Rio Grande do Sul (UFRGS), Brazil</i>	
<i>José Palazzo M. de Oliveira, Federal University of Rio Grande do Sul (UFRGS), Brazil</i>	
Adaptive Networks for On-Chip Communication	4549
<i>Mário Pereira Vestias, Instituto Politécnico de Lisboa, Portugal</i>	
Addressing Digital Competencies, Curriculum Development, and Instructional Design in Science Teacher Education.....	1420
<i>Isha DeCoito, Western University, Canada</i>	
Adolescents' Food Communication in Social Media:	6940
<i>Christopher Holmberg, University of Gothenburg, Sweden</i>	
Adopting Open Source Software in Smartphone Manufacturers' Open Innovation Strategy	7369
<i>Mohammad Nabil Almunawar, Universiti Brunei Darussalam, Brunei</i>	
<i>Muhammad Anshari, Universiti Brunei Darussalam, Brunei</i>	
<i>Heru Susanto, Indonesian Institute of Sciences, Indonesia & Tunghai University, Taiwan</i>	
The Adoption and Transformation of Capability Maturity Models in Government.....	3526
<i>Terry F. Buss, Carnegie Mellon University, Australia</i>	

Adoption and Use of Mobile Money Services in Nigeria.....	2724
<i>Olayinka David-West, Pan-Atlantic University, Nigeria</i>	
<i>Immanuel Ovemeso Umukoro, Pan-Atlantic University, Nigeria</i>	
<i>Omotayo Muritala, Pan-Atlantic University, Nigeria</i>	
Advanced ICT Methodologies (AIM) in the Construction Industry	539
<i>M. Reza Hosseini, Deakin University, Australia</i>	
<i>Saeed Banihashemi, University of Technology Sydney, Australia</i>	
<i>Fahimeh Zaeri, Auckland University of Technology, New Zealand</i>	
<i>Alireza Adibfar, University of Florida, USA</i>	
Advanced Model of Complex Information System	4391
<i>Miroslav Svitek, Czech Technical University in Prague, Czech Republic</i>	
Advanced Recommender Systems	1735
<i>Young Park, Bradley University, USA</i>	
Advancement and Application of Scientometric Indicators for Evaluation of Research Content....	6739
<i>Tazeem Zainab, University of Kashmir, India</i>	
<i>Zahid Ashraf Wani, University of Kashmir, India</i>	
Affect-Sensitive Computer Systems	4124
<i>Nik Thompson, Curtin University, Australia</i>	
<i>Tanya McGill, Murdoch University, Australia</i>	
<i>David Murray, Murdoch University, Australia</i>	
Agent-Based Social Networks	6950
<i>Federico Bergenti, Università degli Studi di Parma, Italy</i>	
<i>Agostino Poggi, Università degli Studi di Parma, Italy</i>	
<i>Michele Tomaiuolo, Università degli Studi di Parma, Italy</i>	
Amplifying the Significance of Systems Thinking in Organization.....	551
<i>Mambo Governor Mupepi, Grand Valley State University, USA</i>	
<i>Sylvia C. Mupepi, Grand Valley State University, USA</i>	
<i>Jaideep Motwani, Grand Valley State University, USA</i>	
Analysis and Assessment of Cross-Language Question Answering Systems	4471
<i>Juncal Gutiérrez-Artacho, University of Granada, Spain</i>	
<i>María-Dolores Olvera-Lobo, University of Granada, Spain</i>	
Analysis of Two Phases Queue With Vacations and Breakdowns Under T-Policy	1570
<i>Khalid Alnowibet, King Saud University, Saudi Arabia</i>	
<i>Lotfi Tadj, Fairleigh Dickinson University, Canada</i>	
Anger and Internet in Japan	7946
<i>Hiroko Endo, Ritsumeikan University, Japan</i>	
<i>Kei Fuji, University of Tsukuba, Japan</i>	

The Application of Crowdsourced Processes in a Business Environment	563
<i>Katarzyna Kopeć, Tischner European University, Poland</i>	
<i>Anna Szopa, Jagiellonian University, Poland</i>	
Application of Fuzzy Numbers to Assessment Processes	3215
<i>Michael Voskoglou, Graduate Technological Educational Institute (T.E.I.), Greece</i>	
Application of Gamification to Blended Learning in Higher Education	3238
<i>Kamini Jaipal-Jamani, Brock University, Canada</i>	
<i>Candace Figg, Brock University, Canada</i>	
Application of Geospatial Mashups in Web GIS for Tourism Development	3403
<i>Somnath Chaudhuri, Maldives National University, Maldives</i>	
<i>Nilanjan Ray, Adamas University, India</i>	
Application of Soft Set in Game Theory	3226
<i>B. K. Tripathy, VIT University, India</i>	
<i>Sooraj T. R., VIT University, India</i>	
<i>Radhakrishna N. Mohanty, VIT University, India</i>	
Applications of Artificial Neural Networks in Economics and Finance.....	6631
<i>Iva Mihaylova, University of St. Gallen, Switzerland</i>	
Applying Artificial Intelligence to Financial Investing.....	1
<i>Hayden Wimmer, Georgia Southern University, USA</i>	
<i>Roy Rada, University of Maryland – Baltimore County, USA</i>	
Apps as Assistive Technology	266
<i>Emily C. Bouck, Michigan State University, USA</i>	
<i>Sara M. Flanagan, University of Kentucky, USA</i>	
<i>Missy D. Cosby, Michigan State University, USA</i>	
Archaeological GIS for Land Use in South Etruria Urban Revolution in IX-VIII Centuries B.C....	3419
<i>Giuliano Pelfer, University of Florence, Italy</i>	
Architectural Framework for the Implementation of Information Technology Governance in Organisations	810
<i>Thami Batyashe, Cape Peninsula University of Technology, South Africa</i>	
<i>Tiko Iyamu, Cape Peninsula University of Technology, South Africa</i>	
Architecture as a Tool to Solve Business Planning Problems	573
<i>James McKee, Independent Researcher, Australia</i>	
Architecture of an Open-Source Real-Time Distributed Cyber Physical System.....	1227
<i>Stefano Scanzio, CNR-IEIIT, Italy</i>	

Are Social Marketing Investments Used as a Tool for Voluntary Reporting or Disclosure?	5737
<i>Tugba Ucma Uysal, Mugla Sitki Kocman University, Turkey</i>	
<i>Ganite Kurt, Gazi University, Turkey</i>	
<i>Ali Naci Karabulut, Mugla Sitki Kocman University, Turkey</i>	
 Artificial Ethics	88
<i>Laura L. Pană, Polytechnic University of Bucharest, Romania</i>	
 Artificial Intelligence	98
<i>Steven Walczak, University of South Florida, USA</i>	
 Artificial Intelligence Review	106
<i>Amal Kilani, University of Gabes Tunisia, Tunisia</i>	
<i>Ahmed Ben Hamida, University of Sfax, Tunisia</i>	
<i>Habib Hamam, University of Moncton, Canada</i>	
 Artificial Neural Networks.....	120
<i>Steven Walczak, University of South Florida, USA</i>	
 Artificial Neural Networks and Their Applications in Business.....	6642
<i>Trevor J. Bihl, Air Force Institute of Technology, USA</i>	
<i>William A. Young, Ohio University, USA</i>	
<i>Gary R. Weckman, Ohio University, USA</i>	
 Aspects of Various Community Detection Algorithms in Social Network Analysis	6961
<i>Nicole Belinda Dillen, St. Thomas' College of Engineering and Technology, India</i>	
<i>Aruna Chakraborty, St. Thomas' College of Engineering and Technology, India</i>	
 Assessing Computer-Aided Design Skills	7382
<i>Yi Lin Wong, The Hong Kong Polytechnic University, Hong Kong</i>	
<i>Kin Wai Michael Siu, The Hong Kong Polytechnic University, Hong Kong</i>	
 Assistive Technology and Human Capital for Workforce Diversity.....	277
<i>Ben Tran, Alliant International University, USA</i>	
 Assistive Technology for Supporting Communication, Occupation, and Leisure by Children With Severe to Profound Developmental Disabilities	287
<i>Fabrizio Stasolla, University of Bari, Italy</i>	
<i>Viviana Perilli, Lega del Filo d'Oro – Molfetta, Italy</i>	
<i>Adele Boccasini, Lega del Filo d'Oro – Termini Imerese, Italy</i>	
 Augmented Reality for Tourist Destination Image Formation	4031
<i>Azizul Hassan, Cardiff Metropolitan University, UK</i>	

Automatic Emotion Recognition Based on Non-Contact Gaits Information.....	132
<i>Jingying Wang, University of Chinese Academy of Sciences, China</i>	
<i>Baobin Li, University of Chinese Academy of Sciences, China</i>	
<i>Changye Zhu, University of Chinese Academy of Sciences, China</i>	
<i>Shun Li, University of Chinese Academy of Sciences, China</i>	
<i>Tingshao Zhu, University of Chinese Academy of Sciences, China</i>	
Automatic Item Generation.....	2369
<i>Mark Gierl, University of Alberta, Canada</i>	
<i>Hollis Lai, University of Alberta, Canada</i>	
<i>Xinxin Zhang, University of Alberta, Canada</i>	
Autonomic Cooperative Communications.....	6499
<i>Michał Wodczak, Samsung Electronics, Poland</i>	
Barcodes vs. RFID and Its Continued Success in Manufacturing and Services.....	5273
<i>Amber A. Smith-Ditizio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
Becoming Smart, Innovative, and Socially Responsible in Supply Chain Collaboration	5285
<i>Goknur Arzu Akyuz, University of Turkish Aeronautical Association, Turkey</i>	
<i>Guner Gursoy, Okan University, Turkey</i>	
Benchmarking Performance Indicators of Indian Rail Freight by DEA Approach	587
<i>Neeraj Bhanot, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India</i>	
<i>Harwinder Singh, Guru Nanak Dev Engineering College, India</i>	
Bi-Directional Business/IT Alignment	601
<i>Hashim Chunpir, German Climate Computing Centre (DKRZ), Germany</i>	
<i>Frederik Schulte, University of Hamburg, Germany</i>	
<i>Yannick Bartens, University of Hamburg, Germany</i>	
<i>Stefan D. Voß, University of Hamburg, Germany</i>	
Big Data Analysis and Mining.....	338
<i>Carson K. Leung, University of Manitoba, Canada</i>	
Big Data Analytics for Tourism Destinations.....	349
<i>Wolfram Höpken, University of Applied Sciences Ravensburg-Weingarten, Germany</i>	
<i>Matthias Fuchs, Mid-Sweden University, Sweden</i>	
<i>Maria Lexhagen, Mid-Sweden University, Sweden</i>	
Big Data and Simulations for the Solution of Controversies in Small Businesses.....	6907
<i>Milena Janakova, Silesian University in Opava, Czech Republic</i>	
Big Data, Knowledge, and Business Intelligence	943
<i>G. Scott Erickson, Ithaca College, USA</i>	
<i>Helen N. Rothberg, Marist College, USA</i>	

Big Data Time Series Stream Data Segmentation Methods	364
<i>Dima Alberg, Shamoon College of Engineering (SCE), Israel</i>	
Binary Decision Diagram Reliability for Multiple Robot Complex System	6825
<i>Hamed Fazlollahtabar, Sharif University of Technology, Iran & National Elites Foundation, Iran</i>	
<i>Seyed Taghi Akhavan Niaki, Sharif University of Technology, Iran</i>	
Biogeography-Based Optimization Applied to Wireless Communications Problems	5967
<i>Sotirios K. Goudos, Aristotle University of Thessaloniki, Greece</i>	
Bioinformatics.....	419
<i>Mark A. Ragan, The University of Queensland, Australia</i>	
A Bio-Inspired, Distributed Control Approach to the Design of Autonomous Cooperative Behaviors in Multiple Mobile Robot Systems	6836
<i>Gen'ichi Yasuda, Nagasaki Institute of Applied Science, Japan</i>	
Bioinspired Solutions for MEMS Tribology	431
<i>R. Arvind Singh, Kumaraguru College of Technology (KCT), India</i>	
<i>S. Jayalakshmi, Kumaraguru College of Technology (KCT), India</i>	
Bipolar Model in Collective Choice	7282
<i>Ayeley P. Tchangani, Université Féderale Toulouse Midi-Pyrénées, France</i>	
Board Games AI	144
<i>Tad Gonsalves, Sophia University, Japan</i>	
Boosting the Social Development of the Majority Through the Creation of a Wireless Knowledge Society.....	5015
<i>Danilo Piaggesi, Framericas, USA</i>	
Bridging Between Cyber Politics and Collective Dynamics of Social Movement.....	3538
<i>Kazuhiko Shibuya, ROIS, Japan</i>	
Building Gene Networks by Analyzing Gene Expression Profiles.....	440
<i>Crescenzo Gallo, University of Foggia, Italy</i>	
Business Intelligence	951
<i>Richard T. Herschel, Saint Joseph's University, USA</i>	
Business Intelligence Impacts on Design of Enterprise Systems	2932
<i>Saeed Rouhani, University of Tehran, Iran</i>	
<i>Dusanka Milorad Lecic, Levi9 Global Sourcing Balkan, Serbia</i>	
Business Model Innovation-Oriented Technology Management for Emergent Technologies	4560
<i>Sven Seidenstricker, Fraunhofer Institute for Industrial Engineering, Germany</i>	
<i>Ardilio Antonino, Fraunhofer Institute for Industrial Engineering, Germany</i>	

Business Sustainability Indices.....	609
<i>Arunasalam Sambhanthan, Curtin University, Australia</i>	
The Business Transformation Framework and Its Business Engineering Law Support for (e)Transactions.....	636
<i>Antoine Trad, Institute of Business and Information Systems Transformation Management, Switzerland</i>	
<i>Damir Kalpić, University of Zagreb, Croatia</i>	
The Business Transformation Framework for Managers in Transformation Projects	5607
<i>Antoine Trad, IBITSM, Switzerland</i>	
<i>Damir Kalpić, University of Zagreb, Croatia</i>	
The Business Transformation Framework, Agile Project and Change Management	620
<i>Antoine Trad, Institute of Business and Information Systems Transformation Management, Switzerland</i>	
<i>Damir Kalpić, University of Zagreb, Croatia</i>	
BYOD (Bring Your Own Device), Mobile Technology Providers, and Its Impacts on Business/ Education and Workplace/Learning Applications	5981
<i>Amber A. Smith-Ditizio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
Carbon Capture From Natural Gas via Polymeric Membranes	3043
<i>Nayef Mohamed Ghasem, UAE University, UAE</i>	
<i>Nihmiya Abdul Rahim, UAE University, UAE</i>	
<i>Mohamed Al-Marzouqi, UAE University, UAE</i>	
Cell Phone Conversation and Relative Crash Risk Update.....	5992
<i>Richard A. Young, Driving Safety Consulting, LLC, USA</i>	
Censorship in the Digital Age the World Over	7292
<i>Kari D. Weaver, University of South Carolina – Aiken, USA</i>	
Centrality Analysis of the United States Network Graph	1746
<i>Natarajan Meghanathan, Jackson State University, USA</i>	
Challenges and Implications of Health Literacy in Global Health Care	3734
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Challenges for Big Data Security and Privacy	373
<i>M. Govindarajan, Annamalai University, India</i>	
Challenges in Collecting Qualitative Data for Information Systems Studies	4480
<i>Tiko Iyamu, Cape Peninsula University of Technology, South Africa</i>	
<i>Irja Naambo Shaanika, Namibia University of Science and Technology, Namibia</i>	

Challenges in Developing Adaptive Educational Hypermedia Systems	2380
<i>Eileen O'Donnell, Trinity College Dublin, Ireland</i>	
<i>Liam O'Donnell, Dublin Institute of Technology, Ireland</i>	
Challenges of Meta Access Control Model Enforcement to an Increased Interoperability.....	651
<i>Sérgio Luís Guerreiro, University of Lisbon, Portugal</i>	
The Challenges of Teaching and Learning Software Programming to Novice Students.....	7392
<i>Seyed Reza Shahamiri, Manukau Institute of Technology, New Zealand</i>	
Change Leadership Styles and Behaviors in Academic Libraries	5194
<i>John Kennedy Lewis, Salve Regina University, USA</i>	
Changing Expectations of Academic Libraries	5204
<i>Jennifer Ashley Wright Joe, Western Kentucky University, USA</i>	
Chemistry Learning Through Designing Digital Games.....	3248
<i>Kamisah Osman, The National University of Malaysia, Malaysia</i>	
<i>Ah-Nam Lay, Institute of Teacher Education – Sultan Abdul Halim, Malaysia</i>	
Classification of Traffic Events Notified in Social Networks' Texts.....	6973
<i>Ana Maria Magdalena Saldana-Perez, Instituto Politecnico Nacional, Mexico</i>	
<i>Marco Antonio Moreno-Ibarra, Instituto Politécnico Nacional, Mexico</i>	
<i>Miguel Jesus Torres-Ruiz, Instituto Politécnico Nacional, Mexico</i>	
Climate Change as a Driving Force on Urban Energy Consumption Patterns	7815
<i>Mostafa Jafari, Agricultural Research Education and Extension Organization (AREEO), Iran</i>	
<i>Pete Smith, University of Aberdeen, UK</i>	
Clinical Use of Video Games.....	3260
<i>Ben Tran, Alliant International University, USA</i>	
Clique Size and Centrality Metrics for Analysis of Real-World Network Graphs.....	6507
<i>Natarajan Meghanathan, Jackson State University, USA</i>	
Cloud Computing.....	1026
<i>Eduardo Correia, Christchurch Polytechnic Institute of Technology (CPIT), New Zealand</i>	
Cloud Governance at the Local Communities	1033
<i>Vasileios Yfantis, Ionian University, Greece</i>	
Clouds of Quantum Machines	1040
<i>Nilo Sylvio Serpa, Universidade Paulista, Brazil</i>	
Cognitive and Psychological Factors in Cross-Language Information Retrieval	4490
<i>Rowena Li, Bayside High School Library, USA</i>	

