

## IEEE IRI 2009 Detailed Program

## August 10, 2009, Monday (Day 1)

- 8:00 am - 5:00 pm **Conference Registration** (*Conf. Registration Desk*)
- 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)** (*Florentine E*)  
**Lotfi Zadeh**, BISC, UC Berkeley, USA  
 Computing With Words and Perceptions—A Paradigm Shift
- 9:40 - 10:40 am **KEYNOTE(2)** (*Florentine E*)  
**Stuart Rubin and Shu-Ching Chen**  
 10th-Year Anniversary Keynote Presentation on Information Reuse and Integration
- 10:40 - 11:00 am **Break** (*Florentine Foyer*)
- 11:00 am - 12:00 pm **Session A**
- Session A1: Fuzzy Systems and Bioinformatics** (*Florentine E*)  
**Session Chair: Guy Ravitz**
- 141 Using Contextual Information to Clarify Gene Normalization Ambiguity  
 Po-Ting Lai<sup>1</sup>, Yue-Yang Bow<sup>2</sup>, Chi-Hsin Huang<sup>2</sup>, Hong-Jie Dai<sup>2,3</sup>, Richard Tzong-Han Tsai<sup>1</sup> and Wen-Lian Hsu<sup>2,3</sup>  
<sup>1</sup> Yuan Ze University, Taiwan  
<sup>2</sup> Academia Sinica, Taiwan  
<sup>3</sup> National Tsing-Hua University, Taiwan
- 99 Processing of Transcranial Doppler for Assessment of Blood Volume Loss  
 Roya Hakimzadeh<sup>1</sup>, Soo-Yeon Ji<sup>2</sup>, Rebecca Smith<sup>2</sup>, Kevin Ward<sup>2,3</sup>, Kasra Daneshvar<sup>1</sup> and Kayvan Najarian<sup>2,3</sup>  
<sup>1</sup> University of North Carolina at Charlotte, USA  
<sup>2</sup> Virginia Commonwealth University, USA  
<sup>3</sup> Virginia Commonwealth University Reanimation Engineering Shock, USA
- 30 Semantic Data Integration and Monitoring in the Railway Domain  
 Jan-Gregor Fischer<sup>1</sup>, Mikhail Roshchin<sup>1</sup>, Gerhard Langer<sup>2</sup> and Michael Pirker<sup>1</sup>  
<sup>1</sup> Siemens AG, Corporate Technology Intelligent Autonomous Systems, Germany  
<sup>2</sup> Siemens AG, Industry Sector Mobility Division, Germany
- 89 Fusion of Uncertain Information Using Vague Sets and Dempster-Shafer Theories  
 Hua Bai  
 Harbin Institute of Technology, China
- Session A2: Data Mining 1** (*Florentine F*)  
**Session Chair: Jon Rokne**
- 149 Feature Selection with Biased Sample Distributions  
 Abu H. M Kamal<sup>1</sup>, Xingquan Zhu<sup>1,2</sup>, Abhijit Pandya<sup>1</sup> and Sam Hsu<sup>1</sup>  
<sup>1</sup> Florida Atlantic University, USA  
<sup>2</sup> University of Technology, Sydney, Australia
- 154 An Empirical Comparison of Repetitive Undersampling Techniques  
 Jason Van Hulse, Taghi Khoshgoftaar and Amri Napolitano  
 Florida Atlantic University
- 128 Aggregating Performance Metrics for Classifier Evaluation  
 Naeem Seliya<sup>1</sup>, Taghi Khoshgoftaar<sup>2</sup> and Jason Van Hulse<sup>2</sup>  
<sup>1</sup> University of Michigan–Dearborn, USA  
<sup>2</sup> Florida Atlantic University, USA
- 142 Modeling Knowledge Discovery in Financial Forecasting  
 Shang Gao<sup>1</sup>, Reda Alhaji<sup>1,2</sup> and Jon Rokne<sup>1</sup>  
<sup>1</sup> University of Calgary, Canada  
<sup>2</sup> Global University, Beirut, Lebanon
- 12:00 - 1:30 pm **Lunch**
- 1:30 - 3:30 pm **Session B**
- Session B1: Web Services and E-Business** (*Florentine E*)  
**Session Chair: Keivan Kianmehr**
- 19 A SOA-based Approach for the Integration of a Data Propagation System  
 Jorge MIniguez, Mihály Jakob, Bernhard Mitschang and Uwe Heinkel  
 Universität Stuttgart, Germany
- 94 ASOW-Science: A Service Oriented Framework to Support E-Science Applications  
 Ely Matos, Luiz Felipe Mendes, Fernanda Campos and Regina Braga  
 Federal University of Juiz de Fora, Brazil
- 41 Semantic Similarity Analysis of XML Schema Using Grid Computing  
 Jaewook Kim<sup>1,2</sup>, Sookyoung Lee<sup>1</sup>, Milton Halem<sup>1</sup> and Yun Peng<sup>1</sup>  
<sup>1</sup> University of Maryland, Baltimore County, USA  
<sup>2</sup> National Institute of Standards and Technology, USA
- 24 An Analysis of the Third Party Payment System Based on Service Supply Chain  
 Lifang Peng<sup>1</sup>, Zhuochao Tong<sup>1</sup> and Qi Li<sup>2</sup>  
<sup>1</sup> Xiamen University, China  
<sup>2</sup> Xi'an Jiao-tong University, China

- 79 Integrating Services: Control vs. Flow  
Sabah Al-Fedaghi  
*Kuwait University, Kuwait*

