

## IEEE IRI 2013 Main Conference Program

August 14, 2013, Wednesday (Day 1)	
8:00 am - 5:00 pm	Conference Registration (Conference Registration Desk at Ballroom Foyer)
7:30-8:15am	Informal Meet & Greet - Breakfast <i>(Veranda)</i>
8:15-8:30am	Welcome, Conference Opening Remarks <i>(Bordeaux)</i>
8:30-9:30am	<b>KEYNOTE 1:</b> <b>Professor Lotfi A. Zadeh, UC Berkeley, CA, USA</b> <b><i>Toward a Restriction-Centered Theory of Truth and Meaning</i></b> <i>(Bordeaux)</i>
9:30-9:50am	Break <i>(Ballroom Foyer)</i>
<b>9:50am-11:50am</b>	<b>Session A1</b>
	<b>Session A11</b> <i>(Grand Salon)</i> <b>Information Security &amp; Privacy</b> Chair: Du Zhang California State University, Sacramento, USA
20 (Application Paper)	FIEP: An Initial Design of A Firewall Information Exchange Protocol Sandeep Reddy Pedditi, Du Zhang and Chung-E Wang California State University, Sacramento, USA
33 (Regular Research paper)	Predicting Susceptibility to Social Bots on Twitter Randall Wald <sup>(1)</sup> , Taghi M. Khoshgoftaar <sup>(1)</sup> , Amri Napolitano <sup>(1)</sup> and Chris Sumner <sup>(2)</sup> <sup>(1)</sup> Florida Atlantic University, USA <sup>(2)</sup> Online Privacy Foundation, USA
85 (Regular Research paper)	Simulation-Based Validation for Smart Grid Environments Wonkyu Han, Michael Mabey and Gail-Joon Ahn Arizona State University, USA
146 (Regular Research paper)	A Moving Target Defense Approach for Protecting Resource-Constrained Distributed Devices Valentina Casola <sup>(1)</sup> , Alessandra De Benedictis <sup>(1)</sup> and Massimiliano Albanese <sup>(2)</sup> <sup>(1)</sup> University of Naples Federico II, Italy <sup>(2)</sup> George Mason University, USA
	<b>Session A12</b> <i>(Blue Room)</i> <b>Recommender Systems</b> Chair: Gordon Lee San Diego State University, USA

26 (Regular Research paper)	Tag-based Top-N Recommendation Using a Pairwise Topic Model Zhengyang Li and Congfu Xu Zhejiang University, China
63 (Application Paper)	Bayesian Model for a Multicriteria Recommender System with Support Vector Regression Pannawit Samatthiyadikun <sup>(1)</sup> , Atsuhiko Takasu <sup>(1, 2)</sup> and Saranya Maneeroj <sup>(3)</sup> <sup>(1)</sup> SOKENDAI, Japan <sup>(2)</sup> NII, Japan <sup>(3)</sup> Chulalongkorn University, Thailand
86 (Regular Research paper)	WS-Rec: Web Services Recommendations using Heterogeneous Criteria Anna Squicciarini <sup>(1)</sup> , Barbara Carminati <sup>(2)</sup> and Sushama Karumanchi <sup>(1)</sup> <sup>(1)</sup> Pennsylvania State University, USA <sup>(2)</sup> University of Insubria, Varese
129 (Regular Research paper)	Constrained by Limited Information and Recommendation Opportunities: An Exploration and Exploitation Problem for Recommender Systems Simon Chan University College London, UK
11:50am-1:15pm	Lunch (on your own)
1:15-3:15pm	<b>Session A2</b>
	<b>Session A21</b> (Grand Salon) <b>Data Mining I</b> Chair: Taghi M. Khoshgoftaar Florida Atlantic University, USA
93 (Regular Research paper)	Solving Minimum Cut Based Multi-Label Classification Problem with Semi-Definite Programming Method Guangzhi Qu Oakland University, USA
142 (Application Paper)	The Importance of Performance Metrics Within Wrapper Feature Selection Randall Wald, Taghi Khoshgoftaar and Amri Napolitano Florida Atlantic University, USA
59 (Regular Research paper)	Interpreting random forest models using a feature contribution method Anna Palczewska <sup>(1)</sup> , Jan Palczewski <sup>(2)</sup> , Richard Marchese Robinson <sup>(3)</sup> and Daniel Neagu <sup>(1)</sup> <sup>(1)</sup> University of Bradford, UK <sup>(2)</sup> University of Leeds, UK <sup>(3)</sup> Syngenta Ltd, UK
167 (Invited Paper)	Entity Disambiguation in Tweets leveraging User Social Profiles Surender Reddy Yerva <sup>(1)</sup> , Michele Catasta <sup>(1)</sup> , Gianluca Demartini <sup>(2)</sup> and Karl Aberer <sup>(1)</sup> <sup>(1)</sup> EPFL, Switzerland <sup>(2)</sup> University of Fribourg, Switzerland
	<b>Session A22</b> (Blue Room) <b>Databases, Structured/Semi-Structured Data I</b> Chair: Qussai Yaseen Yarmouk University, Jordan
162 (Invited Paper)	Cross-Tenant Trust Models in Cloud Computing