Cognitive Ergonomics in 2016	662
<i>Ronald John Lofaro, Embry-Riddle Aeronautical University, USA</i>	
Cognitive Mapping in Support of Intelligent Information Systems	4570
<i>Akbar Esfahanipour, Amirkabir University of Technology, Iran</i>	
<i>Ali Reza Montazemi, McMaster University, Canada</i>	
Cognitive Process Elements of People Decision-Making.....	2076
<i>Thais Spiegel, Rio de Janeiro State University, Brazil</i>	
Comb Filters Characteristics and Current Applications	6007
<i>Miriam Guadalupe Cruz-Jimenez, Institute INAOE, Mexico</i>	
<i>David Ernesto Troncoso Romero, CONACYT at ESCOM-IPN, Mexico</i>	
<i>Gordana Jovanovic Dolecek, Institute INAOE, Mexico</i>	
Communication, Information, and Pragmatics	1186
<i>Adriana Braga, Pontifical Catholic University of Rio de Janeiro, Brazil</i>	
<i>Robert K. Logan, University of Toronto, Canada</i>	
Communication Privacy Management and Mediated Communication	6985
<i>Debra L. Worthington, Auburn University, USA</i>	
<i>Margaret Fitch-Hauser, Auburn University, USA</i>	
Communities of Practice as a Source of Open Innovation	5027
<i>Diane-Gabrielle Tremblay, University of Quebec, Canada</i>	
Community Broadband Networks and the Opportunity for E-Government Services	3549
<i>Idongesit Williams, Aalborg University, Denmark</i>	
Community Outreach.....	6685
<i>Loriene Roy, The University of Texas at Austin, USA</i>	
<i>Antonia Frydman, The University of Texas at Austin, USA</i>	
Community Science and Technology and Its Meaning to Potential Requirement.....	7201
<i>P. K. Paul, Raiganj University, India</i>	
<i>A. Bhuiyani, Raiganj University, India</i>	
Comprehensible Explanation of Predictive Models.....	2085
<i>Marko Robnik-Šikonja, University of Ljubljana, Slovenia</i>	
Comprehensive E-Learning Appraisal System.....	5787
<i>Jose Luis Monroy Anton, La Ribera University Hospital, Spain</i>	
<i>Juan Vicente Izquierdo Soriano, La Ribera University Hospital, Spain</i>	
<i>Maria Isabel Asensio Martinez, La Ribera University Hospital, Spain</i>	
<i>Felix Buendia Garcia, Polytechnical University of Valencia, Spain</i>	

Computational Intelligence Approaches to Computational Aesthetics	156
<i>Erandi Lakshika, University of New South Wales, Australia</i>	
<i>Michael Barlow, University of New South Wales, Australia</i>	
Computational Thinking in Innovative Computational Environments and Coding	2392
<i>Alberto Ferrari, University of Parma, Italy</i>	
<i>Agostino Poggi, University of Parma, Italy</i>	
<i>Michele Tomaioulo, University of Parma., Italy</i>	
Computer Agent Technologies in Collaborative Learning and Assessment.....	2402
<i>Yigal Rosen, Harvard University, USA</i>	
Computer-Assisted Indian Matrimonial Services	4136
<i>Robert Leslie Fisher, Independent Researcher, USA</i>	
Computer-Assisted Parallel Program Generation	4583
<i>Shigeo Kawata, Utsunomiya University, Japan</i>	
Computer Fraud Challenges and Its Legal Implications.....	4837
<i>Amber A. Smith-Ditzio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
Computer Information Library Clusters	4399
<i>Fu Yuhua, CNOOC Research Institute, China</i>	
Computing Technologies and Science Fiction Cinema	3349
<i>Rocío Carrasco-Carrasco, University of Huelva, Spain</i>	
Concept and Practices of Cyber Supply Chain in Manufacturing Context.....	5306
<i>Anisha Banu Dawood Gani, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
The Concept of Modularity in the Context of IS Project Outsourcing	5317
<i>Shahzada Benazeer, University of Antwerp, Belgium</i>	
<i>Philip Huysmans, University of Antwerp, Belgium</i>	
<i>Peter De Bruyn, University of Antwerp, Belgium</i>	
<i>Jan Verelst, University of Antwerp, Belgium</i>	
The Concept of the Shapley Value and the Cost Allocation Between Cooperating Participants	2095
<i>Alexander Kolker, GE Healthcare, USA</i>	
Concerns and Challenges of Cloud Platforms for Bioinformatics.....	455
<i>Nicoletta Dessì, Università degli Studi di Cagliari, Italy</i>	
<i>Barbara Pes, Università degli Studi di Cagliari, Italy</i>	
Consistency Is Not Enough in Byzantine Fault Tolerance	1238
<i>Wenbing Zhao, Cleveland State University, USA</i>	

Constrained Nonlinear Optimization in Information Science.....	4594
<i>William P. Fox, Naval Postgraduate School, USA</i>	
Constructing Preservice Teachers' Knowledge of Technology Integration.....	7623
<i>Kathleen A. Paciga, Columbia College Chicago, USA</i>	
<i>Angela Fowler, Erikson Institute, USA</i>	
<i>Mary Quest, Erikson Institute, USA</i>	
Consumer Adoption of PC-Based/Mobile-Based Electronic Word-of-Mouth.....	6019
<i>Akinori Ono, Keio University, Japan</i>	
<i>Mai Kikumori, Ritsumeikan University, Japan</i>	
Contemporary Leadership Development in Kazakhstan	5626
<i>Gainiya Tazhina, University of International Business, Kazakhstan</i>	
<i>Judith Parker, Teachers College, Columbia University, USA</i>	
<i>Arslan Ivashov, Kazakh Ablai Khan University of International Relations and World Languages, USA</i>	
Context-Aware Approach for Restaurant Recommender Systems.....	1757
<i>Haoxian Feng, University of Ottawa, Canada</i>	
<i>Thomas Tran, University of Ottawa, Canada</i>	
Context-Aware Personalization for Mobile Services	6031
<i>Abayomi Moradeyo Otebolaku, Liverpool John Moores University, UK</i>	
<i>Maria Teresa Andrade, University of Porto, Portugal</i>	
Continuous Assurance and the Use of Technology for Business Compliance	820
<i>Rui Pedro Figueiredo Marques, Universidade de Aveiro, Portugal</i>	
Corporate Disclosure Measurement.....	1896
<i>Md. Salah Uddin Rajib, Jahangirnagar University, Bangladesh</i>	
<i>Md. Qutub Uddin Sajib, China University of Geosciences (CUG), China</i>	
Corporate Social Responsibility	671
<i>Ben Tran, Alliant International University, USA</i>	
Cost-Effective 3D Stereo Visualization for Creative Learning.....	2411
<i>R. S. Kamath, Chatrapati Shahu Institute of Business Education and Research, India</i>	
<i>R. K. Kamat, Shivaji University, India</i>	
Cost Estimation and Security Investment of Security Projects.....	4849
<i>Yosra Miaoui, University of Carthage, Tunisia</i>	
<i>Boutheina Fessi, University of Carthage, Tunisia</i>	
<i>Noureddine Boudriga, University of Carthage, Tunisia</i>	

Cost Evaluation of Synchronization Algorithms for Multicore Architectures	3989
<i>Masoud Hemmatpour, Politecnico di Torino, Italy</i>	
<i>Renato Ferrero, Politecnico di Torino, Italy</i>	
<i>Filippo Gandino, Politecnico di Torino, Italy</i>	
<i>Bartolomeo Montruccchio, Politecnico di Torino, Italy</i>	
<i>Maurizio Rebaudengo, Politecnico di Torino, Italy</i>	
Could Educational Technology Replace Traditional Schools in the Future?	2421
<i>John K. Hope, University of Auckland, New Zealand</i>	
Creating Active Learning Spaces in Virtual Worlds.....	7880
<i>Reneta D. Lansiquot, City University of New York, USA</i>	
<i>Tamrah D. Cunningham, New York University, USA</i>	
<i>Zianne Cuff, City University of New York, USA</i>	
Creative Collaborative Virtual Environments.....	4146
<i>Luís Eustáquio, Universidade do Porto, Portugal</i>	
<i>Catarina Carneiro de Sousa, Polytechnic Institute of Viseu, Portugal</i>	
Crisis Response and Management	1396
<i>Sergey V. Zykov, National Research University Higher School of Economics, Russia</i>	
A Critical Overview of Image Segmentation Techniques Based on Transition Region.....	1308
<i>Yu-Jin Zhang, Tsinghua University, China</i>	
Critical Success Factors in E-Democracy Implementation	3561
<i>Aderonke A. Oni, Covenant University, Nigeria</i>	
<i>Adekunle O. Okunoye, Xavier University, USA</i>	
Cuckoo Search Algorithm for Solving Real Industrial Multi-Objective Scheduling Problems	4369
<i>Mariappan Kadarkarainadar Marichelvam, Mepco Schlenk Engineering College, India</i>	
<i>Mariappan Geetha, Kamaraj College of Engineering and Technology, India</i>	
Current Scenario of Youth Entrepreneurship in India	2989
<i>Neeta Baporikar, Namibia University of Science and Technology, Namibia & University of Pune, India</i>	
Customer Lifetime Value	1584
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Cyber Behaviors in Seeking Health Information.....	3745
<i>Xiaojun (Jenny) Yuan, University of Albany, USA</i>	
<i>José A. Pino, Universidad de Chile, Chile</i>	
Cyber Bullying.....	1695
<i>Jo Ann Oravec, University of Wisconsin – Whitewater, USA</i>	

Cyberbullying	4157
<i>Gilberto Marzano, Rezekne Academy of Technologies, Latvia</i>	
Cyberbullying Among Malaysian Children Based on Research Evidence.....	1704
<i>Sarina Yusuf, Universiti Putra Malaysia, Malaysia</i>	
<i>Md. Salleh Hj. Hassan, Universiti Putra Malaysia, Malaysia</i>	
<i>Adamkolo Mohammed Mohammed Ibrahim, Universiti Putra Malaysia, Malaysia & University of Maiduguri, Nigeria</i>	
Cyberinfrastructure, Cloud Computing, Science Gateways, Visualization, and Cyberinfrastructure Ease of Use	1063
<i>Craig A. Stewart, Indiana University, USA</i>	
<i>Richard Knepper, Indiana University, USA</i>	
<i>Matthew R. Link, Indiana University, USA</i>	
<i>Marlon Pierce, Indiana University, USA</i>	
<i>Eric Wernert, Indiana University, USA</i>	
<i>Nancy Wilkins-Diehr, San Diego Supercomputer Center, USA</i>	
Cyberloafing and Constructive Recreation	4316
<i>Jo Ann Oravec, University of Wisconsin – Whitewater, USA</i>	
Cyber Security Protection for Online Gaming Applications	1647
<i>Wenbing Zhao, Cleveland State University, USA</i>	
Database Techniques for New Hardware	1947
<i>Xiongpai Qin, Renmin University of China, China</i>	
<i>Yueguo Chen, Renmin University of China, China</i>	
Data-Centric Benchmarking	1772
<i>Jérôme Darmont, Université de Lyon, Lyon 2, ERIC EA3083, France</i>	
Data Journalism	1196
<i>Andreas A. Veglis, Aristotle University of Thessaloniki, Greece</i>	
<i>Charalampos P. Bratsas, Aristotle University of Thessaloniki, Greece</i>	
Data Linkage Discovery Applications	1783
<i>Richard S. Segall, Arkansas State University, USA</i>	
<i>Shen Lu, University of South Florida, USA</i>	
Data Mining and Knowledge Discovery in Databases.....	1907
<i>Ana Azevedo, Polytechnic Institute of Porto, Portugal</i>	
Data Mining and the KDD Process.....	1919
<i>Ana Funes, Universidad Nacional de San Luis, Argentina</i>	
<i>Aristides Dasso, Universidad Nacional de San Luis, Argentina</i>	

Data Mining to Identify Project Management Strategies in Learning Environments.....	1934
<i>Ana González-Marcos, Universidad de La Rioja, Spain</i>	
<i>Joaquín Ordieres-Meré, Universidad Politécnica de Madrid, Spain</i>	
<i>Fernando Alba-Elías, Universidad de La Rioja, Spain</i>	
Data Visualization Strategies for Computer Simulation in Bioelectromagnetics	1249
<i>Akram Gasmelseed, Qassim University, Saudi Arabia</i>	
<i>Ali H. Alharbi, Qassim University, Saudi Arabia</i>	
Decimal Hardware Multiplier	4607
<i>Mário Pereira Vestias, INESC-ID/ISEL/IPL, Portugal</i>	
Decision Filed Theory	2108
<i>Lan Shao, University of Oulu, Finland</i>	
<i>Jouni Markkula, University of Oulu, Finland</i>	
Defining and Characterising the Landscape of eHealth.....	5864
<i>Yvonne O'Connor, University College Cork, Ireland</i>	
<i>Ciara Heavin, University College Cork, Ireland</i>	
Defining and Conceptualizing Cyberbullying	4168
<i>Karin Spenser, Nottingham Trent University, UK</i>	
<i>Lucy R. Betts, Nottingham Trent University, UK</i>	
Deployment of Enterprise Architecture From the Activity Theory Perspective	2943
<i>Tiko Iyamu, Cape Peninsula University of Technology, South Africa</i>	
<i>Irja Naambo Shaanika, Namibia University of Science and Technology – Windhoek, Namibia</i>	
Designing Engaging Instruction for the Adult Learners.....	1432
<i>Karen Swanson, Mercer University, USA</i>	
<i>Geri Collins, Mercer University, USA</i>	
Design, Manufacture, and Selection of Ankle-Foot-Orthoses.....	298
<i>Hasan Kemal Surmen, Istanbul University, Turkey</i>	
<i>Nazif Ekin Akalan, Istanbul University, Turkey</i>	
<i>Yunus Ziya Arslan, Istanbul Univesity, Turkey</i>	
Design of Compensators for Comb Decimation Filters.....	6043
<i>Gordana Jovanovic Dolecek, Institute INAOE Puebla, Mexico</i>	
Destination @-Branding of Ten European Capitals Through the Institutional Stems and Commercial Logos.....	4038
<i>Elena Bocci, Sapienza University of Rome, Italy</i>	
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
<i>Laura Dryjanska, Sapienza University of Rome, Italy</i>	

Determination of Urban Growth by the Night-Time Images	7831
<i>Emre Yücer, Erzincan University, Turkey</i>	
<i>Arzu Erener, Kocaeli University, Turkey</i>	
Determine Democracy in Web Design	7956
<i>Rowena Li, Bayside High School Library, USA</i>	
Determining Impact of Demographics on Perceived Service Quality in Online Retail	2882
<i>Prateek Kalia, I. K. Gujral Punjab Technical University, India</i>	
<i>Penny Law, Regenesys Business School, South Africa</i>	
<i>Richa Arora, Regenesys Institute of Management, India</i>	
Developing a Glossary for Software Projects	7399
<i>Tamer Abdou, Suez Canal University, Egypt</i>	
<i>Pankaj Kamthan, Concordia University, Canada</i>	
<i>Nazlie Shahmir, WestJet Airlines Limited, Canada</i>	
Developing Creativity and Learning Design by Information and Communication Technology (ICT) in Developing Contexts.....	4178
<i>Chunfang Zhou, Aalborg University, Denmark</i>	
<i>Aparna Purushothaman, Aalborg University, Denmark</i>	
Developing Global Supply Chain Manager for Business Expansion.....	5327
<i>Puspita Wulansari, Telkom University, Indonesia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Development of Communication Skills through Auditory Training Software in Special Education	2431
<i>Eduardo C. Contreras, Autonomous University of Coahuila, Mexico</i>	
<i>Isis I. Contreras, Saltillo Institute of Technology, Mexico</i>	
Development of Image Engineering in the Last 20 Years	1319
<i>Yu-Jin Zhang, Tsinghua University, China</i>	
Development of Personal Information Privacy Concerns Evaluation	4862
<i>Anna Rohunen, University of Oulu, Finland</i>	
<i>Jouni Markkula, University of Oulu, Finland</i>	
Developments in MOOC Technologies and Participation Since 2012.....	7888
<i>Jeremy Riel, University of Illinois at Chicago, USA</i>	
<i>Kimberly A. Lawless, University of Illinois at Chicago, USA</i>	
Digital Animation for Representing Architectural Design	973
<i>Roberta Spallone, Politecnico di Torino, Italy</i>	

Digital Archives for Preserving and Communicating Architectural Drawings	5213
<i>Roberta Spallone, Politecnico di Torino, Italy</i>	
<i>Francesca Paluan, Politecnico di Torino, Italy</i>	
Digital Divide	4619
<i>Patrick Flanagan, St. John's University, USA</i>	
Digital Literacy	2225
<i>Anirban Ray, UNC Wilmington, USA</i>	
Digital Literacy for the 21st Century	2235
<i>Hiller A. Spires, North Carolina State University, USA</i>	
<i>Casey Medlock Paul, North Carolina State University, USA</i>	
<i>Shea N. Kerkhoff, North Carolina State University, USA</i>	
Digital Literacy in Theory and Practice.....	2243
<i>Heidi Julien, State University of New York at Buffalo, USA</i>	
Digital Storytelling in Language Classes.....	2442
<i>Mehrak Rahimi, Shahid Rajaee Teacher Training University, Iran</i>	
Digital Transformation Journeys in a Digitized Reality	682
<i>Jurgen Janssens, QSpin, Belgium</i>	
Digital Video Watermarking Using Diverse Watermarking Schemes.....	4872
<i>Yash Gupta, Maulana Abul Kalam Azad University of Technology, India</i>	
<i>Shaila Agrawal, Maulana Abul Kalam Azad University of Technology, India</i>	
<i>Susmit Sengupta, Maulana Abul Kalam Azad University of Technology, India</i>	
<i>Aruna Chakraborty, Maulana Abul Kalam Azad University of Technology, India</i>	
A Disability-Aware Mentality to Information Systems Design and Development.....	314
<i>Julius T. Nganji, University of Ottawa, Canada</i>	
Discrete Event Simulation in Inventory Management.....	5335
<i>Linh Nguyen Khanh Duong, Auckland University of Technology, New Zealand</i>	
<i>Lincoln C. Wood, University of Otago, New Zealand & Curtin University, Australia</i>	
Discussion Processes in Online Forums	7969
<i>Gaowei Chen, The University of Hong Kong, Hong Kong</i>	
<i>Ming M Chiu, The Education University of Hong Kong, Hong Kong</i>	
Displaying Hidden Information in Glossaries	7411
<i>Marcela Rida, Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina</i>	
<i>Jorge Horacio Doorn, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza, Argentina</i>	

