IEEE IRI 2011 Detailed Program

August 3, 2011, Wednesday (Day 1)

8:00 am - 5:00 pm	Conference Registration (Conference Registration Desk at Florentine Foyer)
7:30 - 8:30 am	Informal Meet & Greet – Breakfast (Florentine G)
8:30 - 8:40 am	Welcome, Conference Opening Remarks (Florentine E)
8:40 - 9:40 am	**KEYNOTE 1:** **Professor Lotfi A. Zadeh, UC Berkeley, CA, USA** **The concept of a Z-number -- a New Direction** (Florentine E)
9:40 - 10:00 am	**Break** (Florentine Foyer)
10:00 am - 12:00 pm	**Session A1 & Special Session S1**

Session A11: Fuzzy/Evolutionary Systems *(Florentine E)*
Chair: Fethi Belkhouche

008 On the Use of Hamming Distance Tuning for the Generalized Adaptive Neural Network Fuzzy Inference Controller With Evolutionary Simulated Annealing
Gordon K. Lee
San Diego State University, USA

128 Composite Event Processing in an Active Rule-Based Fuzzy XML Database System
Ying Jin, Hemal J Mehta
California State University, Sacramento, USA

149 A New Equation for Calculating the Weight of Fuzzy Itemsets
Rodrigo Moura Juvenil Ayres [1], Rafael Garcia Miani [2] and Marilde Terezinha Prado Santos [1]
[1] Federal University of São Carlos, São Carlos, Brazil
[2] IBM Brazil, São Paulo, Brazil

Session A12: Heuristic Optimization & Classification/Clustering *(Florentine F)*
Chair: Taghi M. Khoshgoftaar

085 Selection of Features for Surname Classification
Lev Rachevsky and Ken Q. Pu
University of Ontario Institute of Technology, Canada

023 Study of Definable Subsets in Covering Approximation Spaces of Rough Sets
Nianbai Fan [1], Gongzhu Hu [2] and Hui Liu [3]
[1] Hunan University, China
[2] Central Michigan University, USA
[3] Qingdao Technological University, China

109 Heuristic Approaches for Optimizing the Performance of Rule-Based Classifiers
Danielle Azar and Haidar Harmanani
Lebanese American University, Lebanon

094 Structural-Model Approach of Causal reasoning in problem solving processes
Hicham Jabrouni, Bernard Kamsu-Foguem and Laurent Geneste
Tarbes National Engineering School, France

Session S1: Health Informatics (Special Session) *(Florentine B)*
Chairs: Tansel Özyer, Jia Zeng, Keivan Kianmehr

092 Clinical guidelines as decision support for referrals from primary care
Vigdis Heimly [1, 2] and Øystein Nytrø [1]
[1] Norwegian University of Science and Technology, Norway

[2] Norwegian Centre for Informatics in Health and Social Care, KITH, Norway

116 Using Image Metadata for Automatic Patient Staging in Lymphoma
Sonja Zillner
Corporate Technology, Siemens AG, Munich, Germany

125 Self-Supervised Detection of Disease Reporting Events in Outbreak Reports
Avare Stewart [1], Ernesto Diaz-Aviles [1] and Alexandros Nanopoulos [2]
[1] L3S Research Center, Germany
[1] University of Hildesheim, Germany

142 Link Prediction and Classification in Social Networks and its Application in Healthcare
Wadhah Almansoori [1], Shang Gao [2], Tamer M. Jarada [2], Reda Alhajj [2, 3], Jon Rokne [2]
[1] EMS, Alberta Health Services, Canada
[2] Calgary Alberta, Canada
[3] Global University, Lebanon

027 Facial Nerve Stream Modeling for Facial Paralysis Patients States Evolution
Jalel Akaichi and Wided Oueslati
ISG-University of Tunis, Tunisia

12:00 - 1:30 pm	**Lunch (on your own)**
1:30 - 3:00 pm	**Session A2 & Special Session S2**

Session A21: Web Services *(Florentine E)*
Chair: Haider M. Harmanani

034 Web Service Discovery using Semi-supervised Block Value Decomposition
Amit Salunke, Minh Nguyen, Xumin Liu and Manjeet Rege
Rochester Institute of Technology, USA