	Bo Tang and Ravi Sandhu University of Texas at San Antonio, USA
143 (Application Paper)	PEP-Side Caching: An Insider Threat Port Qussai Yaseen <sup>(1)</sup> , Qutaibah Althebyan <sup>(2)</sup> and Yaser Jararweh <sup>(2)</sup> <sup>(1)</sup> Yarmouk University, Jordan <sup>(2)</sup> Jordan University of Science and Technology, Jordan
13 (Application Paper)	Web-based Metadata Retrieval Tool for Fine Art and Games Artwork Adam Aboutaleb <sup>(1)</sup> , Riham Khalil <sup>(1)</sup> , David Stockton <sup>(1)</sup> and Sheona Jackson <sup>(2)</sup> <sup>(1)</sup> De Montfort University, UK <sup>(2)</sup> Idhammar Systems Ltd., UK
68 (Regular Research paper)	VFDS: Very Fast Database Sampling System Teodora Sandra Buda <sup>(1)</sup> , Thomas Cerqueus <sup>(1)</sup> , John Murphy <sup>(1)</sup> and Morten Kristiansen <sup>(2)</sup> <sup>(1)</sup> University College Dublin, Ireland <sup>(2)</sup> IBM Software Group, Dublin, Ireland
	<b>Session A23</b> (Salon 1) <b>Special Session on Education and Special Session on Robotics and Intelligent Machines</b> Chair: <sup>1</sup> June R. Massoud, <sup>2</sup> Stuart H. Rubin, and <sup>3</sup> Gordon Lee <sup>1</sup> School Boards in Montreal, Canada <sup>2</sup> SPAWAR Systems Center Pacific (SSC-Pacific), USA <sup>3</sup> San Diego State University, USA
168 Position paper presentation	A Vision of Education in 50 Years From Now June Rosemarie Massoud School Boards in Montreal, Canada
79 (Regular Research paper)	The possibilities of using Petri Nets for realization of a Universal Model of Educational Process Zoltán Balogh, Milan Turčáni and Martin Magdin Constantine the Philosopher University in Nitra, Slovakia
149 (Regular Research paper)	Geographic Clustering of Research Universities in Specialized Fields using Microsoft Academic Search David Kaczynski and Gongzhu Hu Central Michigan University, USA
127 (Regular Research paper)	Autonomy Requirements Engineering Emil Vassev and Mike Hinchey University of Limerick, Ireland
132 (Regular Research paper)	Service-Oriented Middleware for Collaborative UAVs Nader Mohamed <sup>(1)</sup> and Jameela Al-Jaroodi <sup>(2)</sup> <sup>(1)</sup> UAEU, Al Ain, UAE <sup>(2)</sup> Middleware Technologies Lab., Bahrain
3:15-3:30pm	Break (Ballroom Foyer)
3:30-5:30pm	<b>Session A3</b> <b>Session A31</b>

	<i>(Grand Salon)</i> <b>Component-based Design and Reuse</b> Chair: Massimiliano Albanese George Mason University, USA
84 (Regular Research paper)	Mining Reusable Software Components from Object-Oriented Source Code of a Set of Similar Software Anas Shatnawi and Abdelhak Seriai Université Montpellier 2 Sciences et Techniques, France
40 (Application Paper)	Detecting Distributed Software Components That Will Not Cause Emergent Behavior in Asynchronous Communication Style Fatemeh Hendijani Fard and Behrouz H. Far University of Calgary, Canada
103 (Regular Research paper)	Feature-to-Code Traceability in a Collection of Software Variants: Combining Formal Concept Analysis and Information Retrieval Hamzeh Eyal-Salman, Abdelhak-Djamel Seriai and Christophe Dony LIRMM Laboratory, France
61 (Regular Research paper)	A Component-Based Language Specific to Complex Systems Modeling Thouraya Bouabana-Tebibel <sup>(1)</sup> , Stuart H. Rubin <sup>(2)</sup> , Kadaouia Habib <sup>(1)</sup> , Sofia Mellah <sup>(1)</sup> and Lynda Allata <sup>(1)</sup> <sup>(1)</sup> Ecole Nationale Supérieure d'Informatique – Algiers, ALGERIA <sup>(2)</sup> SPAWAR Systems Center Pacific – San Diego, USA
6- 8pm	<b>Poster Exhibition (Start time: 6:15PM)</b> <b>Reception (Start time: 7PM)</b> <b>(Veranda)</b> <b>Chairs:</b>  James Joshi University of Pittsburgh, USA Chengcui Zhang The University of Alabama at Birmingham, USA
80 (Poster)	A linear filtering theory-based approach for load shedding Lorena Chavarría-Báez and Rosaura Palma-Orozco Instituto Politécnico Nacional, Mexico
83 (Poster)	Reinforcement of Trust in DSR Fatma Laidoui <sup>(1)</sup> and Thouraya Bouabana-Tebibel <sup>(2)</sup> <sup>(1)</sup> École nationale Supérieure d'Informatique – ESI, Algeria <sup>(2)</sup> Ecole Militaire Polytechnique – EMP, Algeria
17 (Poster)	Federated Ensemble Kalman Filter in No Reset Mode Design Maryam Kazerooni <sup>(1)</sup> , Faridoun Shabaninia <sup>(1)</sup> , Mohanmad Vaziri <sup>(1)</sup> and Suresh Vadhma <sup>(2)</sup> <sup>(1)</sup> Shiraz University, Iran <sup>(2)</sup> California State University, Sacramento, USA
153 (Poster)	ReadFast: Optimizing Structural Search Relevance for Big Biomedical Text Michael Gubanov and Anna Pyayt <sup>(1)</sup> Massachusetts Institute of Technology, USA