Distance Teaching and Learning Platforms	2455
<i>Linda D. Grooms, Regent University, USA</i>	
Distributed Methods for Multi-Sink Wireless Sensor Networks Formation	6522
<i>Miriam A. Carlos-Mancilla, CINVESTAV Unidad Guadalajara, Mexico</i>	
<i>Ernesto Lopez-Mellado, CINVESTAV Unidad Guadalajara, Mexico</i>	
<i>Mario Siller, CINVESTAV Unidad Guadalajara, Mexico</i>	
Distributed Parameter Systems Control and Its Applications to Financial Engineering	15
<i>Gerasimos Rigatos, Industrial Systems Institute, Greece</i>	
<i>Pierluigi Siano, University of Salerno, Italy</i>	
Does Inter-Bank Investments Restraints Financing Performance of Islamic Banks?.....	36
<i>Mohammad Taqiuddin Mohamad, University of Malaya, Malaysia</i>	
<i>Munazza Saeed, University of Malaya, Malaysia</i>	
Dotted Raster-Stereography	166
<i>Muhammad Wasim, Usman Institute of Technology, Pakistan</i>	
<i>Fauzan Saeed, Usman Institute of Technology, Pakistan</i>	
<i>Abdul Aziz, Usman Institute of Technology, Pakistan</i>	
<i>Adnan Ahmed Siddiqui, Hamdard University, Pakistan</i>	
Do Usability Design Features of a Mobile Game Influence Learning?.....	2466
<i>Rex Perez Bringula, University of the East, Philippines</i>	
<i>Edison Cabrera, University of the East, Philippines</i>	
<i>Princess B. Calmerin, University of the East, Philippines</i>	
<i>Eduardo A. Lao, University of the East, Philippines</i>	
<i>Christian Gerard Sembrano, University of the East, Philippines</i>	
<i>Angelita D. Guia, University of the East, Philippines</i>	
<i>Joan P. Lazaro, University of the East, Philippines</i>	
<i>Alexis John M. Rubio, University of the East, Philippines</i>	
<i>Annaliza E. Catacutan, National University, Philippines</i>	
<i>Marilou N. Jamis, National University, Philippines</i>	
<i>Lalaine P. Abad, Department of Education, Philippines</i>	
The Dual Nature of Participatory Web and How Misinformation Seemingly Travels	6993
<i>Sameer Kumar, University of Malaya, Malaysia</i>	
Dynamic Situational Adaptation of a Requirements Engineering Process.....	7422
<i>Graciela Dora Susana Hadad, Universidad Nacional del Oeste, Argentina & Universidad de Belgrano, Argentina</i>	
<i>Jorge Horacio Doorn, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza, Argentina</i>	
<i>Viviana Alejandra Ledesma, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza. Argentina</i>	

E-Activism Development and Growth	3569
<i>John G. McNutt, University of Delaware, USA</i>	
<i>Lauri Goldkind, Fordham University, USA</i>	
E-Business and Big Data Strategy in Franchising	2686
<i>Ye-Sho Chen, Louisiana State University, USA</i>	
E-Business Supply Chains Drivers, Metrics, and ERP Integration	5345
<i>Jean C. Essila, Northern Michigan University, USA</i>	
E-Collaborative Learning (e-CL).....	6336
<i>Alexandros Xafopoulos, University College London, UK</i>	
Ecological Performance as a New Metric to Measure Green Supply Chain Practices	5357
<i>June Poh Kim Tam, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
E-Commerce in Logistics and Supply Chain Management	5367
<i>Yasanur Kayikci, Turkish-German University, Turkey</i>	
E-Commerce Models, Players, and Its Future	2739
<i>Liguo Yu, Indiana University – South Bend, USA</i>	
The Economics of Internetization.....	7980
<i>Constantine E. Passaris, University of New Brunswick, Canada</i>	
Educational Ontology Development.....	1441
<i>Galip Kaya, Havelsan Inc., Turkey</i>	
<i>Arif Altun, Hacettepe University, Turkey</i>	
Educational Serious Games Design.....	3287
<i>Ilias Karasavvidis, University of Thessaly, Greece</i>	
Educational Technology and Intellectual Property	2477
<i>Lesley S. J. Farmer, California State University – Long Beach, USA</i>	
Effective Cultural Communication via Information and Communication Technologies and Social Media Use	7002
<i>Androniki Kavoura, Technological Educational Institute of Athens, Greece</i>	
<i>Stella Sylaiou, Aristotle University of Thessaloniki, Greece</i>	
Effectively Communicating With Group Decision Support Systems Using Information Theory....	2121
<i>Jamie S. Switzer, Colorado State University, USA</i>	
<i>Ralph V. Switzer, Colorado State University, USA</i>	
Effectiveness of Teacher Training in Using Latest Technologies.....	7635
<i>Revathi Viswanathan, B. S. Abdur Rahman University, India</i>	

The Effect of Innovative Communication Technologies in Higher Education	3827
<i>Stavros Kiriakidis, University of Crete, Greece</i>	
<i>Efstathios Kefallonitis, State University of New York at Oswego, USA</i>	
<i>Androniki Kavoura, Technological Educational Institute of Athens, Greece</i>	
 The Effect of Social Media Networking in the Travel Industry.....	4052
<i>Androniki Kavoura, Technological Educational Institute of Athens, Greece</i>	
<i>Efstathios Kefallonitis, State University of New York at Oswego, USA</i>	
 An Efficient and Effective Index Structure for Query Evaluation in Search Engines.....	7995
<i>Yangjun Chen, University of Winnipeg, Canada</i>	
 Efficient Optimization Using Metaheuristics.....	7693
<i>Sergio Nesmachnow, Universidad de la Republica, Uruguay</i>	
 E-Government Service Adoption and the Impact of Privacy and Trust	3579
<i>Mehree Iqbal, North South University, Bangladesh</i>	
<i>Nabila Nisha, North South University, Bangladesh</i>	
<i>Afrin Rifat, North South University, Bangladesh</i>	
 Eight Tips for the Theme, “Data and Forecasts”	4629
<i>Alessio Drivet, GeoGebra Institute of Torino, Italy</i>	
 Electronic Health Record (EHR) Diffusion and an Examination of Physician Resistance	3678
<i>Kristen MacIver, Northern Michigan University, USA</i>	
<i>Madison N. Ngafeso, Northern Michigan University, USA</i>	
 Electronic Payment Frameworks	2749
<i>Antonio Ruiz-Martinez, University of Murcia, Spain</i>	
<i>Oussama Tounekti, University of Murcia, Spain</i>	
<i>Antonio F. Skarmeta, University of Murcia, Spain</i>	
 Electronic Theses and Dissertations (ETDs)	6748
<i>Ralph Hartsock, University of North Texas, USA</i>	
<i>Daniel G. Alemneh, University of North Texas, USA</i>	
 An Empirical Study of Mobile/Handheld App Development Using Android Platforms	6057
<i>Wen-Chen Hu, University of North Dakota, USA</i>	
<i>Naima Kaabouch, University of North Dakota, USA</i>	
<i>Hung-Jen Yang, National Kaohsiung Normal University, Taiwan</i>	
 Empirical Verification of the Performance Measurement System.....	5638
<i>Aleksander Janeš, University of Primorska, Slovenia</i>	
 Employing Educational Robotics for the Development of Problem-Based Learning Skills	2492
<i>Nikleia Eteokleous, Frederick University Cyprus, Cyprus</i>	

Encouraging Digital Literacy and ICT Competency in the Information Age.....	2253
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Energy Conservation in the Era of Ubiquitous Computing	7745
<i>P. P. Abdul Haleem, Farook College, India</i>	
Enhancing the Mobile User Experience Through Colored Contrasts.....	6070
<i>Jean-Éric Pelet, ESCE International Business School, France</i>	
<i>Basma Taieb, University of Cergy Pontoise, France</i>	
Enhancing the Resiliency of Smart Grid Monitoring and Control	3056
<i>Wenbing Zhao, Cleveland State University, USA</i>	
Ensemble Clustering Data Mining and Databases.....	1962
<i>Slawomir T. Wierzchon, Polish Academy of Sciences, Poland</i>	
Enterprise Interoperability	2773
<i>Ejub Kajan, State University of Novi Pazar, Serbia</i>	
Entrepreneurship	2998
<i>Mehmet Eymen Eryilmaz, Uludağ University, Turkey</i>	
Entrepreneurship as the Vantage Point	3009
<i>Madhu Kishore Raghunath Raghunath Kamakula, GVP College of Engineering (Autonomous), India</i>	
<i>Chandra Sekhar Patro, GVP College of Engineering (Autonomous), India</i>	
Entrepreneurship Concept, Theories, and New Approaches	3020
<i>José Manuel Saiz-Alvarez, Tecnologico de Monterrey, Mexico</i>	
<i>Martín García-Vaquero, Nebrija University, Spain</i>	
Ergonomic Design of a Driver Training Simulator for Rural India.....	1260
<i>Prabir Mukhopadhyay, Indian Institute of Information Technology Design and Manufacturing Jabalpur, India</i>	
<i>Vipul Vinzuda, National Institute of Design Gandhinagar, India</i>	
ERP Systems Benefit Realization and the Role of ERP-Enabled Application Integration.....	2953
<i>Joseph K. Nwankpa, Miami University, USA</i>	
An Essay on Denotational Mathematics	7704
<i>Giuseppe Iurato, University of Palermo, Italy</i>	
Ethical Ambiguities in the Privacy Policies of Mobile Health and Fitness Applications	6083
<i>Devjani Sen, University of Ottawa, Canada</i>	
<i>Rukhsana Ahmed, University of Ottawa, Canada</i>	

Ethical Computing Continues From Problem to Solution	4884
<i>Wanbil William Lee, The Computer Ethics Society, Hong Kong & Wanbil & Associates, Hong Kong</i>	
Evaluative Dimensions of Urban Tourism in Capital Cities by First-Time Visitors	4064
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
<i>Laura Dryjanska, Sapienza University of Rome, Italy</i>	
<i>Elena Bocci, Sapienza University of Rome, Italy</i>	
Evolutionary Algorithms for Global Decision Tree Induction	2132
<i>Marek Kretowski, Bialystok University of Technology, Poland</i>	
<i>Marcin Czajkowski, Bialystok University of Technology, Poland</i>	
E-Waste, Chemical Toxicity, and Legislation in India.....	3066
<i>Prashant Mehta, National Law University Jodhpur, India</i>	
Existential Aspects of the Development E-Culture	4189
<i>Liudmila Vladimirovna Baeva, Astrakhan State University, Russia</i>	
Experiences of Implementing a Large-Scale Blended, Flipped Learning Project.....	3839
<i>Hazel Owen, Ethos Consultancy NZ, New Zealand</i>	
<i>Nicola Dunham, Massey University, New Zealand</i>	
Explaining and Predicting Users' Continuance Usage Intention Toward E-Filing Utilizing Technology Continuance Theory	831
<i>Santhanamery T., Universiti Teknologi MARA, Malaysia</i>	
<i>T. Ramayah, University Sains Malaysia, Malaysia</i>	
Exploratory Data Analysis on Breast Cancer Prognosis.....	1794
<i>Mohammad Mehdi Owrang O., American University, USA</i>	
<i>Yasmine M. Kanaan, Howard University, USA</i>	
<i>Robert L. Copeland Jr., Howard University, USA</i>	
<i>Melvin Gaskins, Howard University Hospital, USA</i>	
<i>Robert L. DeWitty Jr., Providence Hospital, USA</i>	
Exploring Drivers of Closed Loop Supply Chain in Malaysian Automotive Industry	5378
<i>Fadzlina Mohd Fadzil, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Exploring "Hacking," Digital Public Art, and Implication for Contemporary Governance.....	6695
<i>Amadu Wurie Khan, University of Edinburgh, UK</i>	
<i>Chris Speed, University of Edinburgh, UK</i>	
Exploring New Handwriting Parameters for Writer Identification.....	4643
<i>Verónica Inés Aubin, Universidad Nacional de La Matanza, Argentina</i>	
<i>Jorge Horacio Doorn, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza, Argentina</i>	

Exploring the Growth of Wireless Communications Systems and Challenges Facing 4G Networks	6094
<i>Amber A. Smith-Ditzio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
Exploring Tourism Cluster in the Peripheral Mountain Area Based on GIS Mapping.....	3434
<i>Ya-Hui Hsueh, National Taichung University of Education, Taiwan</i>	
<i>Huey-Wen Chuang, National Taichung University of Education, Taiwan</i>	
<i>Wan-Chiang Hsieh, National Taichung Girls' Senior High School, Taiwan</i>	
Exposure to Video Games and Decision Making	3296
<i>Giuseppe Curcio, University of L'Aquila, Italy</i>	
<i>Sara Peracchia, University of L'Aquila, Italy</i>	
An Extension to the Delone and Mclean Information Systems Success Model and Validation in the Internet Banking Context	49
<i>Veeraraghavan Jagannathan, National Institute of Technology, India</i>	
<i>Senthilarasu Balasubramanian, National Institute of Technology, India</i>	
<i>Thamaraiselvan Natarajan, National Institute of Technology, India</i>	
Facilitating Customer Relationship Management in Modern Business.....	1594
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Facilitating Interaction Between Virtual Agents Through Negotiation Over Ontological Representation.....	2697
<i>Fiona McNeill, Heriot-Watt University, UK</i>	
Factors Contributing to the Effectiveness of Online Students and Instructors	1451
<i>Michelle Kilburn, Southeast Missouri State University, USA</i>	
<i>Martha Henckell, Southeast Missouri State University, USA</i>	
<i>David Starrett, Columbia College, USA</i>	
Factors Determining E-Shopping Compliance by Nigerians.....	2761
<i>Adamkolo Mohammed Mohammed Ibrahim, University of Maiduguri, Nigeria</i>	
<i>Md. Salleh Hj. Hassan, Universiti Putra Malaysia, Malaysia</i>	
<i>Sarina Yusuf, Universiti Putra Malaysia, Malaysia</i>	
A Family Review of Parameter-Learning Models and Algorithms for Making Actionable Decisions.....	2142
<i>Chun-Kit Ngan, The Pennsylvania State University, USA</i>	
A Fast and Space-Economical Algorithm for the Tree Inclusion Problem	4502
<i>Yangjun Chen, University of Winnipeg, Canada</i>	
<i>Yibin Chen, University of Winnipeg, Canada</i>	

Fault Tolerant Cloud Systems.....	1075
<i>Sathish Kumar, VIT University, India</i>	
<i>Balamurugan B, VIT University, India</i>	
Fault Tolerant Data Management for Cloud Services.....	1091
<i>Wenbing Zhao, Cleveland State University, USA</i>	
Fifty Shades of Dark Stories	4077
<i>Lea Kuznik, University of Maribor, Slovenia</i>	
Financial Inclusion, Content, and Information Technologies in Latin America.....	7214
<i>Alberto Chong, Georgia State University, USA & Universidad del Pacifico, Peru</i>	
<i>Cecilia de Mendoza, Ministry of Production of Argentina, Argentina</i>	
Financing Micro, Small, and Medium Enterprises in Indian Industry	6916
<i>Shromona Ganguly, Indian Institute of Management Calcutta, India & Reserve Bank of India, India</i>	
A Flipped Learning Approach to University EFL Courses	3850
<i>Yasushige Ishikawa, Kyoto University of Foreign Studies, Japan</i>	
<i>Reiko Akahane-Yamada, Advanced Telecommunications Research Institute International (ATR), Japan</i>	
<i>Craig Smith, Kyoto University of Foreign Studies, Japan</i>	
<i>Masayuki Murakami, Kyoto University of Foreign Studies, Japan</i>	
<i>Mutsumi Kondo, Kyoto University of Foreign Studies, Japan</i>	
<i>Misato Kitamura, Advanced Telecommunications Research Institute International (ATR), Japan</i>	
<i>Yasushi Tsubota, Kyoto Institute of Technology, Japan</i>	
<i>Masatake Dantsuji, Kyoto University, Japan</i>	
Flipping the Medical School Classroom.....	5800
<i>Kristina Kaljo, Medical College of Wisconsin, USA</i>	
<i>Laura Jacques, Medical College of Wisconsin, USA</i>	
Flying Adhoc Networks Concept and Challenges	6106
<i>Kuldeep Singh, Thapar University, India</i>	
<i>Anil Kumar Verma, Thapar University, India</i>	
Forecasting the Demand of Agricultural Crops/Commodity Using Business Intelligence Framework	847
<i>Satyadhyana Chickerur, KLE Technological University, India</i>	
<i>Supreeth Sharma, Akamai Technologies, India</i>	
<i>Prashant M. Narayankar, KLE Technological University, India</i>	
Forensic Investigations in Cloud Computing.....	1356
<i>Diane Barrett, Bloomsburg University of Pennsylvania, USA</i>	

A Formal Approach to the Distributed Software Control for Automated Multi-Axis Manufacturing Machines	7435
<i>Gen'ichi Yasuda, Nagasaki Institute of Applied Science, Japan</i>	
The Foundation of (Business) Ethics' Evolution	3173
<i>Ben Tran, Alliant International University, USA</i>	
A Framework for Exploring IT-Led Change in Morphing Organizations	694
<i>Sharon A. Cox, Birmingham City University, UK</i>	
A Framework for Profiling Prospective Students in Higher Education	3861
<i>Santhosh Kumar Lakkaraju, Dakota State University, USA</i>	
<i>Deb Tech, Dakota State University, USA</i>	
<i>Shuyuan Deng, Dakota State University, USA</i>	
From Business-to-Business Software Startup to SAP's Acquisition	5388
<i>John Wang, Montclair State University, USA</i>	
<i>Jeffrey Hsu, Fairleigh Dickinson University, USA</i>	
<i>Sylvain Jaume, Saint Peter's University, USA</i>	
From Digital Exclusion to Digital Inclusion for Adult Online Learners	2503
<i>Virginia E. Garland, University of New Hampshire, USA</i>	
From Digital Natives to Student Experiences With Technology	2512
<i>Sue Bennett, University of Wollongong, Australia</i>	
<i>Linda Corrin, University of Melbourne, Australia</i>	
From General Services to Pervasive and Sensitive Services	7754
<i>Mario Vega-Barbas, KTH-Royal Institute of Technology, Sweden & ESNE-Universidad</i>	
<i>Camilo José Cela, Spain</i>	
<i>Iván Pau, Universidad Politécnica de Madrid, Spain</i>	
<i>Fernando Seoane, KI-Karolinska Institutet, Sweden & University of Borås, Sweden</i>	
From Information Systems Outsourcing to Cloud Computing	1101
<i>Mohammad Nabil Almunawar, Universiti Brunei Darussalam, Brunei</i>	
<i>Hasan Jawwad Almunawar, P. T. Tegar Kupas Mediatama, Indonesia</i>	
From On-Premise ERP to Cloud ERP	2965
<i>Karim Mezghani, Al Imam Mohammad Ibn Saud Islamic University (IMSIU), Saudi Arabia</i>	
<i>& University of Sfax, Tunisia</i>	
From the Psychoanalyst's Couch to Social Networks	7014
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
<i>Emanuele Fino, Psychologist, Psychometrician, Italy</i>	
<i>Elena Bocci, Sapienza University of Rome, Italy</i>	