050 A Provenance-aware Service Repository for EAI Process Modeling Tools
Jorge Minguez, Florian Niedermann and Bernhard Mitschang
University of Stuttgart, Germany

048 CommunityMashup A flexible social mashup based on a Model-Driven-Approach
Peter Lachenmaier, Florian Ott, Antonia Immerz and Alexander Richter
Bundeswehr University Munich, Germany

144 Research 2.0: Research-Supporting Features of Some Modern Web Services
Joe Strathern, Samer Awadh, Samir Chokshi, Omair Shafiq, Reda Alhajj
University of Calgary, Canada

Session A22: Semantic Web *(Florentine F)*
Chair: Shusaku Tsumoto

095 A Survey of Methods that Transform Data Models into Ontology Models
Khalid M. Albarrak and Edgar H. Sibley
George Mason University, USA

038 Efficient and Effective Ranking in Top-k exploration for Keyword Search on RDF
Roberto De Virgilio
Universit´a Roma Tre, Rome, Italy

052 Mapping OWL Ontologies to Relational Schemas
Deise de Brum Saccol [1], Tobias de Campos Andrade [2], Eduardo Kessler Piveta [1]
[1] Universidade Federal de Santa Maria, Brazil
[2] Cidade Universitária - Camobi, Brazil

073 A Knowledge Identification Framework for the Engineering of Ontologies in System Composition Processes
Mitchell G. Gillespie, Hlomani Hlomani, Daniel Kotowski and Deborah A. Stacey
University of Guelph, Canada

028 Extensible Dynamic Form Approach for Supplier Discovery
Yan Kang, Jaewook Kim and Yun Peng
University of Maryland, Baltimore County, USA

Session S2: Power & Energy + Robotics (Special Session) *(Florentine B)*
Chairs: Suresh Vadhva, Gordon Lee

047 Determining Exact Fault Location in a Distribution Network in Presence of DGs Using RBF Neural Networks
Hadi Zayandehroodi [1], Azah Mohamed [1], Hussain Shareef [1], Marjan Mohammadjafari [2]
[1] Universiti Kebangsaan Malaysia, Malaysia
[2] Islamic Azad University, Kerman, Iran

097 Distributed Generation Issues, and Standards
Mohammad Vaziri, Suresh Vadhva, Trevor Oneal, Matthew Johnson
California State University, Sacramento, USA

101 Review of Ferroresonance in Power Distribution Grids
Sheikh Hassan [1], Mohammad Vaziri [2] and Suresh Vadhva [2]
[1] California Department of Water Resources, USA
[2] California State University, Sacramento, USA

124 Modeling and controlling 3D formations and flocking behavior of unmanned air vehicles
Fethi Belkhouche, Suresh Vadhva and Mohamed Vaziri
California State University, Sacramento, USA

002 Is the Kolmogorov Complexity of Computational Intelligence Bounded Above?
Stuart H. Rubin
Space and Naval Warfare Systems Center, San Diego, USA

3:30 - 4:00 pm	**Break** (Florentine Foyer)

4:00 - 5:30 pm	**Session A3 & Special Session S3**

Session A31: Information Assurance *(Florentine E)*
Chair: Du Zhang

122 DRiBAC: Fine-Grained Dynamic Role Interaction Access Control using Ontology
Youna Jung, Minsoo Kim and James B.D Joshi
University of Pittsburgh, USA

129 Towards Collaborative Forensics: Preliminary Framework
Mike Mabey and Gail-Joon Ahn
Arizona State University, Tempe, USA

014 Multi-rounds masking method against DPA attacks
Masaya Yoshikawa and M.Sugiyama
Meijo University, Japan

137 Information Extraction from Spam Emails using Stylistic and Semantic Features to Identify Spammers
Soma Halder, Richa Tiwari and Alan Sprague
University of Alabama at Birmingham

Session A32: Service Oriented Architecture *(Florentine F)*
Chair: Haider M. Harmanani

057 Leveraging Service Oriented Architecture: A Case Study for Ocean Energy Information Management
Ante Bosnjak, Shihong Huang and James J. Mulcahy
Florida Atlantic University, USA

088 Simulation Software as a Service and Service-Oriented Simulation Experiment
Song Guo, Fan Bai and Xiaolin Hu
Georgia State University, USA