	<sup>(2)</sup> University of South Florida, USA
154 (Poster)	Using online stream-processing for portable electroencephalography system for stress and fear detect Surya Cheemalapati <sup>(1)</sup> , Michael Gubanov <sup>(2)</sup> , Michael Del Vale <sup>(1)</sup> and Anna Pyayt <sup>(1)</sup> <sup>(1)</sup> University of South Florida, USA <sup>(2)</sup> Massachusetts Institute of Technology, USA
91 (Poster)	Natural Image Segmentation Using Morphological Mathematics and Fuzzy Logic Victoria Lynn Fox and Mariofana Milanova University of Arkansas at Little Rock, USA
94 (Poster)	Understanding Environmental Influences on Performing Password-based Mobile Authentication Sergey V. Maydebura, Dong Hyun Jeong and Byunggu Yu University of the District of Columbia, USA
10 (Poster)	Distributed Ensemble Kalman Filter for Multisensor Application Maryam Kazerooni <sup>(1)</sup> , Faridoon Shabaninia <sup>(1)</sup> , Mohanmad Vaziri <sup>(1)</sup> and Suresh Vadhva <sup>(2)</sup> <sup>(1)</sup> Shiraz University, Iran <sup>(2)</sup> California State University, Sacramento, USA

IEEE IRI 2013 Detailed Program, August 14-16, 2013, Sofitel Hotel, San Francisco, USA

August 15, 2013, Thursday (Day 2)	
8:00 am - 5:00 pm	Conference Registration (Conference Registration Desk at Ballroom Foyer)
7:30-8:30am	Informal Meet & Greet - Breakfast <i>(Veranda)</i>
8:30-9:30am	<b>KEYNOTE 2:</b> <b>Professor Ravi Sandhu</b> , University of Texas at San Antonio, USA <b><i>The Future of Access Control: Attributes, Automation and Adaptation</i></b> <i>(Bordeaux)</i>
9:30-9:50am	Break <i>(Ballroom Foyer)</i>
<b>9:50-11:50am</b>	<b>Session B1</b>
	<b>Session B1</b> <i>(Grand Salon)</i> <b>Artificial Intelligence and Optimization</b> Chair: Gongzhu Hu Central Michigan University, USA
51 (Application Paper)	Improving the Accomplishment of a Neural Network Based Agent for Draughts that Operates in a Distributed Learning Environment Lidia B. P. Tomaz, Rita M. S. Julia and Ayres R. A. Barcelos Federal University of Uberlândia, Brazil
53 (Regular Research Paper)	Optimal Retrieval Algorithms for Personalized Content Aggregation Dan He and Douglass Parker <sup>(1)</sup> IBM T.J. Watson Research, USA <sup>(2)</sup> UCLA, USA
56 (Regular Research Paper)	About logic-based A.I. systems that must handle more informative subsumed knowledge Eric Gregoire Universit'e d'Artois, France
71 (Regular Research Paper)	Extracting and enriching workflows from text Pol Schumacher, Mirjam Minor and Eric Schulte-Zurhausen Goethe Universit"at Frankfurt, Germany
	<b>Session B12</b> <i>(Blue Room)</i> <b>Systems and Process Engineering</b> Chair: Martin B.H. Weiss University of Pittsburgh
50	Siphon-Based Deadlock Prevention Policy for Interorganizational WorkFlow net Design Luciane Silva, LÍgia Passos, Michel Soares and Stéphanie Julia Federal University of Uberlândia, UFU, Brazil
158 (Invited Paper)	CRIS - Computational Research Infrastructure for Science