The Fundamentals of Human-Computer Interaction	4199
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
The Future of High-Performance Computing (HPC)	4004
<i>Herbert Cornelius, Intel Corporation EMEA, Germany</i>	
Fuzzy Logic Approach in Risk Assessment	6789
<i>Çetin Karahan, Directorate General of Civil Aviation, Turkey</i>	
<i>Esra Ayça Güzeldereli, Afyon Kocatepe University, Turkey</i>	
<i>Aslıhan Tüfekci, Gazi University, Turkey</i>	
A Gamification Update to the Taxonomy of Technology and Mental Health	995
<i>Madeline R. Marks, University of Central Florida, USA</i>	
<i>Amanda C. Tan, University of Central Florida, USA</i>	
<i>Clint Bowers, University of Central Florida, USA</i>	
Gender Differences in Advertising Engagement Using the Case of Facebooks Ads	3359
<i>Eva Lahuerta-Otero, University of Salamanca, Spain</i>	
<i>Rebeca Cordero-Gutiérrez, University of Salamanca, Spain</i>	
The Gender Dimension in Urban Air Quality.....	3371
<i>Theodora Slini, Aristotle University of Thessaloniki, Greece</i>	
<i>Fotini-Niovi Pavlidou, Aristotle University of Thessaloniki, Greece</i>	
General Perspectives on Electromyography Signal Features and Classifiers Used for Control of Human Arm Prosthetics.....	492
<i>Faruk Ortes, Istanbul University, Turkey</i>	
<i>Derya Karabulut, Halic University, Turkey</i>	
<i>Yunus Ziya Arslan, Istanbul University, Turkey</i>	
Geographic Information System (GIS) Modeling Analysis and the Effects of Spatial Distribution and Environmental Factors on Breast Cancer Incidence	3448
<i>Akram Gasmelseed, University of Science and Technology, Sudan</i>	
<i>Ali H. Alharbi, Qassim University, Saudi Arabia</i>	
Geographic Information Systems.....	3460
<i>Paula Remoaldo, University of Minho, Portugal</i>	
<i>Vitor P. Ribeiro, University of Minho, Portugal</i>	
<i>Hélder Silva Lopes, University of Minho, Portugal</i>	
<i>Sara Catarina Gomes Silva, University of Minho, Portugal</i>	
Geospatial Influence in Science Mapping.....	3473
<i>Carlos Granell-Canut, Universitat Jaume I of Castellón, Spain</i>	
<i>Estefanía Aguilar-Moreno, Universitat Jaume I of Castellón, Spain</i>	

Graph-Based Concept Discovery	1974
<i>Alev Mutlu, Kocaeli University, Turkey</i>	
<i>Pinar Karagoz, Middle East Technical University, Turkey</i>	
<i>Yusuf Kavurucu, Turkish Naval Research Center Command, Turkey</i>	
A Graph-Intersection-Based Algorithm to Determine Maximum Lifetime Communication Topologies for Cognitive Radio Ad Hoc Networks	6536
<i>Natarajan Meghanathan, Jackson State University, USA</i>	
Green IT and the Struggle for a Widespread Adoption	3077
<i>Edward T. Chen, University of Massachusetts – Lowell, USA</i>	
Group Signature System Using Multivariate Asymmetric Cryptography	4898
<i>Sattar J. Aboud, University of Bedfordshire, UK</i>	
Group Synchronization for Multimedia Systems.....	6435
<i>Dimitris N. Kanellopoulos, University of Patras, Greece</i>	
The Growing Impact of ICT on Development in Africa.....	7223
<i>Sherif H. Kamel, The American University in Cairo, Egypt</i>	
GWAS as the Detective to Find Genetic Contribution in Diseases	466
<i>Simanti Bhattacharya, University of Kalyani, India</i>	
<i>Amit Das, University of Kalyani, India</i>	
Haptics-Based Systems Characteristics, Classification, and Applications	4652
<i>Abeer Bayousuf, King Saud University, Saudi Arabia</i>	
<i>Hend S. Al-Khalifa, King Saud University, Saudi Arabia</i>	
<i>Abdulmalik Al-Salman, King Saud University, Saudi Arabia</i>	
Has Bitcoin Achieved the Characteristics of Money?	2784
<i>Donovan Peter Chan Wai Loon, University of Malaya, Malaysia</i>	
<i>Sameer Kumar, University of Malaya, Malaysia</i>	
Healthcare Data Analysis in the Internet of Things Era	1984
<i>George Tzanis, Aristotle University of Thessaloniki, Greece</i>	
Health Wearables Turn to Fashion.....	6114
<i>Lambert Spaanenburg, Comoray AB, Sweden</i>	
Heart Sound Analysis for Blood Pressure Estimation	1006
<i>Rui Guedes, Faculdade de Medicina da Universidade do Porto, Portugal</i>	
<i>Henrique Cyrne Carvalho, Serviço de Cardiologia, Hospital de Santo António, Centro Hospitalar do Porto, Portugal</i>	
<i>Ana Castro, Universidade do Porto, Portugal</i>	

Hexa-Dimension Code of Practice for Data Privacy Protection	4909
<i>Wanbil William Lee, Wanbil & Associates, Hong Kong</i>	
High-Performance Reconfigurable Computing	4018
<i>Mário Pereira Vestias, Instituto Politécnico de Lisboa, Portugal</i>	
The Holon/Parton Structure of the Meme, or The Unit of Culture.....	4666
<i>J. T. Velikovsky, University of Newcastle, Australia</i>	
Home UbiHealth.....	7765
<i>John Sarivougioukas, "G. Gennimatas" Athens General Hospital, Greece</i>	
<i>Aristides Vagelatos, CTI&P, Greece</i>	
<i>Konstantinos Parsopoulos, University of Ioannina, Greece</i>	
<i>Isaac E. Lagaris, University of Ioannina, Greece</i>	
How Exclusive Work Climates Create Barriers for Women in IS&T.....	3382
<i>Katelyn R. Reynoldson, Old Dominion University, USA</i>	
<i>Debra A. Major, Old Dominion University, USA</i>	
How the Crowdsourcing Enhance the Co-Creation Into the Virtual Communities.....	707
<i>Bahri Ammari Nedra, IHEC of Carthage, USA</i>	
How Visualisation and Interaction Can Optimize the Cognitive Processes Towards Big Data	381
<i>Antonio Feraco, Fraunhofer IDM@NTU, Singapore</i>	
<i>Marius Erdt, Fraunhofer IDM@NTU, Singapore</i>	
Human Psychomotor Performance Under the Exposure to Mobile Phones-Like Electromagnetic Fields.....	6124
<i>Giuseppe Curcio, University of L'Aquila, Italy</i>	
Hybrid Computational Intelligence and the Basic Concepts and Recent Advances.....	180
<i>Georgios Dounias, University of the Aegean, Greece</i>	
Hyper-Sensitivity in Global Virtual Teams	720
<i>Andre Araujo, Texas A&M University, USA</i>	
ICT Eases Inclusion in Education.....	2521
<i>Dražena Gašpar, University of Mostar, Bosnia and Herzegovina</i>	
ICT Investments and Recovery of Troubled Economies	2337
<i>Ioannis Papadopoulos, Metropolitan College Thessaloniki, Greece</i>	
<i>Apostolos Syropoulos, Greek Molecular Computing Group, Greece</i>	
ICT Standardization	4679
<i>Kai Jakobs, RWTH Aachen University, Germany</i>	

Identification of Green Procurement Drivers and Their Interrelationship Using Fuzzy TISM and MICMAC Analysis	3086
<i>Surajit Bag, Tega Industries South Africa Pty Ltd., South Africa</i>	
Identification of Wireless Devices from their Physical Layer Radio-Frequency Fingerprints	6136
<i>Gianmarco Baldini, European Commission – Joint Research Centre, Italy</i>	
<i>Gary Steri, European Commission – Joint Research Centre, Italy</i>	
<i>Raimondo Giuliani, European Commission – Joint Research Centre, Italy</i>	
Immersing People in Scientific Knowledge and Technological Innovation Through Disney's Use of Installation Art.....	4692
<i>Jonathan Lillie, Loyola University Maryland, USA</i>	
<i>Michelle Jones-Lillie, Lillie Pad Studios, USA</i>	
The Impact of Artificial Intelligence and Virtual Personal Assistants on Marketing	5748
<i>Christina L. McDowell Marinchak, University of Alaska Anchorage, USA</i>	
<i>Edward Forrest, University of Alaska Anchorage, USA</i>	
<i>Bogdan Hoanca, University of Alaska Anchorage, USA</i>	
Impact of Business Groups on Payout Policy in India.....	61
<i>Ahana Bose, Indian Institute of Management Calcutta, India</i>	
The Impact of Carbon Nanotubes and Graphene on Electronics Industry	2897
<i>Rafael Vargas-Bernal, Instituto Tecnológico Superior de Irapuato, Mexico</i>	
<i>Gabriel Herrera-Pérez, Instituto Tecnológico Superior de Irapuato, Mexico</i>	
<i>Margarita Tecpoyotl-Torres, Universidad Autónoma del Estado de Morelos, Mexico</i>	
The Impact of Mobile Phones on Plastic Surgery and Burn Management.....	6147
<i>Maria Giaquinto-Cilliers, Kimberley Hospital Complex, South Africa</i>	
<i>Tertius N. Potgieter, Kimberley Hospital Complex, South Africa</i>	
<i>Gert Steyn, Kimberley Hospital Complex, South Africa</i>	
The Impact of the Impact of Meta-Data Mining From the SoReCom “A.S. de Rosa” @-Library	4404
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
<i>Laura Dryjanska, Sapienza University of Rome, Italy</i>	
<i>Elena Bocci, Sapienza University of Rome, Italy</i>	
Implementing a Customer Relationship Management (CRM) System.....	1605
<i>Dimitra Skoumpopoulou, Northumbria University, UK</i>	
<i>Benjamin Franklin, Northumbria University, UK</i>	
Implicit Cognitive Vulnerability	5149
<i>Caroline M. Crawford, University of Houston – Clear Lake, US</i>	
The Importance of Electronic Commerce in Modern Business.....	2791
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	

Importance of Information Literacy	3870
<i>Lidia Sanchez-Ruiz, University of Cantabria, Spain</i>	
<i>Beatriz Blanco, University of Cantabria, Spain</i>	
Improved Checkpoint Using the Effective Management of I/O in a Cloud Environment	1116
<i>Bakhta Meroufel, University of Oran1, Algeria</i>	
<i>Ghalem Belalem, University of Es Senia Oran1, Algeria</i>	
Improving Competencies for the Courier Service Industry in Malaysia	2802
<i>Hoo Yee Hui, Universiti Tunku Abdul Rahman, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Improving Competitiveness Through Organizational Market Intelligence.....	961
<i>George Leal Jamil, Informações em Rede, Brazil</i>	
<i>Leandro Rocha Dos Santos, In3 Inteligência de Mercado, Brazil</i>	
<i>Cecília C. Jamil, Stockholm University, Sweden</i>	
Improving Dependability of Robotics Systems	6847
<i>Nidhal Mahmud, University of Hull, UK</i>	
Improving Quality of Business in Next Generation Telecom Networks	6546
<i>Vesna Radonjić Đogatović, University of Belgrade, Serbia</i>	
Improving Usability of Website Design Using W3C Guidelines	8006
<i>G. Sreedhar, Rashtriya Sanskrit Vidyapeetha (Deemed University), India</i>	
Increasing Student Engagement and Participation Through Course Methodology	1463
<i>T. Ray Ruffin, University of Phoenix, USA & Grand Canyon University, USA & Ashford University, USA & North Carolina Wesleyan College, USA</i>	
<i>Donna Patterson Hawkins, University of Phoenix, USA</i>	
<i>D. Israel Lee, Southern Illinois University, USA & University of Phoenix, USA</i>	
Incremental Approach to Classification Learning	191
<i>Xenia Alexandre Naidenova, Research Centre of Military Medical Academy – Saint Petersburg, Russia</i>	
Indicators of Information and Communication Technology.....	4704
<i>Gulnara Abdurakhmanova, National Research University Higher School of Economics, Russia</i>	
<i>Leonid Gokhberg, National Research University Higher School of Economics, Russia</i>	
<i>Alexander Sokolov, National Research University Higher School of Economics, Russia</i>	
Indigenous Knowledge Systems	5036
<i>Osarumwense Igwisi, University of Benin, Nigeria</i>	
<i>Osaro Rawlings Igbinomwanhia, University of Benin, Nigeria</i>	

Influencing People and Technology Using Human Resource Development (HRD) Philosophy	4326
<i>Claretha Hughes, University of Arkansas, USA</i>	
<i>Matthew W. Gosney, University of Colorado – Health, USA</i>	
<i>Cynthia M. Sims, Clemson University, USA</i>	
Information and Communication Technology Ethics and Social Responsibility	4920
<i>Tomas Cahlik, Charles University Prague, Czech Republic & University of Economics Prague, Czech Republic</i>	
Information and Its Conceptual Perspectives.....	4422
<i>José Poças Rascão, Institute Polytechnic of Setúbal, Portugal</i>	
Information-Based Revolution in Military Affairs	7302
<i>Rafal Kopec, Pedagogical University of Krakow, Poland</i>	
Information-Centric Networking	6556
<i>Mohamed Fazil Mohamed Firdhous, University of Moratuwa, Sri Lanka</i>	
Information Needs of Users in the Tech Savvy Environment and the Influencing Factors	2264
<i>Mudasir Khazer Rather, University of Kashmir, India</i>	
<i>Shabir Ahmad Ganaie, University of Kashmir, India</i>	
Information Science and Technology in Crisis Response and Management.....	1407
<i>Randy Basham, University of Texas at Arlington, USA</i>	
Information Seeking Models in the Digital Age.....	4515
<i>Mudasir Khazer Rather, University of Kashmir, India</i>	
<i>Shabir Ahmad Ganaie, University of Kashmir, India</i>	
Information Systems and Technology Projects in Healthcare Organisations	3756
<i>Jorge Gomes, ISEG, Universidade de Lisboa, Portugal</i>	
<i>Mário José Batista Romão, ISEG, Universidade de Lisboa, Portugal</i>	
Information Technologies and Social Change	4715
<i>Muhammet Ali Köroğlu, Uşak University, Turkey</i>	
<i>Cemile Zehra Köroğlu, Uşak University, Turkey</i>	
Informed Decision Making With Enterprise Dynamic Systems Control	2154
<i>Sérgio Luís Guerreiro, Instituto Superior Técnico, University of Lisbon, Portugal & INESC-ID, Portugal</i>	
The Infusion of Technology Within the Classroom Facilitates Students' Autonomy in Their Learning	2532
<i>Fariel Mohan, University of Trinidad and Tobago, Trinidad and Tobago</i>	
<i>Garry Soomarah, University of Trinidad and Tobago, Trinidad and Tobago</i>	

In-Memory Analytics.....	1806
<i>Jorge Manjarrez Sánchez, Instituto Tecnológico Superior de Jerez, Mexico</i>	
Innovative Formalism for Biological Data Analysis.....	1814
<i>Calin Ciufudean, Stefan cel Mare University, Romania</i>	
An Insight Into Deep Learning Architectures.....	4528
<i>Nishu Garg, VIT University, India</i>	
<i>Nikhitha P, VIT University, India</i>	
<i>B. K. Tripathy, VIT University, India</i>	
Instructional Real World Community Engagement.....	1474
<i>Caroline M. Crawford, University of Houston – Clear Lake, USA</i>	
An Integrated Approach to Supply Chain Simulation	5398
<i>Nenad Stefanovic, University of Kragujevac, Serbia</i>	
<i>Bozidar Radenkovic, University of Belgrade, Serbia</i>	
Integrated Data Architecture for Business	862
<i>Richard Kumaradjaja, Renaissance Consulting, Indonesia</i>	
An Integrated Electronic IQA System for HEI.....	3881
<i>Teay Shawyun, King Saud University, Saudi Arabia</i>	
Integrated Paper-Based and Digital Learning Material for Smart Learners.....	2545
<i>Sabrina Leone, Università Politecnica delle Marche, Italy</i>	
Integrating Content Authentication Support in Media Services.....	2908
<i>Anastasia N. Katsaounidou, Aristotle University of Thessaloniki, Greece</i>	
<i>Charalampos A. Dimoulas, Aristotle University of Thessaloniki, Greece</i>	
Integrating Evidence-Based Practice in Athletic Training Though Online Learning.....	5810
<i>Brittany A. Vorndran, Seton Hall University, USA</i>	
<i>Michelle Lee D'Abundo, Seton Hall University, USA</i>	
Integrating Knowledge Management and Business Processes	5046
<i>John Steven Edwards, Aston University, UK</i>	
Integrating Sustainability and CSR in the Value Chain of the Information Technology Sector	3183
<i>Patricia Martínez García de Leaniz, University of Cantabria, Spain</i>	
<i>María Elena García Ruiz, University of Cantabria, Spain</i>	
Integrating Web-Based Technologies Into the Education and Training of Health Professionals	5820
<i>Michelle Lee D'Abundo, Seton Hall University USA</i>	
<i>Cara Sidman, Arizona State University, USA</i>	