015 Exploiting the Symbiotic Aspects of Process and Operational Data for Optimizing Business Processes
Sylvia Radeschütz, Marko Vrhovnik, Holger Schwarz and Bernhard Mitschang
Universit¨at Stuttgart, Germany

117 Service Composition Recovery Using Formal Concept Analyst &WordNet Similarity
Mohamed Maher [1], Haitham S. Hamza [2] and Ramadan Moawad Mohamed [1]

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[1] Arab Academy of Science & Technology Cairo, Egypt
[2] Cairo University Giza, Egypt

Session S3: Education (Special Session)   *(Florentine B)*
Chair: Gordon Lee

021 Learning by Body Action: A Virtual Environment for Refraction of Light
Noriyuki Iwane, Toru Kawasaki, Masaru Okamoto and Yukihiro Matsubara
Hiroshima City University, Japan

032 Design Based Learning by Knowledge Reuse: Towards its Application to E-learning
Noriyuki Iwane [1], Hiroaki Ueda [1]   and Makoto Yoshida [2]
[1] Hiroshima City University, Japan
[2] Okayama University of Science, Japan

045 Dynamic Contextual Usage Metadata for Learning Resource Reuse in Adaptive Environments
Eddie Walsh, Rachael Rafter, Owen Conlan and Vincent Wade
Trinity College Dublin, Ireland

6:00 - 8:00 pm Poster Exhibition (Start time: 6:15PM)   *(Tuscany)*
Reception (Start time: 7PM)
Chairs : June Massoud, Reda Alhajj, Mei-Ling Shyu, James Joshi

003 Macrocosmic Analysis Method for Dynamic Traffic Flow Based on Hypernetworks of Celluar Automata
Tao Yang
Shanghai Second Polytechnic University, Shanghai, China

017 Adaptive Fuzzy Formation Control for a Nonholonomic Robotic Swarm
Faridoon Shabaninia and Seyed Hamid Reza Abbasi
Shiraz University, Shiraz, Iran

019 Dynamic OSoS Analysis Using Structure Reorganization Methodology
Guoli Yang, Baoxin Xiu, Weiming Zhang and Yong Zhang
National University of Defense Technology, Changsha, Hunan, China

054 Mobile Databases - Synchronization & Conflict Resolution Strategies using SQL Server
Samuel A. Ajila and Ahmed Al-Asaad
Carleton University, Canada

098 A Light Weight Substitution-Based Adaptation Approach
Lu Chen and Randy Chow
University of Florida, USA

107 An Embedded Control Architecture for Smart Wheelchair Navigation via Wireless Network
Youcef Touati, Hania Aoudia and Ben Ali-Cherif
University of Paris 8 at Saint-Denis, France

127 Model Based Analysis of Internet Filtering Systems
Mohammad Moshirpour, Payman Mohassel and Behrouz H. Far
University of Calgary, Canada

132 Metamodels for models complete integration
Samia Benabdellah Chaouni [1], Mounia Fredj [1] and Salma Mouline [2]
[1] Mohammed V Souissi University, Morocco
[2] Mohammed V Agdal University, Morocco

133 Software Security: Application-Level Vulnerabilities in SCADA Systems
Sidney Valentine [1] and Csilla Farkas [2]
[1] York Technical College, USA
[2] University of South Carolina, USA

139 A research on Employing Fuzzy Composite Concepts based on Human Reasoning through Singleton and Non-Singleton Fuzzification
Seyed Hamid Reza Abbasi and Faridoon Shabaninia
Shiraz University, Iran

039 Development of an Automated Decision System for Selection of Preoperative Investigations Based on Cartesian Product and Gaussian Distribution

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Samunya Tisavipat and Poonphon Suesaowaluk
Assumption University of Thailand, Thailand

078 Prediction of Pediatric Injury by Bayesian Approach: A Proposed Framework for Pre-diagnosis by Automate System
Sakda Arj-Ong [1] and Poonphon Suesaowaluk [2]
[1] Ramathibodi Hospital, Mahidol University, Thailand
[2] Assumption University of Thailand, Thailand