	Eduard Dragut, Peter Baker, Jia Xu, Muhammad Sarfraz, Elisa Bertino, Amgad Madhkour, Raghu Agarwal, Ahmed Mahmood and Sangchun Han Purdue University, USA
161 (Invited Paper)	Integrating Information from Multiple Layers to Detect Data Exfiltration Puneet Sharma, Anupam Joshi and Tim Finin University of Maryland, USA
	<b>Session B13</b> ( <i>Salon 1</i> ) <b>Biomedical &amp; Healthcare Systems</b> Chair: Taghi M. Khoshgoftaar Florida Atlantic University, USA
44 (Application Paper)	Feature List Aggregation Approaches for Ensemble Gene Selection on Patient Response Datasets Taghi Khoshgoftaar, Randall Wald, David Dittman and Amri Napolitano Florida Atlantic University, USA
66 (Application Paper)	The Use of Balance-Aware Subsampling for Bioinformatics Datasets Randall Wald, Taghi Khoshgoftaar and Alireza Fazelpour Florida Atlantic University, USA
88 (Regular Research Paper)	Towards a Minimum Description Length Based Stopping Criterion for Semi-Supervised Time Series Classification Nurjahan Begum, Bing Hu, Thanawin Rakthanmanon and Eamonn Keogh <sup>(1)</sup> University of California, Riverside, USA <sup>(2)</sup> Kasetsart University, Thailand
140 (Regular Research Paper)	Gene Selection Stability's Dependence on Dataset Difficulty David Dittman, Taghi Khoshgoftaar, Randall Wald and Amri Napolitano Florida Atlantic University, USA
11:50am-1:15pm	Lunch (on your own)
<b>1:15-3:45pm</b>	<b>Session B2</b>
	<b>Session B21</b> ( <i>Grand Salon</i> ) <b>Cloud Computing and Large Scale Data and System Integration</b> Chair: Li Tan Washington State University, USA
102 (Regular Research Paper)	An Integrated Cloud-Based Platform for Labor Monitoring and Data Analysis in Precision Agriculture Li Tan, Ronald Haley, Riley Wortman, Yiannis Ampatzidis and Matthew Whiting Washington State University, USA
125 (Regular Research Paper)	An Automated Approach to Create, Store, and Analyze Large-scale Experimental Data in Clouds Deepal Jayasinghe, Josh Kimball, Siddharth Choudhary, Tao Zhu and Calton Pu Georgia Institute of Technology, USA

1 (Invited Paper)	Cloud-Based Tasking, Collection, Processing, Exploitation, and Dissemination Stuart H. Rubin <sup>(1)</sup> and Gordon K. Lee <sup>(2)</sup> <sup>(1)</sup> SSC-PAC, San Diego, USA <sup>(2)</sup> San Diego State University, USA
74 (Regular Research Paper)	Efficient Live Wide Area VM Migration with IP Address Change Using Type II Hypervisor Samuel A. Ajila and Omhennimhen Iyamu Carleton University, Canada
	<b>Session B22</b> (Blue Room) <b>Automation and Distributed Systems</b> Chair: Massimiliano Albanese George Mason University, USA
104 (Application Paper)	An Automated Ontology Generation Technique for an Emergent Behavior Detection System Beenish Khurshid <sup>(1)</sup> , Mohammad Moshirpour <sup>(1)</sup> , Armin Eberlein <sup>(2)</sup> and Behrouz Far <sup>(1)</sup> <sup>(1)</sup> University of Calgary, Canada <sup>(2)</sup> American University of Sharjah, UAE
112 (Application Paper)	An Effective Method For Optimistic Message Logging Based On Group Communication Links Jinho Ahn Kyonggi University, South Korea
113 (Application Paper)	From Software Product Lines to System of Systems: Analysis of an evolution path Marcelo Ramos <sup>(1)</sup> , Rosana Braga <sup>(1)</sup> , Paulo Masiero <sup>(1)</sup> and Rosângela Penteadó <sup>(2)</sup> <sup>(1)</sup> University of Sao Paulo, Brazil <sup>(2)</sup> Federal University of Sao Carlos, Brazil
117 (Invited Paper)	Efficiently Integrating MapReduce-based Computing into a Hurricane Loss Projection Model Fausto Fleites <sup>(1)</sup> , Steve Cocke <sup>(2)</sup> , Shu-Ching Chen <sup>(1)</sup> and Shahid Hamid <sup>(1)</sup> <sup>(1)</sup> Florida International University, USA <sup>(2)</sup> Florida State University, USA
	<b>Session B23</b> (Salon 1) <b>Data Mining II</b> Chair: Guangzhi Qu Oakland University
16 (Application Paper)	A New Energy Efficient Cluster-Head and Backup Selection Scheme in WSN Davood Izadi, Jemal Abawajy and Sara Ghanavati Deakin University, Australia
82 (Application Paper)	Filter- and Wrapper-Based Feature Selection for Predicting User Interaction with Twitter Bots Randall Wald, Taghi Khoshgoftaar and Amri Napolitano Florida Atlantic University, USA
144 (Regular Research Paper)	A Survey of Stability Analysis of Feature Subset Selection Techniques Taghi Khoshgoftaar <sup>(1)</sup> , Ali Fazelpour <sup>(1)</sup> , Huanjing Wang <sup>(2)</sup> and Randall Wald <sup>(1)</sup> <sup>(1)</sup> Florida Atlantic University, USA