Intellectual Capital Measurement	5056
<i>Lukasz Bryl, Poznan University of Economics and Business, Poland</i>	
The Intelligence of E-CRM Applications and Approaches on Online Shopping Industry.....	1616
<i>Bashar Shahir Ahmed, University Abdelmalek Essaadi (LEROZA Laborator), Morocco</i>	
<i>Fadi Amroush, Universidad de Salamanca, Spain</i>	
<i>Mohammed Ben Maati, University Abdelmalek Essaadi, Morocco</i>	
Interactivity in Distance Education and Computer-Aided Learning, With Medical Education Examples.....	5829
<i>D. John Doyle, Cleveland Clinic, USA</i>	
<i>Patrick J. Fahy, Athabasca University, Canada</i>	
Interface Trends in Human Interaction, the Internet of Things, and Big Data	4210
<i>William J. Gibbs, Duquesne University, USA</i>	
International Students in Online Courses	3900
<i>María Ángeles Rodríguez Manzanares, Memorial University of Newfoundland, Canada</i>	
Internet Addiction in Context	4223
<i>Petra Vondrackova, Charles University in Prague, Czech Republic</i>	
<i>David Šmahel, Masaryk University – Brno, Czech Republic</i>	
The Internet Behavior of Older Adults	7026
<i>Elizabeth Mazur, Pennsylvania State University, USA</i>	
<i>Margaret L. Signorella, Pennsylvania State University, USA</i>	
<i>Michelle Hough, Pennsylvania State University, USA</i>	
Internet-Facilitated Child Sexual Exploitation Crimes.....	1366
<i>Keith F. Durkin, Ohio Northern University, USA</i>	
<i>Ronald L. DeLong, University of Dayton, USA</i>	
Internet of Things Applications for Healthcare	3689
<i>Ljubica Diković, Business Technical College, Serbia</i>	
Internet Phenomenon	8015
<i>Lars Konzack, University of Copenhagen, Denmark</i>	
Interoperability Frameworks for Distributed Systems	6566
<i>José Carlos Martins Delgado, Universidade de Lisboa, Portugal</i>	
The Intersection of Religion and Mobile Technology	6161
<i>Wendi R. Bellar, Texas A&M University, USA</i>	
<i>Kyong James Cho, Texas A&M University, USA</i>	
<i>Heidi A. Campbell, Texas A&M University, USA</i>	

Intrusion Tolerance Techniques	4927
<i>Wenbing Zhao, Cleveland State University, USA</i>	
Investigating Diachronic Variation and Change in New Varieties of English	1206
<i>Rita Calabrese, University of Salerno, Italy</i>	
iSchools Promoting “Information Science and Technology” (IST) Domain Towards Community, Business, and Society With Contemporary Worldwide Trend and Emerging Potentialities in India	4723
<i>P. K. Paul, Raiganj University, India</i>	
<i>D. Chatterjee, Seacom Skills University, India</i>	
Issues and Challenges in Enterprise Social Media	7036
<i>Sarabjot Kaur, IIT Kanpur, India</i>	
<i>Subhas Chandra Misra, IIT Kanpur, India</i>	
IT Service Management Architectures	2920
<i>Torben Tambo, Aarhus University, Denmark</i>	
<i>Jacob Filtenborg, Aarhus University, Denmark</i>	
IT Solutions Supporting the Management of Higher Education Institutions in Poland	3910
<i>Elżbieta Janczyk-Strzała, Wrocław School of Banking, Poland</i>	
IT Strategy Follows Digitalization.....	873
<i>Thomas Ochs, Villeroy & Boch, Germany</i>	
<i>Ute Anna Riemann, SAP SE, Germany</i>	
Kinect Applications in Healthcare	5876
<i>Roanna Lun, Cleveland State University, USA</i>	
<i>Wenbing Zhao, Cleveland State University, USA</i>	
Knowledge Acquisition on Dante Alighieri’s Works.....	5067
<i>Elvira Immacolata Locuratolo, ISTI-CNR, Italy</i>	
<i>Valentina Bartalesi Lenzi, ISTI-CNR, Italy</i>	
Knowledge-Based Forensic Patterns and Engineering System	1376
<i>Vivek Tiwari, International Institute of Information Technology Naya Raipur, India</i>	
<i>R. S. Thakur, Maulana Azad National Institute of Technology, India</i>	
Knowledge Management for Development (KM4D).....	5077
<i>Alexander G. Flor, University of the Philippines, Philippines</i>	
Knowledge Management From the Metaphorical Perspective	5085
<i>Magdalena Bielenia-Grajewska, University of Gdańsk, Poland</i>	

Knowledge Networks in Higher Education.....	3922
<i>Filipa M. Ribeiro, University of Porto, Portugal</i>	
Lack of Characteristics Management Causing Biggest Projects Failure	5650
<i>Loredana Arana, University of Phoenix, USA</i>	
Latest Advances on Benders Decomposition.....	5411
<i>Antonios Fragkogios, University of Thessaly, Greece</i>	
<i>Georgios K. D. Saharidis, University of Thessaly, Greece</i>	
Lean and Six Sigma Innovation and Design	729
<i>Rick Edgeman, Utah State University, USA</i>	
Lean Logistics of the Transportation of Fresh Fruit Bunches (FFB) in the Palm Oil Industry.....	5422
<i>Cheah Cheng Teik, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Learner Engagement in Blended Learning	1487
<i>Kristian J. Spring, Brigham Young University, USA</i>	
<i>Charles R. Graham, Brigham Young University, USA</i>	
<i>Tarah B. Ikahihifo, Brigham Young University, USA</i>	
Learning Analytics.....	5158
<i>Constanța-Nicoleta Bodea, Bucharest University of Economic Studies, Romania</i>	
<i>Maria-Iuliana Dascalu, University Politehnica of Bucharest, Romania</i>	
<i>Radu Ioan Mogos, Bucharest University of Economic Studies, Romania</i>	
<i>Stelian Stancu, Bucharest University of Economic Studies, Romania</i>	
Learning From Imbalanced Data	1825
<i>Lincy Mathews, M. S. Ramaiah Institute of Technology, India</i>	
<i>Seetha Hari, Vellore Institute of Technology, India</i>	
Learning With Games and Digital Stories in Visual Programming	3309
<i>Wilfred W. F. Lau, The Chinese University of Hong Kong, China</i>	
Learning With Mobile Devices.....	6347
<i>Helen Crompton, Old Dominion University, USA</i>	
<i>John Traxler, University of Wolverhampton, UK</i>	
Leveraging Technology-Enhanced Teaching and Learning for Future IS Security Professionals....	2558
<i>Ciara Heavin, University College Cork, Ireland</i>	
<i>Karen Neville, University College Cork, Ireland</i>	
<i>Sheila O'Riordan, University College Cork, Ireland</i>	

Leveraging the Arduino Platform to Develop Information Technology Devices	3273
<i>Diego Reforgiato Recupero, University of Cagliari, Italy</i>	
<i>Valentino Artizzu, University of Cagliari, Italy</i>	
<i>Francesca Cella, University of Cagliari, Italy</i>	
<i>Alessandro Cotza, University of Cagliari, Italy</i>	
<i>Davide Curcio, University of Cagliari, Italy</i>	
<i>Giorgio Amedeo Iengo, University of Cagliari, Italy</i>	
<i>Riccardo Macis, University of Cagliari, Italy</i>	
<i>Andrea Marras, University of Cagliari, Italy</i>	
<i>Simone Picci, University of Cagliari, Italy</i>	
<i>Michael Planu, University of Cagliari, Italy</i>	
<i>Riccardo Scasseddu, University of Cagliari, Italy</i>	
 Liberating Educational Technology Through the Socratic Method.....	2571
<i>Frank G. Giuseffi, Lindenwood University, USA</i>	
 Literature Review of Augmented Reality Application in the Architecture, Engineering, and Construction Industry With Relation to Building Information.....	983
<i>Aydin Tabrizi, University of Kansas, USA</i>	
<i>Paola Sanguinetti, University of Kansas, USA</i>	
 Load Flow Analysis in Smart Grids.....	3103
<i>Osman Hasan, National University of Sciences and Technology, Pakistan</i>	
<i>Awais Mahmood, National University of Sciences and Technology, Pakistan</i>	
<i>Syed Rafay Hasan, Tennessee Technological University, USA</i>	
 Logic Programming for Intelligent Systems	4736
<i>James D. Jones, Liberty University, USA</i>	
 Machine Dreaming.....	202
<i>James Frederic Pagel, University of Colorado School of Medicine, USA</i>	
 The Main Concepts Behind the Dematerialization of Business Processes.....	888
<i>Liliana Ávila, University of Aveiro, Portugal</i>	
<i>Leonor Teixeira, University of Aveiro, Portugal</i>	
 Maintenance Policies Optimization of Medical Equipment in a Health Care Organization	3698
<i>Juan Ignacio Roig, University of Castilla-La Mancha, Spain</i>	
<i>Andrés Gómez, University of Castilla-La Mancha, Spain</i>	
<i>Isabel Romero, University of Castilla-La Mancha, Spain</i>	
<i>María Carmen Carnero, University of Castilla-La Mancha, Spain & University of Lisbon, Portugal</i>	
 Major Techniques and Current Developments of Supply Chain Process Modelling.....	5433
<i>Henry Xu, The University of Queensland, Australia</i>	
<i>Renae Agrey, The University of Queensland, Australia</i>	

Making Sense of IS Project Stories	5660
<i>Darren Dalcher, University of Hertfordshire, UK</i>	
Managerial Tools and Techniques for Decision Making	2166
<i>Davood Askarany, University of Auckland, New Zealand</i>	
Managing and Visualizing Unstructured Big Data	394
<i>Ananda Mitra, Wake Forest University, USA</i>	
Manufacturing vs. Services and the Role of Information Technology	7234
<i>Arnab Adhikari, Indian Institute of Management Ranchi, India</i>	
<i>Shromona Ganguly, Indian Institute of Management Calcutta, India</i>	
Mapping the Dissemination of the Theory of Social Representations via Academic Social Networks	7044
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
<i>Laura Dryjanska, Sapienza University of Rome, Italy</i>	
<i>Elena Bocci, Sapienza University of Rome, Italy</i>	
Marketing and Marketing Plan for Information Services	5757
<i>Sérgio Maravilhas, Universidade Salvador, Brazil</i>	
Massive Digital Libraries (MDLs).....	5226
<i>Andrew Philip Weiss, California State University – Northridge, USA</i>	
Massive Open Online Courses and Integrating Open Source Technology and Open Access Literature Into Technology-Based Degrees	7898
<i>Maurice Dawson, University of Missouri – St. Louis, USA</i>	
<i>Sharon Burton, Grand Canyon University, USA</i>	
<i>Dustin Bessette, National Graduate School of Quality Management, USA</i>	
<i>Jorja Wright, University of Charleston, USA</i>	
Mastering Electronic Government in the Digital Age	3591
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
A Maturity Model for Digital Literacies and Sustainable Development	2280
<i>Ravi S. Sharma, Nanyang Technological University, Singapore</i>	
<i>Lin G. Malone, Nanyang Technological University, Singapore</i>	
<i>Chong Guan, SIM University, Singapore</i>	
<i>Ambica Dattakumar, Nanyang Technological University, Singapore</i>	
The Measurement and Recognition of Intellectual Capital in the Process of Accounting Convergence Trends and Patterns	5669
<i>Ionica Oncioiu, Titu Maiorescu University, Romania</i>	

Measuring Low Carbon Supply Chain.....	5446
<i>Muhammad Shabir Shaharudin, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Measuring Text Readability Using Reading Level.....	1499
<i>James C. Brewer, Texas Tech University, USA</i>	
Mechanisms of Electrical Conductivity in Carbon Nanotubes and Graphene.....	2673
<i>Rafael Vargas-Bernal, Instituto Tecnológico Superior de Irapuato, Mexico</i>	
Mediated Embodiment in New Communication Technologies	4234
<i>Laura Aymerich-Franch, CNRS-AIST JRL (Joint Robotics Laboratory), AIST, Japan</i>	
Medical Equipment and Economic Determinants of Its Structure and Regulation in the Slovak Republic	5841
<i>Beáta Gavurová, Technical University of Košice, Slovakia</i>	
<i>Viliam Kováč, Technical University of Košice, Slovakia</i>	
<i>Michal Šoltés, Technical University of Košice, Slovakia</i>	
Metadata Standards in Digital Audio.....	6447
<i>Kimmy Szeto, Baruch College, City University of New York, USA</i>	
Methodology of Climate Change Impact Assessment on Forests	3114
<i>Mostafa Jafari, Regional Institute of Forest and Rangelands (RIFR), Iran</i>	
Methods for Improving Alias Rejections in Comb Filters.....	4746
<i>Gordana Jovanovic Dolecek, Institute INAOE Puebla, Mexico</i>	
Methods for Simultaneous Improvement of Comb Pass Band and Folding Bands	6171
<i>Gordana Jovanovic Dolecek, Institute INAOE Puebla, Mexico</i>	
Micro to Macro Social Connectedness through Mobile Phone Engagement	6184
<i>Dominic Mentor, Columbia University, USA</i>	
Mining Big Data and Streams.....	406
<i>Hoda Ahmed Abdelhafez, Suez Canal University, Egypt</i>	
Mining Sport Activities	7348
<i>Iztok Fister Jr., University of Maribor, Slovenia</i>	
<i>Iztok Fister, University of Maribor, Slovenia</i>	
Missing Part of Halal Supply Chain Management.....	5456
<i>Ratih Hendayani, Telkom University, Indonesia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	

Mission, Tools, and Ongoing Developments in the So.Re.Com. “A.S. de Rosa” @-library	5237
<i>Annamaria Silvana de Rosa, Sapienza University of Rome, Italy</i>	
Mobile Applications for Automatic Object Recognition.....	6195
<i>Danilo Avola, University of Udine, Italy</i>	
<i>Gian Luca Foresti, University of Udine, Italy</i>	
<i>Claudio Piciarelli, University of Udine, Italy</i>	
<i>Marco Vernier, University of Udine, Italy</i>	
<i>Luigi Cinque, Sapienza University, Italy</i>	
Mobile Apps Threats.....	6207
<i>Donovan Peter Chan Wai Loon, University of Malaya, Malaysia</i>	
<i>Sameer Kumar, University of Malaya, Malaysia</i>	
Mobile Game-Based Learning.....	6361
<i>Boaventura DaCosta, Solers Research Group, USA</i>	
<i>Soonhwa Seok, Korea University, South Korea</i>	
<i>Carolyn Kinsell, Solers Research Group, USA</i>	
Mobile Game-Based Learning in STEM Subjects.....	6376
<i>Marcelo Leandro Eichler, Universidade Federal do Rio Grande do Sul, Brazil</i>	
<i>Gabriela Trindade Perry, Universidade Federal do Rio Grande do Sul, Brazil</i>	
<i>Ivana Lima Lucchesi, Universidade Federal do Rio Grande do Sul, Brazil</i>	
<i>Thiago Troina Melendez, Instituto Federal Sul-Riograndense, Brazil</i>	
Mobile Learning in and out of the K-12 Classroom	6388
<i>Pena L. Bedesem, Kent State University, USA</i>	
<i>Tracy Arner, Kent State University, USA</i>	
Mobile Technologies Impact on Economic Development in Sub-Saharan Africa	6216
<i>Adam Crossan, Letterkenny Institute of Technology, Ireland</i>	
<i>Nigel McKelvey, Letterkenny Institute of Technology, Ireland</i>	
<i>Kevin Curran, Ulster University, UK</i>	
Mobile Testing System for Developing Language Skills.....	5116
<i>Svetlana Titova, Far Eastern Federal University, Russia</i>	
Mobile Virtual Reality to Enhance Subjective Well-Being	6223
<i>Federica Pallavicini, Università di Milano-Bicocca, Italy</i>	
<i>Luca Morganti, Università di Milano-Bicocca, Italy</i>	
<i>Barbara Diana, Università di Milano-Bicocca, Italy</i>	
<i>Olivia Realdon, University of Milano-Bicocca, Italy</i>	
<i>Valentino Zurloni, Università di Milano-Bicocca, Italy</i>	
<i>Fabrizia Mantovani, Università di Milano-Bicocca, Italy</i>	

Model for Assessment of Environmental Responsibility in Health Care Organizations	3131
<i>María Carmen Carnero, University of Castilla-La Mancha, Spain & University of Lisbon, Portugal</i>	
A Model for Connected E-Government in the Digital Age	3602
<i>Qiuyan Fan, Western Sydney University, Australia</i>	
Model-Driven Software Modernization.....	7447
<i>Liliana Maria Favre, Universidad Nacional Del Centro De La Provincia De Buenos Aires, Argentina</i>	
<i>Liliana Martinez, Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina</i>	
<i>Claudia Teresa Pereira, Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina</i>	
The Morality of Reporting Safety Concerns in Aviation.....	3194
<i>Kawtar Tani, UCOL, New Zealand</i>	
Motivational Factors of Telework	740
<i>Arlene J. Nicholas, Salve Regina University, USA</i>	
Moving Object Detection and Tracking Based on the Contour Extraction and Centroid Representation.....	212
<i>Naveenkumar M, National Institute of Technology Trichy, India</i>	
<i>Sriharsha K. V., National Institute of Technology Trichy, India</i>	
<i>Vadivel A, National Institute of Technology Trichy, India</i>	
Multifaceted Applications of the Internet of Things.....	7775
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
Multimedia-Enabled Dot Codes as Communication Technologies	6464
<i>Shigeru Ikuta, Otsuma Women's University, Japan</i>	
Multimodal Literacy	1508
<i>Maryann Tatum Tobin, University of Miami, USA</i>	
Mutation Testing Applied to Object-Oriented Languages.....	7459
<i>Pedro Delgado-Pérez, University of Cádiz, Spain</i>	
<i>Inmaculada Medina-Bulo, University of Cádiz, Spain</i>	
<i>Juan José Domínguez-Jiménez, University of Cádiz, Spain</i>	
The Nature, Extent, Causes, and Consequences of Cyberbullying.....	1723
<i>Michelle F. Wright, Masaryk University, Czech Republic</i>	
A Nature-Inspired Metaheuristic Approach for Generating Alternatives.....	2178
<i>Julian Scott Yeomans, York University, Canada</i>	