August 4, 2011, Thursday (Day 2)
8:00 am - 5:00 pm Conference Registration *(Conference Registration Desk at Florentine Foyer)*
7:30 - 8:30 am Breakfast *(Florentine G)*
8:40 - 9:40 am **KEYNOTE 2:** **Professor Elisa Bertino,** **Purdue University, IN, USA** **Protecting Information Systems from Insider Threats - Concepts and Issues** *(Florentine E)*
9:40 - 10:00 am **Break** *(Florentine Foyer)*
10:00 am - 12:00 pm **Session B1**

Session B11: Information Integration *(Florentine E)*
Chair: Samuel Ajilla

046 Unity: Speeding the Creation of Community Vocabularies for Information Integration and Reuse
Ken Smith, Peter Mork, Len Seligman, Peter Leveille, Beth Yost, Maya Li and Chris Wolf
The MITRE Corporation, USA

071 Unraveling Complex relationships between Heterogeneous Omics Datasets Using Local Principal Components
Noor Alaydie and Farshad Fotouhi
Wayne State University, USA

075 Automatic Annotation of Drosophila Developmental Stages Using Association Classification and Information Integration
Tao Meng and Mei-Ling Shyu
University of Miami, USA

030 Local as View Information Integration in the Semantic Model Approach
Fereidoon Sadri
University of North Carolina at Greensboro, USA

Session B12 : Data Mining *(Florentine F)*
Chair: Min-Yuh Day

086 Mining Transcriptional Association Rules from Breast Cancer Profile Data
Rakhi Malpani [1], Meiliu Lu [1], Du Zhang [1] and Wing Kin Sung [2, 3]
[1] California State University, Sacramento, USA
[2] National University of Singapore, Singapore
[3] Genome Institute of Singapore, Singapore

136 Subjectivity Classification and Analysis of the ASRS Corpus
Jason Switzer [1], Latifur Khan [1] and Fahad Bin Muhaya [2]
[1] University of Texas at Dallas, USA
[2] King Saud University, Saudi Arabia

141 Association Rules Mining Based Approach for Web Usage Mining
Mohamad Nagi [1], Abdallah ElSheikh [2], Iyad Sleiman [1], Peter Peng [2], Mohammad Rifaie [3], Keivan Kianmehr [4], Panagiotis Karampelas [5], Mick Ridley [1], Jon Rokne [2] and Reda Alhajj [2, 4, 5]
[1] University of Bradford, UK
[2] University of Calgary, Canada
[3] RBC Royal Bank, Canada
[4] Global University, Lebanon
[5] Hellenic American University, USA
[6] University of Western Ontario, Canada

138 Information Reuse in Hospital Information Systems: A Data Mining Approach
Shusaku Tsumoto, Shoji Hirano and Yuko Tsumoto
Shimane University, USA

12:00 - 1:30 pm	**Lunch** *Organization Committee Meeting (CLOSED SESSION)*

1:30 - 3:00 pm	**Session B2**

Session B21: Information Integration II   *(Florentine E)*
Chair: Shusaku Tsumoto

056   Learning Unified Famous Objects (UFO) to Bootstrap Information Integration
Michael Gubanov [1], Linda Shapiro [1] and Anna Pyayt [1]
[1] University of Washington, USA
[2] Stanford University, USA

123   Hierarchical Disaster Image Classification for Situation Report Enhancement
Yimin Yang, Hsin-Yu Ha, Fausto Fleites, Shu-Ching Chen and Steven Luis
Florida International University, USA

037   Aggregating metadata to improve access to resources
Martin Wolpers [1], Martin Memmel [2], Katja Niemann [1], Joris Klerkx [3], Marcus Specht [4], Alberto Giretti [5] and Erik Duval [3]
[1] Fraunhofer Institute for Applied Information Technology FIT, Sankt Augustin, Germany
[2] Knowledge Management, DFKI GmbH, Kaiserslautern, Germany
[3] Katholieke Universiteit Leuven, Leuven, Belgium
[4] Centre for Learning Sciences and Technologies, Open University Netherlands, Netherlands
[5] Universita Politecnica delle Marche, Ancona, Italy

140   Retrieval, Description and Security: Towards the Large-Scale UI Component-Based Reuse and Integration
Hao Han [1], Peng Gao [2] and Keizo Oyama [1]
[1] National Institute of Informatics, Japan
[2] Tokyo Institute of Technology, Japan