	<sup>(2)</sup> Western Kentucky University, USA
145 (Application Paper)	Probability-Based Incremental Association Rule Discovery Using the Normal Approximation Araya Ariya and Worapoj Kreesuradej King Mongkut's Institute of Technology Ladkrabang, Thailand
166 (Invited Paper)	An Integrated Framework for Personalized Internet Workflows Chatree Sangpachatanaruk <sup>(1)</sup> and Taieb Znati <sup>(2)</sup> <sup>(1)</sup> NetApp, Inc., USA <sup>(2)</sup> University of Pittsburgh, USA
3:45-4pm	Break ( <i>Ballroom Foyer</i> )
4-5:30pm	<p style="text-align: center;"><b>Panel Discussion (<i>Bordeaux</i>)</b></p> <p style="text-align: center;"><b><i>Panel Title: Re-Use of Information and Data in Energy Management</i></b></p> <p style="text-align: center;"><b>Panel Moderator: Gongzhu Hu</b></p> <p style="text-align: center;"><b>Panelists:</b></p> <p style="text-align: center;">Gongzhu Hu, Central Michigan University (moderator)</p> <p style="text-align: center;">Gordon Lee, San Diego State University</p> <p style="text-align: center;">Suresh Vadhva, California State University at Sacramento</p> <p style="text-align: center;">Russell Tatro, California Smart Grid Center</p> <p style="text-align: center;">Stuart Rubin, SPAWAR, SSC - Pacific</p>
6-9pm	Banquet/Dinner ( <i>Bordeaux</i> )

IEEE IRI 2013 Detailed Program, August 14-16, 2013, Sofitel Hotel, San Francisco, USA

August 16, 2013, Friday (Day 3)	
8:00 am - 5:00 pm	Conference Registration (Conference Registration Desk at Ballroom Foyer)
7:30-8:30am	Informal Meet & Greet - Breakfast <i>(Veranda)</i>
8:30-9:30am	<b>KEYNOTE 3:</b> <b>Professor Ling Liu</b> , Georgia Institute of Technology, USA <b><i>Big Data Analytics as a Service: Exploring Reuse Opportunities</i></b> <i>(Bordeaux)</i>
9:30-9:50am	Break <i>(Ballroom Foyer)</i>
<b>9:50-11:50am</b>	<b>Session C1</b>
	<b>Session C11</b> <i>(Grand Salon)</i> <b>Reuse in Software Engineering I</b> Chair: Matheus Viana Federal University of São Carlos, Brazil
134 (Application Paper)	A Model-based Repository of Security and Dependability Patterns for Trusted RCES Adel Ziani, Brahim Hamid, Jacob Geisel and Jean-Michel Bruel IRIT - University of Toulouse, France
49 (Application Paper)	Porting Mobile Games in an Aspect-Oriented Way: An Industrial Case Study Tanmay Bhowmik <sup>(1)</sup> , Vander Alves <sup>(2)</sup> and Nan Niu <sup>(1)</sup> <sup>(1)</sup> Mississippi State University, USA <sup>(2)</sup> University of Brasilia, Brazil
62 (Application Paper)	The Dynamic Aspects of Product Derivation in DSPL: a Systematic Literature Review Jackson Raniel Silva, Francisco Silva, Leandro Nascimento, Dhiego Martins and Vinícius Garcia Federal University of Pernambuco, Brazil
	<b>Session C12</b> <i>(Blue Room)</i> <b>Machine Learning</b> Chair: Chengcui Zhang The University of Alabama at Birmingham, USA
156 (Invited Paper)	A Reinforcement Learning-Based Algorithm for Deflection Routing in Optical Burst-Switched Networks Soroush Haeri <sup>(1)</sup> , Wilson Wang-Kit Thong <sup>(2)</sup> , Guanrong Chen <sup>(2)</sup> and Ljiljana Trajkovic <sup>(1)</sup> <sup>(1)</sup> Simon Fraser University, Canada <sup>(2)</sup> City University of Hong Kong, China
165 (Invited Paper)	Behavioral Sequence Prediction for Evolving Data Stream Sheikh Qumruzzaman, Latifur Khan and Bhavani Thuraisingham University of Texas at Dallas, USA