The Nature of Cyber Bullying Behaviours	4245
<i>Lucy R. Betts, Nottingham Trent University, UK</i>	
The Nature of Research Methodologies.....	6756
<i>Ben Tran, Alliant International University, USA</i>	
Need for Rethinking Modern Urban Planning Strategies Through Integration of ICTs.....	7843
<i>Rounaq Basu, Indian Institute of Technology Bombay, India</i>	
<i>Arnab Jana, Indian Institute of Technology Bombay, India</i>	
Negotiating Local Norms in Online Communication	1217
<i>Jonathan R. White, Högskolan Dalarna, Sweden</i>	
Neighborhood Rough-Sets-Based Spatial Data Analytics.....	1835
<i>Sharmila Banu K, VIT University, India</i>	
<i>B. K. Tripathy, VIT University, India</i>	
The NetLab Network.....	7057
<i>Dimitrina Dimitrova, York University, Canada</i>	
<i>Barry Wellman, NetLab Network, Canada</i>	
The Networked Effect of Children and Online Digital Technologies.....	7312
<i>Teresa Sofia Pereira Dias de Castro, University of Minho, Portugal</i>	
<i>António Osório, University of Minho, Portugal</i>	
<i>Emma Bond, University Campus Suffolk, UK</i>	
Neural Networks and Their Accelerated Evolution From an Economic Analysis Perspective	6579
<i>Stelian Stancu, Bucharest University of Economic Studies, Romania</i>	
<i>Constanța-Nicoleta Bodea, Bucharest University of Economic Studies, Romania</i>	
<i>Oana Mădălina Popescu(Predescu), Bucharest University of Economic Studies, Romania</i>	
<i>Alina Neamțu(Idorași), Bucharest University of Economic Studies, Romania</i>	
A Neuroaesthetic Approach to the Search of Beauty From the Consumer's Perspective.....	5767
<i>Gemma García Ferrer, Rey Juan Carlos University, Spain</i>	
Neuroscience Technology and Interfaces for Speech, Language, and Musical Communication	5886
<i>Dionysios Politis, Aristotle University of Thessaloniki, Greece</i>	
<i>Miltiadis Tsalighopoulos, Aristotle University of Thessaloniki, Greece</i>	
<i>Georgios Kyriafinis, AHEPA University Hospital, Greece</i>	
New Advances in E-Commerce	2810
<i>Khaled Ahmed Nagaty, The British University in Egypt, Egypt</i>	
New Faces of Digital Divide and How to Bridge It.....	7248
<i>Viktor Freiman, Université de Moncton, Canada</i>	
<i>Dragana Martinovic, University of Windsor, Canada</i>	
<i>Xavier Robichaud, Université de Moncton, Canada</i>	

New Perspectives of Pattern Recognition for Automatic Credit Card Fraud Detection	4937
<i>Addisson Salazar, Universitat Politècnica de València, Spain</i>	
<i>Gonzalo Safont, Universitat Politècnica de València, Spain</i>	
<i>Alberto Rodriguez, Universidad Miguel Hernández de Elche, Spain</i>	
<i>Luis Vergara, Universitat Politècnica de València, Spain</i>	
Nigerian Undergraduate Students' Computer Competencies and Use of Information Technology Tools and Resources for Study Skills and Habits' Enhancement	2303
<i>Adekunle Olusola Otunla, University of Ibadan, Nigeria</i>	
<i>Caleb Okoro Amuda, University of Ibadan, Nigeria</i>	
Noise Trader.....	71
<i>Po-Keng Cheng, State University of New York, Stony Brook University, USA</i>	
Nominalizations in Requirements Engineering Natural Language Models.....	5127
<i>Claudia S. Litvak, Universidad Nacional de La Matanza, Argentina & Universidad Nacional del Oeste, Argentina</i>	
<i>Graciela Dora Susana Hadad, Universidad Nacional del Oeste, Argentina</i>	
<i>Jorge Horacio Doorn, Universidad Nacional del Oeste, Argentina & Universidad Nacional de La Matanza, Argentina</i>	
Notions of Maritime Green Supply Chain Management	5465
<i>Fairuz Jasmi, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Novel Methods to Design Low-Complexity Digital Finite Impulse Response (FIR) Filters.....	6234
<i>David Ernesto Troncoso Romero, CONACYT at ESCOM-IPN, Mexico</i>	
<i>Gordana Jovanovic Dolecek, Institute INAOE, Mexico</i>	
N-Tuple Algebra as a Unifying System to Process Data and Knowledge.....	1995
<i>Boris Alexandrovich Kulik, Institute of Problems in Mechanical Engineering RAS, Russia</i>	
<i>Alexander Yakovlevich Fridman, Institute for Informatics and Mathematical Modelling, Kola Science Centre of RAS, Russia</i>	
Object-Oriented Programming in Computer Science	7470
<i>Rahime Yilmaz, Istanbul University, Turkey</i>	
<i>Anil Sezgin, Yildiz Technical University, Turkey</i>	
<i>Sefer Kurnaz, Istanbul Esenyurt University, Turkey</i>	
<i>Yunus Ziya Arslan, Istanbul University, Turkey</i>	
Offshoring IT	5476
<i>Susan Cockrell, Austin Peay State University, USA</i>	
<i>Terry Stringer Damron, Austin Peay State University, USA</i>	
<i>Amye M. Melton, Austin Peay State University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	

Online Academia	2580
<i>Magdalena Bielenia-Grajewska, University of Gdańsk, Poland</i>	
On-Line Credit and Debit Card Processing and Fraud Prevention for E-Business	2707
<i>James Williams, University of Pittsburgh, USA</i>	
Online Dating/Dating Apps	7069
<i>Vladimir Santiago Arias, Texas Tech University, USA</i>	
<i>Narissra Maria Punyanunt-Carter, Texas Tech University, USA</i>	
Online Information Retrieval Systems Trending From Evolutionary to Revolutionary Approach.....	4535
<i>Zahid Ashraf Wani, University of Kashmir, India</i>	
<i>Huma Shafiq, University of Kashmir, India</i>	
Online Learning Propelled by Constructivism	2588
<i>Kathaleen Reid-Martinez, Oral Roberts University, USA</i>	
<i>Linda D. Grooms, Regent University, USA</i>	
Online Mediation in E-Commerce Matters.....	2825
<i>Ángela Coello Pulido, University of Vigo, Spain</i>	
Online Prosocial Behaviors.....	7077
<i>Michelle F. Wright, Pennsylvania State University, USA</i>	
<i>William Stanley Pendergrass, American Public University System, USA</i>	
Online Social Networking Behavior and Its Influence Towards Students' Academic Performance	7088
<i>Maslin Masrom, Universiti Teknologi Malaysia, Malaysia</i>	
<i>Selisa Usat, Universiti Teknologi Malaysia, Malaysia</i>	
The Ontology of Randomness	1845
<i>Jeremy Horne, The International Institute of Informatics and Systemics, USA</i>	
Open Data and High-Tech Startups Towards Nascent Entrepreneurship Strategies.....	3032
<i>Fotis Kitsios, University of Macedonia, Greece</i>	
<i>Maria Kamariotou, University of Macedonia, Greece</i>	
Open Data Repositories in Knowledge Society	4436
<i>Nadim Akhtar Khan, University of Kashmir, India</i>	
<i>Sara Sohrabzadeh, Tehran University of Medical Science, Iran</i>	
<i>Garvita Jhamb, University of Delhi, India</i>	
An Open Learning Format for Lifelong Learners' Empowerment.....	1517
<i>Sabrina Leone, Università Politecnica delle Marche, Italy</i>	

Open Source.....	6245
<i>Heidi Lee Schnackenberg, SUNY Plattsburgh, USA</i>	
Open Source Software Virtual Learning Environment (OSS-VLEs) in Library Science Schools	7912
<i>Rosy Jan, University of Kashmir, India</i>	
The Optimal Workforce Staffing Solutions With Random Patient Demand in Healthcare Settings.....	3711
<i>Alexander Kolker, GE Healthcare, USA</i>	
Optimization of Antenna Arrays and Microwave Filters Using Differential Evolution Algorithms	6595
<i>Sotirios K. Goudos, Aristotle University of Thessaloniki, Greece</i>	
Optimizing Cloud Computing Costs of Services for Consumers	1627
<i>Eli Weintraub, Afeka Tel Aviv College of Engineering, Israel</i>	
<i>Yuval Cohen, Afeka Tel Aviv College of Engineering, Israel</i>	
Order Statistics and Applications.....	1856
<i>E. Jack Chen, BASF Corporation, USA</i>	
Organizational Transparency	754
<i>Gustavo de Oliveira Almeida, Federal University of the State of Rio de Janeiro, Brazil</i>	
<i>Claudia Cappelli, Federal University of the State of Rio de Janeiro, Brazil</i>	
<i>Cristiano Maciel, Federal University of Mato Grosso, Brazil</i>	
An Overview of Crowdsourcing	8023
<i>Eman Younis, Minia University, Egypt</i>	
A Paradoxical World and the Role of Technology in Thana-Capitalism.....	4761
<i>Maximiliano Emanuel Korstanje, University of Palermo, Argentina</i>	
Parallel Development of Three Major Space Technology Systems and Human Side of Information Reference Services as an Essential Complementary Method	3484
<i>Joyce Gosata Mapanyane, University of Botswana, Botswana</i>	
Parental Mediation of Adolescent Technology Use.....	7097
<i>J. Mitchell Vaterlaus, Montana State University, USA</i>	
Particle Shape Analysis Using Digital Image Processing.....	1331
<i>Katia Tannous, University of Campinas, Brazil</i>	
<i>Fillipe Souza Silva, University of Campinas, Brazil</i>	
The Past, Present, and Future of UML.....	7481
<i>Rebecca Platt, Murdoch University, Australia</i>	
<i>Nik Thompson, Curtin University, Australia</i>	

Peer-to-Peer Health-Related Online Support Groups	3767
<i>Neil S. Coulson, University of Nottingham, UK</i>	
Performance Appraisal.....	4337
<i>Chandra Sekhar Patro, Gayatri Vidya Parishad College of Engineering (Autonomous), India</i>	
Performance Measurement of Technology Ventures by Science and Technology Institutions	4774
<i>Artie W. Ng, The Hong Kong Polytechnic University, Hong Kong</i>	
<i>Benny C. F. Cheung, The Hong Kong Polytechnic University, Hong Kong</i>	
<i>Peggy M. L. Ng, The Hong Kong Polytechnic University, Hong Kong</i>	
Personalized Medicine	5901
<i>Sandip Bisui, Indian Institute of Technology (IIT) Kanpur, India</i>	
<i>Subhas Chandra Misra, Indian Institute of Technology (IIT) Kanpur, India</i>	
Pervasive Mobile Health.....	5908
<i>Muhammad Anshari, Universiti Brunei Darussalam, Brunei</i>	
<i>Mohammad Nabil Almunawar, Universiti Brunei Darussalam, Brunei</i>	
Petri Nets Identification Techniques for Automated Modelling of Discrete Event Processes	7488
<i>Edelma Rodriguez-Perez, CINVESTAV Unidad Guadalajara, Mexico</i>	
<i>Ernesto Lopez-Mellado, CINVESTAV Unidad Guadalajara, Mexico</i>	
Piracy and Intellectual Property Theft in the Internet Era.....	1656
<i>Shun-Yung Kevin Wang, University of South Florida – St. Petersburg, USA</i>	
<i>Jeremy J McDaniel, Principal Financial Group, USA</i>	
Political Context Elements in Public Policy of Radio Frequency Information Technology and Electromagnetic Fields.....	6710
<i>Joshua M. Steinfeld, Old Dominion University, USA</i>	
Potential Benefits and Current Limits in the Development of Demand Response	3144
<i>Clementina Bruno, University of Piemonte Orientale, Italy</i>	
The Potential Role of the Software Industry in Supporting Economic Development	7259
<i>Sherif H. Kamel, The American University in Cairo, Egypt</i>	
Power Consumption in Wireless Access Networks	6253
<i>Vinod Kumar Mishra, B. T. Kumaon Institute of Technology, India</i>	
<i>Pankaja Bisht, B. T. Kumaon Institute of Technology, India</i>	
Predicting Students Grades Using Artificial Neural Networks and Support Vector Machine.....	5169
<i>Sajid Umair, National University of Sciences and Technology (NUST), Pakistan</i>	
<i>Muhammad Majid Sharif, National University of Sciences and Technology (NUST), Pakistan</i>	
Predictive Analytics and Intelligent Risk Detection in Healthcare Contexts.....	6806
<i>Nilmini Wickramasinghe, Epworth HealthCare, Australia & Deakin University, Australia</i>	

Preferences, Utility, and Stochastic Approximation	2188
<i>Yuri P. Pavlov, Bulgarian Academy of Sciences, Institute of Information and Communication Technologies, Bulgaria</i>	
<i>Rumen D. Andreev, Bulgarian Academy of Sciences, Institute of Information and Communication Technologies, Bulgaria</i>	
Presidential Elections Web 2.0	3612
<i>Ramona Sue McNeal, University of Northern Iowa, USA</i>	
<i>Lisa Dotterweich Bryan, Upper Iowa University, USA</i>	
Pricing Based on Real-Time Analysis of Forklift Utilization Using RFID in Warehouse Management.....	5490
<i>Numan Celebi, Sakarya University, Turkey</i>	
<i>Kübra Savaş, İstanbul University, Turkey</i>	
<i>Ihsan Hakan Selvi, Sakarya University, Turkey</i>	
The Principle and Process of Digital Fabrication of Biomedical Objects	505
<i>S. H. Choi, The University of Hong Kong, Hong Kong</i>	
<i>H. H. Cheung, The University of Hong Kong, Hong Kong</i>	
<i>W. K. Zhu, The University of Hong Kong, Hong Kong</i>	
Privacy, Algorithmic Discrimination, and the Internet of Things	4951
<i>Jenifer Sunrise Winter, University of Hawaii at Manoa, USA</i>	
The Process Model of Gameplay to Understand Digital Gaming Outcomes	3317
<i>Linda K. Kaye, Edge Hill University, UK</i>	
Profit Maximizing Network Modeling With Inventory and Capacity Considerations	5503
<i>Tan Miller, Rider University, USA</i>	
<i>Renato de Matta, University of Iowa, USA</i>	
Project Control Using a Bayesian Approach.....	5679
<i>Franco Caron, Politecnico di Milano, Italy</i>	
Project Management in Government	3621
<i>Shauneen Furlong, University of Ottawa, Canada & John Moores Liverpool University, UK</i>	
Promoting Strategic Human Resource Management, Organizational Learning, and Knowledge Management in Modern Organizations.....	4347
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	
A Proposed Framework for Incorporating Big-Data Technology in National Crisis Management Center	2006
<i>Magdy M. Kabeil, Al-Yamamah University, Saudi Arabia</i>	
<i>Ahmad M. Kabil, University of Wisconsin – Whitewater, USA</i>	

The Protection Policy for Youth Online in Japan	4962
<i>Nagayuki Saito, Ochanomizu University, Japan</i>	
<i>Madoka Aragaki, Business Breakthrough University, Japan</i>	
A Psychological Perspective on Mobile Learning	6398
<i>Melody M. Terras, University of the West of Scotland, UK</i>	
<i>Judith Ramsay, Manchester Metropolitan University, UK</i>	
Public Policies for Providing Cloud Computing Services to SMEs of Latin America.....	6727
<i>Mohd Nayyer Rahman, Aligarh Muslim University, India</i>	
<i>Badar Alam Iqbal, Aligarh Muslim University, India</i>	
QoS Architectures for the IP Network	6609
<i>Harry G. Perros, North Carolina State University, USA</i>	
The Qualities and Potential of Social Media	7106
<i>Udo Richard Averweg, eThekwin Municipality, South Africa</i>	
<i>Marcus Leaning, University of Winchester, UK</i>	
Quality Evaluation for Evolving Conceptual Database Design	2020
<i>Elvira Immacolata Locurato, CNR ISTI, Italy</i>	
Quality Online Learning in Higher Education.....	3930
<i>Deborah G. Wooldridge, Bowling Green State University, USA</i>	
<i>Sandra Poirier, Middle Tennessee State University, USA</i>	
<i>Julia M. Matuga, Bowling Green State University, USA</i>	
Quantum Computing and Quantum Communication	7715
<i>Göran Pulkkinen, Arcada University of Applied Sciences, Finland</i>	
<i>Kaj J. Grahn, Arcada University of Applied Sciences, Finland</i>	
Quantum Information Science Vis-à-Vis Information Schools	4448
<i>P. K. Paul, Raiganj University, India</i>	
<i>D. Chatterjee, Seacom Skills University, India</i>	
<i>A. Bhuimali, Raiganj University, India</i>	
Query Languages for Graph Databases	2031
<i>Kornelije Rabuzin, University of Zagreb, Croatia</i>	
Radio Frequency Identification Systems Within a Lean Supply Chain in a Global Environment ...	5516
<i>Alan D. Smith, Robert Morris University, USA</i>	
<i>Terry Stringer Damron, Austin Peay State University, USA</i>	
<i>Susan Cockrell, Austin Peay State University, USA</i>	
<i>Amye M. Melton, Austin Peay State University, USA</i>	