Session B22: Software Reuse/ Component Based Design   *(Florentine F)*
Chair: Len Seligman

013   Multiple Criteria Decision Support for Software Reuse: A Case Study
Alejandra Yepez Lopez and Nan Niu
Mississippi State University, USA

055   SAFE-CRITES: Developing Safety-Critical Embedded Systems Supported by Reuse Techniques
Rosana T. Vaccare Braga [1], Kalinka R L J Castelo Branco [1], Onofre Trindade Junior [1] and Luciano de Oliveira Neris [2]
[1] Universidade de Sao Paulo, Brazil
[2] AGX Tecnologia Ltda, Brazil

053   E-CAL: A Formal Language for Software Model Evolution
Samuel A. Ajila
Carleton University, Canada

103   FOZCIL: A Framework for Converting Formal Specifications in Object-Z to Design Contracts in OO Programming Languages
Nixon Sunny George, Cui Zhang and Anne-Louise Radimsky
California State University, Sacramento, USA

051   Reusing a Compound-Based Infrastructure for Searching Video Stories
Nadia P. Kozievitch, Jurandy Almeida, Ricardo da S. Torres, André Santanchè and Neucimar J. Leite
University of Campinas - UNICAMP, Brazil

3:30 - 4:00 pm	**Break** (Florentine Foyer)

4:00 – 5:30 pm	**Panel Session** *(Florentine E)* **Panel Title:** *Converting Innovation to Commercialization: Information Re-Use from the Research Sector to the Public Sector* **Panelists: Du Zhang, Stuart Rubin, Shu-Ching Chen, June Massoud, Gongzhu Hu**

Panel moderator: Gordon K. Lee

6:00 - 9:00 pm   Banquet/Dinner   *(Florentine A)*

August 5, 2011, Friday (Day 3)

8:00 am - 5:00 pm	Conference Registration *(Conference Registration Desk at Florentine Foyer)*
7:30 - 8:30 am	Breakfast *(Florentine G)*
8:30 am - 10:00 pm	**Session C1**

Session C11: Knowledge Extraction/Feature Selection   I   *(Florentine E)*
Chair: Kalinka Branco

083 How do they Compare? Automatic Identification of Comparable Entities on the Web
Alpa Jain and Patrick Pantel
Yahoo! Labs, USA

091 Comparison of Approaches to Alleviate Problems with High-Dimensional and Class-Imbalanced Data
Ahmad Abu Shanab, Taghi Khoshgoftaar, Randall Wald and Jason Van Hulse
Florida Atlantic University, USA

110 A Noise-based Stability Evaluation of Threshold-based Feature Selection Techniques
Wilker Altidor, Taghi M. Khoshgoftaar and Amri Napolitano
Florida Atlantic University, USA

Session C12: Information/Knowledge Management   I   *(Florentine F)*
Chair: Du Zhang

062 Measuring Effort in a Corporate Repository
Michael VanHilst [1], Shihong Huang [1], James Mulcahy [1], Wayne Ballantyne [2], Ed Suarez-Rivero [2] and Douglas Harwood [2]
[1] Florida Atlantic University, USA
[2] Motorola Mobility Plantation, Florida, USA

102 System Information Quantification based on combinatory patterns
Mehdi Yhayavi, Mohammad Vaziri Yazdi and Suresh Vadhva
California State University, Sacramento, USA

090 Transfer Learning Capability of Evolving Logic Network
Myoung Soo Park
Korea Institute of Science and Technology, Korea

035 Efficient Range Query Processing on Uncertain Data
Andrew Knight, Qi Yu and Manjeet Rege
Rochester Institute of Technology, USA

10:00 - 10:30 am	**Break** *(Florentine Foyer)*
10:30 am - 12:00 pm	**Session C2**

Session C21: Application/Gov/Industry Session   *(Florentine E)*
Chair: Eric Gregoire

049 PLUS: A Provenance Manager for Integrated Information
Adriane Chapman, Barbara T. Blaustein, Len Seligman and M. David Allen
The MITRE Corporation, USA

065 An architecture to support information sources discovery through semantic search
Veronica dos Santos, Fernanda Araujo Baião, Astério Tanaka
Federal University of the State of Rio de Janeiro-UNIRIO, Rio de Janeiro, Brazil