22 (Regular Research Paper)	Mining Software Repositories to Acquire Software Risk Knowledge Ching-Pao Chang Kun Shan University, Taiwan
141 (Application Paper)	Author Attribution on Streaming Data Sadi Evren Seker, Khaled Al-Naami and Latifur Khan The University of Texas at Dallas, USA
11:50am– 1:15pm	Lunch (on your own)
<b>1:15-3:15pm</b>	<b>Session C2</b>
	<b>Session C21</b> (Grand Salon) <b>Databases, Structured/Semi-Structured Data II</b> Chair: Mohammad Moshirpour University of Calgary, Canada
3 (Regular Research paper)	Parse Tree Based Approach for Processing XML Streams Mohammad Khabbaz <sup>(1)</sup> , Dirar Assi <sup>(1)</sup> , Reda Alhajj <sup>(1,2)</sup> and Moustafa Hammad <sup>(3)</sup> <sup>(1)</sup> University of Calgary, Canada <sup>(2)</sup> Global University, Lebanon <sup>(3)</sup> Google Inc., USA
45 (Application Paper)	The FUSE Domain-Aware Approach to User Model Interoperability: A Comparative Study Eddie Walsh, Alexander O'Connor and Vincent Wade Trinity College Dublin, Ireland
157 (Invited Paper)	A Fast and Compact Indexing Technique for Moving Objects Yonghun Park <sup>(1)</sup> , Ling Liu <sup>(1)</sup> and Jaesoo Yoo <sup>(2)</sup> <sup>(1)</sup> Georgia Institute of Technology, USA <sup>(2)</sup> Chungbuk National University, Korea
159 (Invited Paper)	Information Reuse in Dynamic Spectrum Access Prashant Krishnamurthy, Martin Weiss and David Tipper University of Pittsburgh, USA
	<b>Session C22</b> (Blue Room) <b>Reuse in Software Engineering II</b> Chair: tba
57 (Application Paper)	A Brechó-EcoSys Extension to Support Negotiation in the Software Ecosystems Context Rodrigo Santos, Lucas Tostes and Claudia Werner Federal University of Rio de Janeiro, Brazil
114 (Regular Research Paper)	Mining Features from the Object-Oriented Source Code of Software Variants by Combining Lexical and Structural Similarity Ra'Fat Al-Msie'Deen <sup>(1)</sup> , Abdelhak Seriai <sup>(1)</sup> , Marianne Huchard <sup>(1)</sup> , Christelle Urtado <sup>(2)</sup> and Sylvain Vauttier <sup>(2)</sup> <sup>(1)</sup> LIRMM / CNRS & Montpellier 2 University, Montpellier, France <sup>(2)</sup> LGI2P / Ecole des Mines d'Al`es, N`imes, France

70 (Regular Research Paper)	An Approach to Develop Frameworks from Feature Models Matheus Viana <sup>(1)</sup> , Rosângela Penteado <sup>(1)</sup> , Antônio Francisco Do Prado <sup>(1)</sup> and Rafael Durelli <sup>(2)</sup> <sup>(1)</sup> Federal University of São Carlos, Brazil <sup>(2)</sup> University of São Paulo, Brazil
	<b>Session C23</b> (Salon 1) <b>Multimedia Systems</b> Chair: Zifang Huang Western Union, USA, USA
29 (Invited Paper)	Comparison of the structure and the computational complexity of the Inverse Difference and Laplacian pyramids for still image decomposition Roumen Kountchev <sup>(1)</sup> , Stuart Rubin <sup>(2)</sup> , Mariofanna Milanova <sup>(3)</sup> and Roumiana Kountcheva <sup>(4)</sup> <sup>(1)</sup> Technical University of Sofia, Bulgaria <sup>(2)</sup> Space and Naval Warfare Systems Center, San Diego, USA <sup>(3)</sup> UALR, USA <sup>(4)</sup> Sofia, Bulgaria
69 (Application Paper)	Road Segment Partitioning towards Anomalous Trajectory Detection for Surveillance Applications Muhammad Aamir Saleem, Waqas Nawaz, Youngkoo Lee and Sungyoung Lee Kyung Hee University, South Korea
137 (Regular Research paper)	Adaptive Association Rule Mining for Web Video Event Classification Chengde Zhang <sup>(1)</sup> , Xiao Wu <sup>(1)</sup> , Mei-Ling Shyu <sup>(2)</sup> and Qiang Peng <sup>(1)</sup> <sup>(1)</sup> Southwest Jiaotong University, China <sup>(2)</sup> University of Miami, USA
148 (Regular Research paper)	Spatial-temporal Motion Information Integration for Action Detection and Recognition in Non-static Background Dianting Liu <sup>(1)</sup> , Mei-Ling Shyu <sup>(1)</sup> and Guiru Zhao <sup>(2)</sup> <sup>(1)</sup> University of Miami, USA <sup>(2)</sup> China Earthquake Networks Center, China
<b>1:15-3:15pm</b>	<b>IRI Organizing Committee Meeting</b> <b>(Post-Conference Analysis and Pre-Conference Planning for IRI'14)</b> (Bordeaux) Chairs: Stuart Rubin and Shu-Ching Chen
3:15-3:30pm	Break (Ballroom Foyer)
<b>3:30-5:30pm</b>	<b>Session C3</b>
Closing remarks at the end	<b>Session C31</b> (Grand Salon) <b>Government/Industry/Application Track and Special Session on Power and Energy</b> Chair: Suresh Vadhva California State University Sacramento, USA