Radio Frequency Identification Technologies and Issues in Healthcare	5918
<i>Amber A. Smith-Ditizio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
Recommender Technologies and Emerging Applications	1869
<i>Young Park, Bradley University, USA</i>	
Reconstructive Architectural and Urban Digital Modelling	7856
<i>Roberta Spallone, Politecnico di Torino, Italy</i>	
Recurrent Neural Networks for Predicting Mobile Device State.....	6658
<i>Juan Manuel Rodriguez, ISISTAN, UNICEN-CONICET, Argentina</i>	
<i>Alejandro Zunino, ISISTAN, UNICEN-CONICET, Argentina</i>	
<i>Antonela Tommasel, ISISTAN, UNICEN-CONICET, Argentina</i>	
<i>Cristian Mateos, ISISTAN, UNICEN-CONICET, Argentina</i>	
Reflection as a Process From Theory to Practice.....	1529
<i>Sonia Bharwani, Indian School of Management and Entrepreneurship, India</i>	
<i>Durgamohan Musunuri, Bhavan's Usha and Lakshmi Mittal Institute of Management, India</i>	
Reflections of the 1Malaysia Supply Chain (1MSC).....	5527
<i>Munira Halili, Universiti Sains Malaysia, Malaysia</i>	
<i>Latifah Naina Mohamed, Universiti Sains Malaysia, Malaysia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Regional Development and Air Freight Service Needs for Regional Communities.....	7869
<i>Tarryn Kille, Griffith University, Australia</i>	
<i>Paul Bates, University of Southern Queensland, Australia</i>	
<i>Patrick S. Murray, University of Southern Queensland, Australia</i>	
Relationship Among Intelligence, Achievement Motivation, Type of School, and Academic Performance of Kenyan Urban Primary School Pupils	1540
<i>Jessina Mukomunene Muthee, Kenyatta University, Kenya</i>	
<i>Catherine G. Murungi, Kenyatta University, Kenya</i>	
The Relationship Between Online Formative Assessment and State Test Scores Using Multilevel Modeling	5183
<i>Aryn C. Karpinski, Kent State University, USA</i>	
<i>Jerome V. D'Agostino, The Ohio State University, USA</i>	
<i>Anne-Evan K. Williams, Billings Middle School, USA</i>	
<i>Sue Ann Highland, Grand Canyon University, USA</i>	
<i>Jennifer A. Mellott, Kent State University, USA</i>	
Reputational Mechanisms in Consumer-to-Consumer Online Commerce.....	2833
<i>Mikhail I. Melnik, Kennesaw State University, USA</i>	

Research and Development on Software Testing Techniques and Tools.....	7503
<i>Tamilarasi T, VIT University, India</i>	
<i>M. Prasanna, VIT University, India</i>	
Research Methodology	6767
<i>Swati C. Jagdale, MAEER's Maharashtra Institute of Pharmacy, India</i>	
<i>Rahul U. Hude, MAEER's Maharashtra Institute of Pharmacy, India</i>	
<i>Aniruddha R. Chabukswar, MAEER's Maharashtra Institute of Pharmacy, India</i>	
Resource Management for Multimedia Services in Long Term Evaluation Networks	6266
<i>Vinod Kumar Mishra, B. T. Kumaon Institute of Technology, India</i>	
<i>Tanuja Pathak, B. T. Kumaon Institute of Technology, India</i>	
Retail Prices and E-Commerce	2841
<i>Jihui Chen, Illinois State University, USA</i>	
Reverse Engineering in Rehabilitation	521
<i>Emilia Mikołajewska, Nicolaus Copernicus University, Poland</i>	
<i>Marek Macko, Kazimierz Weilki University, Poland</i>	
<i>Zbigniew Szczepański, Kazimierz Wielki University, Poland</i>	
<i>Dariusz Mikołajewski, Kazimierz Wielki University, Poland</i>	
A Review of Advances in Supply Chain Intelligence.....	5538
<i>Nenad Stefanovic, University of Kragujevac, Serbia</i>	
<i>Danijela Milosevic, University of Kragujevac, Serbia</i>	
A Review of Supply Chain Risk Management in Agribusiness Industry.....	5550
<i>Sri Widyanesti, Telkom University, Indonesia</i>	
<i>Yudi Fernando, Universiti Malaysia Pahang, Malaysia</i>	
Revisiting Web 2.0.....	8036
<i>Michael Dinger, University of South Carolina Upstate, USA</i>	
<i>Varun Grover, Clemson University, USA</i>	
RNA Interference Therapeutics and Human Diseases.....	477
<i>Dolly Sharma, PEC University of Technology, India</i>	
<i>Shailendra Singh, PEC University of Technology, India</i>	
<i>Trilok Chand, PEC University of Technology, India</i>	
Robotics and Programming Integration as Cognitive-Learning Tools	6859
<i>Nikleia Eteokleous, Frederick University Cyprus, Cyprus</i>	
The Role of Distance Education in Global Education	6412
<i>Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand</i>	

Role of Educational Leaders in Supporting Beginning Teachers in Al Ain Schools in the UAE	7647
<i>Salam Omar Ali, Brighton Collage Al Ain, UAE</i>	
The Role of Emerging Information Technologies for Supporting Supply Chain Management	5559
<i>Zlatko Nedelko, University of Maribor, Slovenia</i>	
<i>Vojko Potocan, University of Maribor, Slovenia</i>	
The Role of Feedback in Software Process Assessment.....	7514
<i>Zeljko Stojanov, University of Novi Sad, Serbia</i>	
<i>Dalibor Dobrilovic, University of Novi Sad, Serbia</i>	
The Role of U-FADE in Selecting Persuasive System Features.....	7785
<i>Isaac Wiafe, Ghana Institute of Management and Public Administration, Ghana</i>	
The Roles of Digital Literacy in Social Life of Youth.....	2314
<i>Dragana Martinovic, University of Windsor, Canada</i>	
<i>Viktor Freiman, Université de Moncton, Canada</i>	
<i>Chrispina S. Lekule, St. Augustine University of Tanzania, Tanzania</i>	
<i>Yuqi Yang, University of Windsor, Canada</i>	
Rough-Set-Based Decision Model for Incomplete Information Systems	2200
<i>Safiye Turgay, Sakarya University, Turkey</i>	
<i>Orhan Torkul, Sakarya University, Turkey</i>	
<i>Tahsin Turgay, Sakarya University, Turkey</i>	
Safeguarding of ATM	77
<i>Srividhya Srinivasan, University of Madras, India</i>	
<i>Priya Krishnamoorthy, SASTRA University, India</i>	
<i>Raghuraman Koteeswaran, SASTRA University, India</i>	
Samsung Company and an Analysis of Supplier-Side Supply Chain Management and IT Applications	5570
<i>Amber A. Smith-Ditizio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
Scanning for Blind Spots	899
<i>Barbara Jane Holland, Brooklyn Public Library, USA</i>	
Schema Evolution in Conventional and Emerging Databases	2043
<i>Zouhaier Brahmia, University of Sfax, Tunisia</i>	
<i>Fabio Grandi, University of Bologna, Italy</i>	
<i>Barbara Oliboni, University of Verona, Italy</i>	
<i>Rafik Bouaziz, University of Sfax, Tunisia</i>	

Schema Versioning in Conventional and Emerging Databases	2054
<i>Zouhaier Brahmia, University of Sfax, Tunisia</i>	
<i>Fabio Grandi, University of Bologna, Italy</i>	
<i>Barbara Oliboni, University of Verona, Italy</i>	
<i>Rafik Bouaziz, University of Sfax, Tunisia</i>	
Scholarly Identity in an Increasingly Open and Digitally Connected World.....	6779
<i>Olga Belikov, Brigham Young University, USA</i>	
<i>Royce Kimmons, Brigham Young University, USA</i>	
Science Animation and Students' Attitudes.....	2599
<i>Sivasankar Arumugam, Sri Venkateswara College of Education, India</i>	
<i>Nancy Nirmala, Christ the King Matric Higher Secondary School, India</i>	
Science, Ethics, and Weapons Research	3205
<i>John Forge, Independent Researcher, Australia</i>	
Screencasts and Learning Styles	1548
<i>Rui Alberto Jesus, CESPU, Instituto de Investigação e Formação Avançada em Ciências e Tecnologias da Saúde, Portugal</i>	
Screen Culture.....	4255
<i>Ana Melro, University of Aveiro, Portugal</i>	
<i>Lídia Oliveira, University of Aveiro, Portugal</i>	
Search Engine Optimization	8046
<i>Dimitrios Giomelakis, Aristotle University of Thessaloniki, Greece</i>	
<i>Andreas A. Veglis, Aristotle University of Thessaloniki, Greece</i>	
Secure Group Key Sharing Protocols and Cloud System	1667
<i>Vaishali Ravindra Thakare, VIT University, India</i>	
<i>John Singh K, VIT University, India</i>	
Secure Software Development of Cyber-Physical and IoT Systems.....	7525
<i>Muthu Ramachandran, Leeds Metropolitan University, UK</i>	
Security of Identity-Based Encryption Algorithms	4975
<i>Kannan Balasubramanian, Mepco Schlenk Engineering College, India</i>	
<i>M. Rajakani, Mepco Schlenk Engineering College, India</i>	
Security of Internet-, Intranet-, and Computer-Based Examinations in Terms of Technical, Authentication, and Environmental, Where Are We?.....	1676
<i>Babak Sokouti, Tabriz University of Medical Sciences, Iran</i>	
<i>Massoud Sokouti, Mashhad University of Medical Sciences, Iran</i>	

Self-Awareness and Motivation Contrasting ESL and NEET Using the SAVE System	1559
<i>Laura Vettraino, Learning Community, Italy</i>	
<i>Valentina Castello, CIOFS FP, Italy</i>	
<i>Marco Guspini, educommunity – Educational Community, Italy</i>	
<i>Eleonora Guglielman, Learning Community, Italy</i>	
Semantically Enhanced Authoring of Shared Media.....	6476
<i>Charalampos A. Dimoulas, Aristotle University of Thessaloniki, Greece</i>	
<i>Andreas A. Veglis, Aristotle University of Thessaloniki, Greece</i>	
<i>George Kalliris, Aristotle University of Thessaloniki, Greece</i>	
Semantic Intelligence.....	220
<i>Maria K. Koleva, Institute of Catalysis, Bulgarian Academy of Sciences, Bulgaria</i>	
Serious Games Advancing the Technology of Engaging Information	3327
<i>Peter A. Smith, University of Central Florida, USA</i>	
<i>Clint Bowers, University of Central Florida, USA</i>	
Serious Games in Entrepreneurship Education	800
<i>Fernando Almeida, Polytechnic Institute of Gaya, Portugal</i>	
<i>Jorge Simões, ISPGaya, Portugal</i>	
Service Quality and Perceived Value of Cloud Computing-Based Service Encounters.....	1129
<i>Eges Egedigwe, Dallas County Community College, USA</i>	
Shaping Mega-Science Projects and Practical Steps for Success	5690
<i>Phil Crosby, Curtin University, Australia</i>	
Short History of Social Networking and Its Far-Reaching Impact	7116
<i>Ligu Yu, Indiana University – South Bend, USA</i>	
Simulating Complex Supply Chain Relationships Using Copulas	5583
<i>Krishnamurty Muralidhar, University of Oklahoma, USA</i>	
<i>Rathindra Sarathy, Oklahoma State University, USA</i>	
The Skills of European ICT Specialists	4785
<i>Francesca Sgobbi, University of Brescia, Italy</i>	
Sleptsov Net Computing	7731
<i>Dmitry A. Zaitsev, International Humanitarian University, Ukraine</i>	
SMS & Civil Unrest.....	6275
<i>Innocent Chiluwa, Covenant University OTA, Nigeria</i>	

Social Business Process Modeling.....	765
<i>Fadwa Yahya, University of Sfax, Tunisia</i>	
<i>Khouloud Boukadi, University of Sfax, Tunisia</i>	
<i>Zakaria Maamar, Zayed University, UAE</i>	
<i>Hanène Ben-Abdallah, King Abdulaziz University, Saudi Arabia</i>	
Social Commerce Using Social Network and E-Commerce.....	2851
<i>Roberto Marmo, University of Pavia, Italy</i>	
Social Computing.....	7796
<i>Nolan Hemmatazad, University of Nebraska at Omaha, USA</i>	
Social Issues in IT Project Teams:	777
<i>Awie C. Leonard, University of Pretoria, South Africa</i>	
<i>D. H. Van Zyl, University of Pretoria, South Africa</i>	
Social Media and Business Practices.....	7126
<i>Ashish Kumar Rathore, Indian Institute of Technology Delhi, India</i>	
<i>P. Vigneswara Ilavarasan, Indian Institute of Technology Delhi, India</i>	
Social Media Applications as Effective Service Delivery Tools for Librarians	5252
<i>Ihuoma Sandra Babatope, Delta State College of Physical Education, Nigeria</i>	
Social Media as a Channel of Constructive Dialogue for Tourism Businesses	4088
<i>Marios D. Sotiriadis, University of South Africa (UNISA), South Africa</i>	
Social Media Credit Scoring.....	7140
<i>Billie Anderson, Ferris State University, USA</i>	
<i>J. Michael Hardin, Samford University, USA</i>	
Social Media Use and Customer Engagement.....	5775
<i>Aurora Garrido-Moreno, University of Malaga, Spain</i>	
<i>Nigel Lockett, University of Lancaster, UK</i>	
<i>Victor García-Morales, University of Granada, Spain</i>	
Social Network Analysis and the Study of University Industry Relations	7150
<i>Fernando Cabrita Romero, University of Minho, Portugal</i>	
Social Networking and Knowledge Sharing in Organizations.....	7161
<i>Sarabjot Kaur, Indian Institute of Technology Kanpur, India</i>	
<i>Subhas Chandra Misra, Indian Institute of Technology Kanpur, India</i>	
Social Telerehabilitation	5930
<i>Gilberto Marzano, Rezekne Academy of Technologies, Latvia</i>	
Socio-Economic Processes, User Generated Content, and Media Pluralism	7270
<i>Androniki Kavoura, Technological Educational Institute of Athens, Greece</i>	

Sociological Perspectives on Improving Medical Diagnosis Emphasizing CAD.....	1017
<i>Joel Fisher, Department of State, United States Government, USA</i>	
Socio-Technical Change Perspective for ERP Implementation in Large Scale Organizations	2975
<i>Jessy Nair, PES University, India</i>	
<i>D. Bhanusree Reddy, VIT University, India</i>	
<i>Anand A. Samuel, VIT University, India</i>	
Software Development Process Standards for Very Small Companies	6927
<i>Rory V. O'Connor, Dublin City University, Ireland</i>	
Software Evaluation From the Perspective of Patients and Healthcare Professionals.....	3782
<i>Rui Pedro Charters Lopes Rijo, Polytechnic Institute of Leiria, Portugal</i>	
<i>Domingos Alves, University of São Paulo, Brazil</i>	
Software Literacy	7539
<i>Elaine Khoo, University of Waikato, New Zealand</i>	
<i>Craig Hight, University of Newcastle, Australia</i>	
Software Process Improvement for Web-Based Projects Comparative View.....	7549
<i>Thamer Al-Rousan, Isra University, Pakistan</i>	
Sport Exergames for Physical Education	7358
<i>Pooya Soltani, University of Porto, Portugal</i>	
<i>João Paulo Vilas-Boas, University of Porto, Portugal</i>	
State of the Art and Key Design Challenges of Telesurgical Robotics.....	6872
<i>Sajid Nisar, National University of Science and Technology, Pakistan</i>	
<i>Osman Hasan, National University of Science and Technology, Pakistan</i>	
Staying Ahead in Business Through Innovation.....	5705
<i>N. Raghavendra Rao, FINAIT Consultancy Services, India</i>	
Steganography Using Biometrics.....	4985
<i>Manashee Kalita, NERIST, India</i>	
<i>Swanirbhar Majumder, NERIST, India</i>	
Strategic Information Systems Planning.....	912
<i>Maria Kamariotou, University of Macedonia, Greece</i>	
<i>Fotis Kitsios, University of Macedonia, Greece</i>	
Stress Testing Corporations and Municipalities and Supply Chains	6813
<i>Frank Wolf, CSSTA L3C, USA</i>	
A Study of Contemporary System Performance Testing Framework.....	7563
<i>Alex Ng, Federation University, Australia</i>	
<i>Shiping Chen, CSIRO Data61, Australia</i>	

A Study on Extensive Reading in Higher Education.....	3945
<i>Diana Presadă, Petroleum-Gas University of Ploiești, Romania</i>	
<i>Mihaela Badea, Petroleum-Gas University of Ploiești, Romania</i>	
Suggestions for Communication of Information for Multicultural Co-Existence	7327
<i>Noriko Kurata, Tokyo University of Science, Suwa, Japan</i>	
The Summers and Winters of Artificial Intelligence	229
<i>Tad Gonsalves, Sophia University, Japan</i>	
A Survey of People Localization Techniques Utilizing Mobile Phones.....	6286
<i>Levent Bayindir, Ataturk University, Turkey</i>	
Sustainable Advantages of Business Value of Information Technology	923
<i>Jorge A. Romero, Towson University, USA</i>	
Sustainable Competitive Advantage With the Balanced Scorecard Approach.....	5714
<i>Jorge Gomes, ISEG, Universidade de Lisboa, Portugal</i>	
<i>Mário José Batista Romão, ISEG, Universidade de Lisboa, Portugal</i>	
Swarm Intelligence for Multi-Objective Optimization in Engineering Design	239
<i>Janga Reddy Manne, Indian Institute of Technology Bombay, India</i>	
A Tale of Two Agile Requirements Engineering Practices	7577
<i>Pankaj Kamthan, Concordia University, Canada</i>	
<i>Terrill Fancott, Concordia University, Canada</i>	
Taxonomy for “Homo Consumens” in a 3.0 Era	1638
<i>Carlos Ballesteros, Universidad Pontificia Comillas, Spain</i>	
Teacher Presence.....	7922
<i>Caroline M. Crawford, University of Houston – Clear Lake, USA</i>	
Teaching Media and Information Literacy in the 21st Century	2292
<i>Sarah Gretter, Michigan State University, USA</i>	
<i>Aman Yadav, Michigan State University, USA</i>	
Technological Innovation and Use in the Early Days of Camera Phone Photo Messaging.....	6296
<i>Jonathan Lillie, Loyola University, USA</i>	
The Technological Pedagogical Content Knowledge of EFL Teachers (EFL TPACK)	7659
<i>Mehrak Rahimi, Shahid Rajaee Teacher Training University, Iran</i>	
<i>Shakiba Pourshahbaz, Shahid Rajaee Teacher Training University, Iran</i>	
Technology and Terror.....	3637
<i>Maximiliano Emanuel Korstanje, University of Palermo, Argentina</i>	
<i>Geoffrey Skoll, SUNY at Buffalo, USA</i>	