Session C22: Social Media and Natural Language Processing   *(Florentine F)*
Chair: Min-Yuh Day

029 Automatic English-Chinese Name Translation by Using Web-Mining and Phonetic Similarity
Jen-Ming Chung [1], Fu-Yuan Hsu [2], Cheng-Yu Lu [1], Hahn-Ming Lee [2] and Jan-Ming Ho [1]
[1] Academia Sinica, Taiwan

[2] National Taiwan University of Science and Technology, Taiwan

134 Query and tag translation for Chinese-Korean cross-language social media retrieval
Yu-Chun Wang [1], Jian-Ting Chen [2], Richard Tzong-Han Tsai [2], Wen-Lian Hsu [3]
[1] National Taiwan University, Taiwan
[2] Yuan Ze University, Taiwan
[3] Academia Sinica, Taiwan

146 Network and Profile Based Measures for User Similarities on Social Networks
Cuneyt Gurcan Akcora, Barbara Carminati and Elena Ferrari
Universit`a degli Studi dell'Insubria, Italy

018 Non-myopic Active Learning for Recommender Systems Based on Matrix Factorization
Rasoul Karimi, Christoph Freudenthaler, Alexandros Nanopoulos and Lars Schmidt-Thieme
University of Hildesheim, Germany

12:00 - 1:30 pm	**Lunch**

1:30 - 3:00 pm	**Session C3**

Session C31: Knowledge Extraction/Feature Selection   II   *(Florentine E)*
Chair: Min-Yuh Day

111 Novel Supervised Feature Extraction Algorithm Based on Iterative Calculations
Yohei Takeuchi, Momoyo Ito, Koji Kashihara and Minoru Fukumi
The University of Tokushima, Japan

130 Measuring Robustness of Feature Selection Techniques on Software Engineering Datasets
Huanjing Wang [1], Taghi M. Khoshgoftaar [2] and Randall Wald [2]
[1] Western Kentucky University, USA
[2] Florida Atlantic University, USA

096 A Comparative Evaluation of Feature Ranking Methods for High Dimensional Bioinformatics Data
Jason Van Hulse, Taghi Khoshgoftaar and Amri Napolitano
Florida Atlantic University, USA

081 ReadFast: Browsing large documents through Unified Famous Objects (UFO)
Michael Gubanov [1], Anna Pyayt [2] and Linda Shapiro [1]
[1] University of Washington
[2] Stanford University

Session C32: Information/Knowledge Management II   *(Florentine F)*
Chair: Kalinka Branco

005 Cost-effective Condition-Based Inspection Scheme for Condition-Based Maintenance
Hamid Reza Golmakani
Tafresh University, Tafresh, Iran

068 Implementation of Automated Knowledge-based Classification of Nursing Care Categories
Shihong Huang, Subhomoy Dass, Sam Hsu, Abhijit Pandya
Florida Atlantic University, USA

087 Improving the Performance of the Enterprise Information System via Optimal Scheduling
Weiwen Yang, Yanzhen Qu and Bo Sanden
Colorado Technical University, USA

089 A Respecification and Extension of DeLone and McLean Model of IS Success in the Citizen-centric
e-Governance
Seyed Mohammadbagher Jafari, Noor Azman Ali, Murali Sambasivan and Mohd Fuaad Said
Universiti Putra Malaysia, Malaysia

064 Induction of Linear Genetic Programs for Relational Database Manipulation
Gabriel Ambrósio Archanjo and Fernando José Von Zuben
University of Campinas, Brazil

3:30 - 4:00 pm	**Break** (Florentine Foyer)

4:00 - 5:30 pm (Closing remarks	**Session C4**

at the end)

Session C41: Modeling and Simulation *(Florentine E)*
Chair: Taghi M. Khoshgoftaar

113 A Methodology To Specify DEVS Domain Specific Profiles And Create Profile-based Models
Stéphane Garredu, Evelyne Vittori, Jean-François Santucci and Dominique Urbani
University of Corsica, France