<p>101 (Regular Research Paper)</p>	<p>A Knowledge-Based Semantic Tool for Standard Part Management in Aerospace Industry  Hasan Mert Taymaz <sup>(1)</sup>, Tansel Özyer <sup>(2)</sup> and Can Cangelir <sup>(1)</sup>  <sup>(1)</sup> Turkish Aerospace Industry TAI, Turkey  <sup>(2)</sup> University Ankara, Turkey</p>
<p>123 (Regular Research Paper)</p>	<p>Simulation study on evacuation from buildings  Robert Kosiński <sup>(1,2)</sup> and Andrzej Grabowski <sup>(2)</sup>  <sup>(1)</sup> Warsaw University of Technology, Poland  <sup>(2)</sup> Central Institute for Labour Protection – National Research Institute, Poland</p>
<p>138 (Regular Research Paper)</p>	<p>Low Power-Energy Storage System for Energy Harvesting Applications  Russ Tatro, Cody Tudor, Eric Sprung and Justin Meyer  California State University, Sacramento, USA</p>
<p>139 (Regular Research Paper)</p>	<p>Low Power Design of a Wireless Sensor Node for Indoor Monitoring  Russ Tatro, Eric Sprung, Cody Tudor and Justin Meyer  California State University, Sacramento, USA</p>

## IEEE IRI 2013 Workshop Programs

### Workshop on Empirical Methods for Recognizing Inference in Text (EM-RITE)

Chair: Min-Yuh Day

Tamkang University, Taiwan

<b>Aug. 14 9:50-11:50am</b>	<b>Session A13</b> <i>(Salon 1)</i>
507 (Regular Research Paper)	Rank Correlation Analysis of NTCIR-10 RITE-2 Chinese Datasets and Evaluation Metrics Chuan-Jie Lin <sup>(1)</sup> , Cheng-Wei Lee <sup>(2)</sup> , Cheng-Wei Shih <sup>(2)</sup> and Wen-Lian Hsu <sup>(2)</sup> <sup>(1)</sup> National Taiwan Ocean University, Taiwan <sup>(2)</sup> Academia Sinica, Taiwan
504 (Regular Research Paper)	Chinese Textual Entailment with Wordnet Semantic and Dependency Syntactic Analysis Chun Tu and Min-Yuh Day Tamkang University, Taiwan
505 (Regular Research Paper)	Entailment Analysis for Improving Chinese Textual Entailment System Shih-Hung Wu <sup>(1)</sup> , Shan-Shun Yang <sup>(1)</sup> , Liang-Pu Chen <sup>(2)</sup> , Hung-Sheng Chiu <sup>(2)</sup> and Ren-Dar Yang <sup>(2)</sup> <sup>(1)</sup> Chaoyang University of Technology, Taiwan <sup>(2)</sup> Institute for Information Industry, Taiwan
503 (Regular Research Paper)	Interest Analysis using Social Interaction Content with Sentiments Lun-Wei Ku and Chung-Chi Huang Academia Sinica, Taiwan
502 (Regular Research Paper)	Clustering and Summarization Topics of Subject Knowledge Through Analyzing Internal Links of Wikipedia I-Chin Wu, Chi-Hong Tsai and Yu-Hsuan Lin Fu-Jen Catholic University, Taiwan