Technology Assessment of Information and Communication Technologies	4267
<i>Armin Grunwald, Karlsruhe Institute of Technology, Germany</i>	
<i>Carsten Orwat, Karlsruhe Institute of Technology, Germany</i>	
Technology Design and Routes for Tool Appropriation in Medical Practices	3794
<i>Manuel Santos-Trigo, Cinvestav-IPN, Mexico</i>	
<i>Ernesto Suaste, Cinvestav-IPN, Mexico</i>	
<i>Paola Figuerola, Cinvestav-IPN, Mexico</i>	
Technology Policies and Practices in Higher Education	3954
<i>Kelly McKenna, Colorado State University, USA</i>	
Technology, Learning Styles, Values, and Work Ethics of Millennials.....	4358
<i>Harish C. Chandan, Argosy University, USA</i>	
Telesurgical Robotics and a Kinematic Perspective	6882
<i>Sajid Nisar, National University of Sciences and Technology, Pakistan</i>	
<i>Osman Hasan, National University of Sciences and Technology, Pakistan</i>	
Theory and Practice of Online Knowledge Sharing	5093
<i>Will W. K. Ma, Hong Kong Shue Yan University, Hong Kong</i>	
Three Cases of Unconventional Educational Uses of Digital Storytelling	2616
<i>Emmanuel Fokides, University of the Aegean, Greece</i>	
3D Printing Applications in STEM Education	2626
<i>Norman Gwangwava, Botswana International University of Science and Technology, Botswana</i>	
<i>Catherine Hlahla, National University of Science and Technology, Zimbabwe</i>	
3D Scanning and Simulation of a Hybrid Refrigerator Using Photovoltaic Energy	1277
<i>Edith Obregón Morales, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, Mexico</i>	
<i>José de Jesús Pérez Bueno, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, Mexico</i>	
<i>Juan Carlos Moctezuma Esparza, Universidad Politécnica Metropolitana de Hidalgo, Mexico</i>	
<i>Diego Marroquín García, Universidad Tecnológica de San Juan del Río, Mexico</i>	
<i>Arturo Trejo Pérez, Universidad Tecnológica de San Juan del Río, Mexico</i>	
<i>Roberto Carlos Flores Romero, Universidad Tecnológica de San Juan del Río, Mexico</i>	
<i>Juan Manuel Olivares Ramírez, Universidad Tecnológica de San Juan del Río, Mexico</i>	
<i>Maria Luisa Mendoza López, Tecnológico Nacional de México, Instituto Tecnológico de Querétaro, Mexico</i>	
<i>Juan Carlos Solís Ulloa, Instituto Tecnológico Superior de Cintalapa, Mexico</i>	
<i>Yunny Meas Vong, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, Mexico</i>	
<i>Víctor Hugo Rodríguez Obregón, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, Mexico</i>	

A Three-Vector Approach to Blind Spots in Cybersecurity.....	1684
<i>Mika Westerlund, Carleton University, Canada</i>	
<i>Dan Craigen, Carleton University, Canada</i>	
<i>Tony Bailetti, Carleton University, Canada</i>	
<i>Uruemu Agwae, Carleton University, Canada</i>	
Throughput Dependence on SNR in IEEE802.11 WLAN Systems	6618
<i>Ikponmwosa Oghogho, Delta State University, Abraka-Oleh Campus, Nigeria</i>	
Tools, Pedagogical Models, and Best Practices for Digital Storytelling	2641
<i>Jari Multisilta, Tampere University of Technology, Finland</i>	
<i>Hannele Niemi, University of Helsinki, Finland</i>	
Toward a Working Definition of Digital Literacy.....	2326
<i>Margaret-Mary Sulentic Dowell, Louisiana State University, USA</i>	
Towards a General Theory of Information	4459
<i>Laura L. Pană, Polytechnic University of Bucharest, Romania</i>	
Towards an Interdisciplinary Socio-Technical Definition of Virtual Communities	4278
<i>Umar Ruhi, University of Ottawa, Canada</i>	
Towards an Understanding of Performance, Reliability, and Security	7588
<i>Ye Wang, Zhejiang Gongshang University, China</i>	
<i>Bo Jiang, Zhejiang Gongshang University, China</i>	
<i>Weifeng Pan, Zhejiang Gongshang University, China</i>	
Towards Modelling Effective Educational Games Using Multi-Domain Framework.....	3337
<i>Mifrah Ahmad, Universiti Teknologi PETRONAS, Malaysia</i>	
<i>Lukman Ab Rahim, Universiti Teknologi PETRONAS, Malaysia</i>	
<i>Kamisah Osman, Universiti Kebangsaan Malaysia, Malaysia</i>	
<i>Noreen Izza Arshad, Universiti Teknologi PETRONAS, Malaysia</i>	
Toward Trustworthy Web Services Coordination.....	8056
<i>Wenbing Zhao, Cleveland State University, USA</i>	
The Trajectivity of Virtual Worlds.....	4296
<i>Christophe Duret, Université de Sherbrooke, Canada</i>	
Transformational Leadership for Academic Libraries in Nigeria.....	5726
<i>Violet E. Ikolo, Delta State University Library, Nigeria</i>	
Transmedia and Transliteracy in Nemetrical Analysis.....	6488
<i>Michael Josefowicz, Nemetics Institute Kolkata, USA</i>	
<i>Ray Gallon, The Transformation Society, France</i>	
<i>Maria Nieves Lorenzo Galés, The Transformation Society, Spain</i>	

The Trends and Challenges of 3D Printing.....	4382
<i>Edna Ho Chu Fang, University of Malaya, Malaysia</i>	
<i>Sameer Kumar, University of Malaya, Malaysia</i>	
Trends in Health Care Information Technology and Informatics	3805
<i>T. Ray Ruffin, University of Phoenix, USA & Colorado Technical University, USA & Grand Canyon University, USA & Ashford University, USA, & North Carolina Wesleyan College, USA</i>	
<i>Donna Patterson Hawkins, University of Phoenix, USA</i>	
Trust and Decision Making in Turing's Imitation Game.....	251
<i>Huma Shah, Coventry University, UK</i>	
<i>Kevin Warwick, Coventry University, UK</i>	
A Trust Case-Based Model Applied to Agents Collaboration.....	4797
<i>Felipe Boff, Lutheran University of Brazil (ULBRA), Brazil</i>	
<i>Fabiana Lorenzi, Lutheran University of Brazil (ULBRA), Brazil</i>	
Twitter Data Mining for Situational Awareness.....	2064
<i>Marco Vernier, University of Udine, Italy</i>	
<i>Manuela Farinosi, University of Udine, Italy</i>	
<i>Gian Luca Foresti, University of Udine, Italy</i>	
Uberization (or Uberification) of the Economy	2345
<i>Nabyla Daidj, Telecom Ecole de Management, France</i>	
Ubiquitous Computing, Contactless Points, and Distributed Stores.....	7805
<i>Marco Savastano, Sapienza University of Rome, Italy</i>	
<i>Eleonora Pantano, Middlesex University London, UK</i>	
<i>Saverino Verteramo, University of Calabria, Italy</i>	
Ubiquitous Teachers' Training and Lessons Learned with the uProf! Model	7671
<i>Sabrina Leone, Università Politecnica delle Marche, Italy</i>	
<i>Giovanni Biancofiore, giovannibiancofiore.com, Italy</i>	
Uncovering Limitations of E01 Self-Verifying Files	1384
<i>Jan Krasniewicz, Birmingham City University, UK</i>	
<i>Sharon A. Cox, Birmingham City University, UK</i>	
Understanding and Assessing Quality of Models and Modeling Languages	4810
<i>John Krogstie, Norwegian University of Science and Technology, Norway</i>	
Understanding Business Models on the Cloud	1141
<i>Arash Najmaei, Australian Catholic University, Australia</i>	

Understanding Cloud Computing in a Higher Education Context	1153
<i>Lucy Self, University of Sussex, UK</i>	
<i>Petros Chamakiotis, University of Sussex, UK</i>	
The Understanding of Spatial-Temporal Behaviors.....	1344
<i>Yu-Jin Zhang, Tsinghua University, China</i>	
Understanding the Potentials of Social Media in Collaborative Learning.....	7168
<i>Adem Karahoca, Bahcesehir University, Turkey</i>	
<i>Ilker Yengin, A*STAR, Institute of High Performance Computing, Singapore</i>	
Understanding User Experience	7599
<i>Camille Dickson-Deane, University of Melbourne, Australia</i>	
<i>Hsin-Liang (Oliver) Chen, University of Massachusetts Boston, USA</i>	
Uniform Random Number Generation With Jumping Facilities	1297
<i>E. Jack Chen, BASF Corporation, USA</i>	
The University-Industry Collaboration.....	3963
<i>Marcello Fernandes Chedid, University of Aveiro, Portugal</i>	
<i>Leonor Teixeira, University of Aveiro, Portugal</i>	
An Update on Bitcoin as a Digital Currency	2861
<i>Cecilia G. Manrique, University of Wisconsin – La Crosse, USA</i>	
<i>Gabriel G. Manrique, Winona State University, USA</i>	
Usability Evaluation of Tourism Icons in India.....	4099
<i>Rajshree Tushar Akolkar, Zeal College of Engineering and Research, India</i>	
<i>Ganesh D. Bhutkar, Vishwakarma Institute of Technology, India</i>	
Usability of CAPTCHA in Online Communities and Its Link to User Satisfaction.....	8066
<i>Samar I. Swaid, Philander Smith College, USA</i>	
Usable Security	5004
<i>Andrea Atzeni, Politecnico di Torino, Italy</i>	
<i>Shamal Faily, Bournemouth University, UK</i>	
<i>Ruggero Galloni, Square Reply S.r.l., Italy</i>	
Use of Bitcoin for Internet Trade	2869
<i>Sadia Khalil, NUST School of Electrical Engineering and Computer Science, Pakistan</i>	
<i>Rahat Masood, NUST School of Electrical Engineering and Computer Science, Pakistan</i>	
<i>Muhammad Awais Shibli, VisionIT, USA</i>	
Use of Data Analytics for Program Impact Evaluation and Enhancement of Faculty/Staff Development	1880
<i>Samuel Olugbenga King, Auburn University, USA</i>	

Use of GIS and Remote Sensing for Landslide Susceptibility Mapping	3503
<i>Arzu Erener, Kocaeli University, Turkey</i>	
<i>Gulcan Sarp, Suleyman Demirel University, Turkey</i>	
<i>Sebnem Duzgun, Middle East Technical University, Turkey</i>	
 The Use of Postcasting/Vodcasting in Education	2651
<i>Athanasios T. Stavrianos, 2nd Technical Vocational School of Xanthi, Greece</i>	
<i>Apostolos Syropoulos, Greek Molecular Computing Group, Greece</i>	
 Use of Technology in Problem-Based Learning in Health Science.....	5853
<i>Indu Singh, Griffith University, Australia</i>	
<i>Avinash Reddy Kundur, Griffith University, Australia</i>	
<i>Yun-Mi Nguy, Griffith University, Australia</i>	
 User Resistance to Health Information Technology	3816
<i>Madison N. Ngafeeson, Northern Michigan University, USA</i>	
 Users Behavioral Intention Towards eGovernment in an African Developing Country	3654
<i>Ayankunle A. Taiwo, Texas A&M University – Commerce, USA</i>	
 Using Business Analytics in Franchise Organizations.....	930
<i>Ye-Sho Chen, Louisiana State University, USA</i>	
 Using Communities of Inquiry Online to Perform Tasks of Higher Order Learning.....	3976
<i>Ramon Tirado-Morueta, University of Huelva, Spain</i>	
<i>Pablo Maraver-López, University of Huelva, Spain</i>	
<i>Ángel Hernando-Gómez, University of Huelva, Spain</i>	
 Using Global Appearance Descriptors to Solve Topological Visual SLAM.....	6894
<i>Lorenzo Fernández Rojo, Miguel Hernandez University, Spain</i>	
<i>Luis Paya, Miguel Hernández University, Spain</i>	
<i>Francisco Amoros, Miguel Hernandez University, Spain</i>	
<i>Oscar Reinoso, Miguel Hernandez University, Spain</i>	
 Using Receiver Operating Characteristic (ROC) Analysis to Evaluate Information -Based Decision-Making.....	2213
<i>Nan Hu, University of Utah, USA</i>	
 Using RFID and Barcode Technologies to Improve Operations Efficiency Within the Supply Chain	5595
<i>Amber A. Smith-Ditizio, Texas Woman's University, USA</i>	
<i>Alan D. Smith, Robert Morris University, USA</i>	
 Using Social Media to Increase the Recruitment of Clinical Research Participants	7181
<i>Saliha Akhtar, Seton Hall University, USA</i>	

Using Technology to Reduce a Healthcare Disparity	3725
<i>Nilmini Wickramasinghe, Epworth HealthCare, Australia & Deakin University, Australia</i>	
Utilizing Information Science and Technology in Franchise Organizations	4822
<i>Ye-Sho Chen, Louisiana State University, USA</i>	
A Validation Study of Rehabilitation Exercise Monitoring Using Kinect.....	5941
<i>Wenbing Zhao, Cleveland State University, USA</i>	
<i>Deborah D. Espy, Cleveland State University, USA</i>	
<i>Ann Reinthal, Cleveland State University, USA</i>	
Vertical Integration Between Providers With Possible Cloud Migration	1164
<i>Aleksandra Kostic-Ljubisavljevic, University of Belgrade, Serbia</i>	
<i>Branka Mikavica, University of Belgrade, Serbia</i>	
Video Considerations for the World Language edTPA.....	7682
<i>Elizabeth Goulette, Georgia State University, USA</i>	
<i>Pete Swanson, Georgia State University, USA</i>	
Viewpoints on Business Process Models.....	788
<i>Giorgio Bruno, Politecnico di Torino, Italy</i>	
Virtual Hoarding	4306
<i>Jo Ann Oravec, University of Wisconsin – Whitewater, USA</i>	
Virtualization as the Enabling Technology of Cloud Computing.....	1174
<i>Mohamed Fazil Mohamed Firdhous, University of Moratuwa, Sri Lanka</i>	
Virtual Reality as Distraction Technique for Pain Management in Children and Adolescents	5955
<i>Barbara Atzori, University of Florence, Italy</i>	
<i>Hunter G. Hoffman, University of Washington, USA</i>	
<i>Laura Vagnoli, Meyer Children's Hospital of Florence, Italy</i>	
<i>Andrea Messeri, Meyer Children's Hospital of Florence, Italy</i>	
<i>Rosapia Lauro Grotto, University of Florence, Italy</i>	
Virtual Tourism and Its Potential for Tourism Development in Sub-Saharan Africa.....	4113
<i>Paul Ankomah, North Carolina A&T State University, USA</i>	
<i>Trent Larson, North Carolina A&T University, USA</i>	
Virtual Worlds in the Educational Context.....	7935
<i>Felipe Becker Nunes, Federal University of Rio Grande do Sul, Brazil</i>	
<i>Fabrício Herpich, Federal University of Rio Grande do Sul, Brazil</i>	
<i>Leo Natan Paschoal, University of Cruz Alta, Brazil</i>	

Visible Light Communication Numerous Applications.....	6672
<i>Ala' Fathi Khalifeh, German Jordan University, Jordan</i>	
<i>Hasan Farahneh, Ryerson University, Canada</i>	
<i>Christopher Mekhiel, Ryerson University, Canada</i>	
<i>Xavier Fernando, Ryerson University, Canada</i>	
Visual Identity Design for Responsive Web	8079
<i>Sunghyun Ryoo Kang, Iowa State University, USA</i>	
<i>Debra Satterfield, California State University – Long Beach, USA</i>	
Visualization as a Knowledge Transfer.....	5103
<i>Anna Ursyn, University of Northern Colorado, USA</i>	
The Vital Importance of Faculty Presence in an Online Learning Environment	2661
<i>Ni Chang, Indiana University – South Bend, USA</i>	
Vitalizing Ancient Cultures Mythological Storytelling in Metal Music	7338
<i>Uğur Kilinç, Ondokuz Mayıs University, Turkey</i>	
Viterbi Decoder in Hardware	6307
<i>Mário Pereira Véstias, Instituto Politecnico de Lisboa, Portugal</i>	
Waste Gas End-of-Pipe Treatment Techniques in Italian IPPC Chemical Plants.....	3156
<i>Gaetano Battistella, ISPRA, Italy</i>	
<i>Giuseppe Di Marco, ISPRA, Italy</i>	
<i>Carlo Carlucci, ISPRA, Italy</i>	
<i>Raffaella Manuzzi, ISPRA, Italy</i>	
<i>Federica Bonaiuti, ISPRA, Italy</i>	
<i>Celine Ndong, ISPRA, Italy</i>	
Web Site Mobilization Techniques	8087
<i>John Christopher Sandvig, Western Washington University, USA</i>	
Web 2.0 From Evolution to Revolutionary Impact in Library and Information Centers.....	5262
<i>Zahid Ashraf Wani, University of Kashmir, India</i>	
<i>Tazeem Zainab, University of Kashmir, India</i>	
<i>Shabir Hussain, University of Kashmir, India</i>	
What Accounts for the Differences in Internet Diffusion Rates Around the World?.....	8095
<i>Ravi Nath, Creighton University, USA</i>	
<i>Vasudeva Murthy, Creighton University, USA</i>	
The What, How, and When of Formal Methods.....	7609
<i>Aristides Dasso, Universidad Nacional de San Luis, Argentina</i>	
<i>Ana Funes, Universidad Nacional de San Luis, Argentina</i>	

Why It Is Difficult to Disengage From Facebook	7190
<i>Sonda Bouattour Fakhfakh, University of Tunis El-Manar, Tunisia</i>	
Wireless Implant Communications Using the Human Body	6319
<i>Assefa K. Teshome, Victoria University, Australia</i>	
<i>Behailu Kibret, Victoria University, Australia</i>	
<i>Daniel T. H. Lai, Victoria University, Australia</i>	
Women and IT in Lilongwe	3393
<i>Alice Violet Nyamundundu, Skyway University, Malawi</i>	
Word Formation Study in Developing Naming Guidelines in the Translation of English Medical Terms Into Persian	5136
<i>Ali Akbar Zeinali, Universiti Sains Malaysia, Malaysia</i>	
Young People, Civic Participation, and the Internet.....	3667
<i>Fadi Hirzalla, Erasmus University Rotterdam, The Netherlands</i>	
<i>Shakuntala Banaji, LSE, UK</i>	