115 Invariant object description with inverse pyramid based on the truncated modified discrete
Mellin-Fourier transform
Roumen Kountchev [1], Stuart Rubin [2], Mariofanna Milanova [3] and Roumiana Kountcheva [4]
[1] Technical University of Sofia, Bulgaria
[2] Space and Naval Warfare Systems Center, USA
[3] University of Arkansas at Little Rock, USA
[4] T&K Engineering, Sofia, Bulgaria

118 Fourier Transforms for Vibration Analysis: A Review and Case Study
Randall Wald, Taghi Khoshgoftaar and John C. Sloan
Florida Atlantic University, USA

148 Language integration for model formalization
Thouraya Bouabana-Tebibel
Ecole nationale Supérieure d'Informatique, Algeria

067 Applying Pattern Structures to Document and Reuse Components in Component-Based Software
Engineering Environments
Marco Paludo [1, 2], Sheila Reinehr [1], Andreia Malucelli [1], Lucas Bruzon [2], Pamela Pinho [2]
[1] PUCPR Pontifical Catholic University of Parana, Brazil
[2] FESPPR Higher Education College of Parana, Brazil

Session C42: AI and Intelligent/Expert Systems *(Florentine F)*
Chair: Michael Van Hilst

079 Clustering-based Binary-class Classification for Imbalanced Data Sets
Chao Chen and Mei-Ling Shyu
University of Miami, USA

082 Effective Supervised Discretization for Classification based on Correlation Maximization
Qiusha Zhu [1], Lin Lin [1], Mei-Ling Shyu [1] and Shu-Ching Chen [2]
[1] University of Miami, USA
[2] Florida International University, USA

072 CWJess: An Expert System Shell for Computing with Words
Elham S. Khorasani, Shahram Rahimi, Purvag Patel and Daniel Houle
Southern Illinois University Carbondale, USA

025 Graph Partitioning using a Simulated Bee Colony Algorithm
James D. McCaffrey
Microsoft, USA

Note: The First International Workshop on Issues and Challenges in Social Computing (WICSOC 2011) will be held on August 2, 2011, Tuesday

Workshop WICSOC2011 (August 2, 2011, Tuesday)
503 Exploring the Effects of Enabling Web 2.0 in e-Government Services Geroli Peedu and David Lamas Tallinn University, Estonia
511 Trustworthy Opportunistic Sensing: A Social Computing Paradigm Henric Johnson [1], Niklas Lavesson [1], Daniela Oliveira [2] and Felix S. Wu [3] [1] Blekinge Institute of Technology Karlskrona, Sweden [2] Bowdoin College, Brunswick, USA [3] University of California at Davis, USA
508 Simulating the Effect of Privacy Concerns in Online Social Networks Nathalie Baracaldo, Claudia Lopez, Mohd Anwar and Michael Lewis University of Pittsburgh, USA
509 Integrated Social Information Engineering Alexander Wassell [1], Stuart H. Rubin [1] and Eric G. Frost [2] [1] Space and Naval Warfare Systems Center [2] San Diego State University
505 Software Reuse Methods to Improve Technological Infrastructure for e-Science James J. Marshall [1], Robert R. Downs [2], Chris A. Mattmann [3, 4] [1] NASA Goddard Space Flight Center, USA [2] Columbia University, USA [3] California Institute of Technology, USA [4] University of Southern California, USA
512 A Heuristic Calculus for Transformative Reasoning about Social Information Stuart H. Rubin Space and Naval Warfare Systems Center, USA
507 Learning Capabilities of Agents in Social Systems Nguyen-Thinh Le, Lukas M¨artin and Niels Pinkwart Nieders¨achsische Technische Hochschule, Germany
504 A Cognitive-based Scheme for User Reliability and Expertise Assessment in Q&A Social Networks Konstantinos Pelechrinis [1], Vladimir Zadorozhny [1] and Vladimir Oleshchuk [2] [1] University of Pittsburgh, USA [1] University of Agder, Norway
510 Social Network Analysis of Research Collaboration in Information Reuse and Integration Min-Yuh Day [1], Sheng-Pao Shih [1] and Weide Chang [2] [1] Tamkang University, Taiwan [2] California State University, Sacramento, USA
513 A Model for Navigation Experience Sharing through Social Navigation Networks (SoNavNets) Hassan A. Karimi, Jessica G. Benner and Mohd Anwar University of Pittsburgh, USA