## Workshop on Information Reuse and Integration in Health Informatics (IRI-HI)

Chair: Taghi M. Khoshgoftaar

Florida Atlantic University, USA

<b>Aug. 14 3:30-5:30pm</b>	<b>Session A32</b> <i>(Blue Room)</i>
73 (Regular Research Paper)	Comparison of Rank-Based vs. Score-Based Aggregation for Ensemble Gene Selection David Dittman, Taghi Khoshgoftaar, Randall Wald and Amri Napolitano Florida Atlantic University, USA
106 (Regular Research Paper)	Hidden Dependencies between Class Imbalance and Difficulty of Learning for Bioinformatics Datasets Randall Wald, Taghi Khoshgoftaar, Alireza Fazelpour and David Dittman Florida Atlantic University, USA
130 (Regular Research Paper)	Radiation Therapy Simulation and Optimization Using Kinetic Polygon Modeling David Allen and Ovidiu Daescu The University of Texas at Dallas, USA
150 (Regular Research Paper)	Automatic extraction of effective rule sets for Obstructive Sleep Apnea detection for a real-time mobile monitoring system Giovanna Sannino <sup>(1, 2)</sup> , Ivano De Falco <sup>(1)</sup> and Giuseppe De Pietro <sup>(1)</sup> <sup>(1)</sup> Institute of High Performance Computing and Networking, Italy <sup>(2)</sup> University of Naples Parthenope, Italy
155 (Regular Research Paper)	Patient Response Datasets: Challenges and Opportunities Randall Wald and Taghi Khoshgoftaar Florida Atlantic University, USA

## Workshop on Data Integration and Mining (DIM)

Chair: Zifang Huang

Western Union, USA, USA

<b>Aug. 16 3:30-5:30pm</b>	<b>Session C32</b> <i>(Blue Room)</i>
21 (Regular Research Paper)	Cultural Considerations for Designing Crossover Applications for the Visually Impaired Abdullah Almurayh and Sudhanshu Semwal University of Colorado Colorado Springs, USA
28 (Regular Research Paper)	Controlling Xen Cloud Platform via Smart Phones Abdullah Almurayh and Sudhanshu Semwal University of Colorado Colorado Springs, USA
147 (Regular Research Paper)	A Comparative Study of Data Mining Techniques for Credit Scoring in Banking Shih-Chen Huang and Min-Yuh Day Tamkang University, Taiwan
38 (Regular Research Paper)	MFWK-Means: Minkowski Metric Fuzzy Weighted K-Means for high dimensional data clustering Liudmila Svetlova <sup>(1, 2)</sup> , Boris Mirkin <sup>(3)</sup> and Hansheng Lei <sup>(2)</sup> <sup>(1)</sup> Moscow Institute of Physics and Technology, RF <sup>(2)</sup> University of Texas at Brownsville, USA <sup>(3)</sup> University of London, UK
31 (Invited Paper)	Big Data Analysis Using Apache Hadoop Jyoti Nandimath, Saumitra Vaidya, Ankur Patil, Ekata Banerjee and Pratima Kakade SKNCOE, Pune, India



## Workshop on Formal Methods Integration (FMI)

Chair: Thouraya Bouabana-Tebibel

LCSI Laboratory, Ecole nationale Supérieure d'Informatique - ESI, Algiers, Algeria

<b>Aug. 16 9:50-11:50am</b>	<b>Session C13</b> (Salon 1)
604 (Regular Research Paper)	Learning-based Routing in MobileWireless Sensor Networks: Applying Formal Modeling and Analysis Fatemeh Kazemeyni <sup>(1)</sup> , Olaf Owe <sup>(1)</sup> , Einar Broch Johnsen <sup>(1)</sup> and Ilanko Balasingham <sup>(2)</sup> <sup>(1)</sup> University of Oslo, Norway <sup>(2)</sup> Oslo University Hospital, Norway
609 (Regular Research Paper)	Giving Alloy a family Renato Neves <sup>(1)</sup> , Alexandre Madeira <sup>(2)</sup> , Manuel A. Martins <sup>(2)</sup> and Luis Soares Barbosa <sup>(1)</sup> <sup>(1)</sup> Univ. Minho, Portugal <sup>(1)</sup> Univ. Aveiro, Portugal
613 (Regular Research Paper)	Creating GUI-based DSL formal tools Robson Silva <sup>(1)</sup> , Alexandre Mota <sup>(1)</sup> and Rodrigo Rizzi Starr <sup>(2)</sup> <sup>(1)</sup> Federal University of Pernambuco, Brazil <sup>(2)</sup> São José dos Campos - SP, Brazil
616 (Regular Research Paper)	Problem Decomposition and Sub-Model Reconciliation of Control Systems in Event-B Sanaz Yeganeh and Michael Butler University of Southampton, UK
614 (Regular Research Paper)	Verifying System C with Predicate Abstraction: a Component Based Approach Nesrine Harrath <sup>(1)</sup> , Bruno Monsuez <sup>(1)</sup> and Kamel Barkaoui <sup>(2)</sup> <sup>(1)</sup> ENSTA ParisTech, France <sup>(2)</sup> CNAM Paris, France