**B2: Interoperability and Information Reuse** (Florentine F)

**Session Chair: Taghi M. Khoshgoftaar**

- 61 Message-Independent Test Harness for Content-Level Test of B<sup>2</sup>B Standards: An Application Information Mapping Test Case Study  
Jun Ho Shin<sup>1</sup>, Jaewook Kim<sup>1,2</sup>, and Nenad Ivezic<sup>1</sup>  
<sup>1</sup> *National Institute of Standards and Technology, USA*  
<sup>2</sup> *University of Maryland, Baltimore County, USA*
- 100 Ontology-Based Information Model Development for Science Information Reuse and Integration  
J. Steven Hughes<sup>1</sup>, Daniel J. Crichton<sup>1</sup>, Chris A. Mattmann<sup>1,2</sup>  
<sup>1</sup> *California Institute of Technology, USA*  
<sup>2</sup> *University of Southern California, USA*
- 27 A Framework for Modeling and Reasoning about Network Management Resources and Services to Support Information Reuse  
John Strassner, James Won-Ki Hong and Kyo Kang  
*Pohang University of Science and Technology, Korea*

**Poster Presentation**

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

4:00 - 6:00 pm **Panel Session** (Florentine E)

**Panel Title: Critical Need for Funding of Basic and Applied Research in Large-Scale Computing**

**Panelists: Stuart Rubin, Shu-Ching Chen, Lotfi Zadeh, Bhavani Thursingham, Dan Smith, Jon Rokne, Gary Boettinger**

6:00 - 8:00 pm **Reception and Poster Exhibition** (Tuscany Room)

**Poster**

- 10 Adaptive Immune Algorithm considering Intensification and Diversification  
Masaya Yoshikawa, Akira Naruse and Shinsuke Souboku  
*Meijo university, Japan*
- 14 Ontology Guided Autonomous Label Assignment in Wrapper Induced Tables with Missing Column Names  
Mohammad Shafkat Amin and Hasan Jamil  
*Wayne State University, USA*
- 123 Summarizing Online Discussions by Filtering Posts  
Mohamed Altantawy, Ahmed Rafea and Sherif Aly  
*The American University in Cairo, Egypt*
- 52 A Hybrid DEMATEL-TOPSIS Multi-Criteria Decision Making Model  
Doraid Dalalah  
*Jordan University of Science and Technology, Jordan*
- 60 Towards a General Entity Representation Model  
Barbara Bazzanella, Themis Palpanas and Heiko Stoermer  
*University of Trento, Italy*
- 107 Supervised Multi-class Classification with Adaptive and Automatic Parameter Tuning  
Chao Chen<sup>1</sup>, Mei-Ling Shyu<sup>1</sup> and Shu-Ching Chen<sup>2</sup>  
<sup>1</sup> *University of Miami, USA*  
<sup>2</sup> *Florida International University, USA*
- 136 Bridging Test Languages to Reuse Test Information: A Metamodel for Test Information  
Shuai Wang<sup>1,2</sup>, Yindong Ji<sup>2</sup>, Wei Dong<sup>2</sup> and Shiyuan Yang<sup>1</sup>  
<sup>1</sup> *Tsinghua University, China*  
<sup>2</sup> *Tsinghua National Laboratory for Information Science and Technology, China*
- 152 A pioneering Cryptic Random Projection based approach for Privacy Preserving Data Mining  
K. Murugesan<sup>1</sup>, Md. Rukunuddin Ghalib<sup>2</sup>, J. Gitanjali<sup>2</sup>, J. Indumathi<sup>1</sup> and D. Manjula<sup>1</sup>  
<sup>1</sup> *Anna University, India*  
<sup>2</sup> *Vellore Institute of technology, India*
- 53 A Dynamic Neural Network Model for Nonlinear System Identification  
Chi-Hsu Wang<sup>1</sup>, Pin-Cheng Chen<sup>2</sup>, Ping-Zong Lin<sup>1</sup> and Tsu-Tian Lee<sup>1</sup>  
<sup>1</sup> *National Chiao Tung University, Taiwan*  
<sup>2</sup> *National Taipei University of Technology, Taiwan*
- 134 Dynamic Model Performance-driven Weighting System for Nowcasting  
Laura Huang<sup>1</sup>, George Isaac<sup>1</sup>, Grant Sheng<sup>2</sup>, Monika Bailey<sup>1</sup> and Robert Crawford<sup>1</sup>  
<sup>1</sup> *Environment Canada, Canada*  
<sup>2</sup> *York University, Canada*
- 131 An Embedded software component Quality Model - EQM  
Fernando Carvalho<sup>1,2,3</sup>, Silvio R. L. Meira<sup>1</sup>, Bruno Freitas<sup>2</sup> and Nathalia Carvalho<sup>2</sup>  
<sup>1</sup> *Federal University of Pernambuco, Brazil*  
<sup>2</sup> *University of Pernambuco, Brazil*  
<sup>3</sup> *Estadual Agency of Information Tecnology, Brazil*
- 90 The Development of an Evolutionary Algorithm to Predict Outcomes in Meteorological Trends  
Louellen McCoy and Stuart Rubin  
*SPAWAR System Center-Pacific, USA*

**August 11, 2009, Tuesday (Day 2)**

- 7:30 - 8:30 am **Breakfast** (Florentine G)
- 8:30 - 9:30 am **KEYNOTE(3)** (Florentine E)  
**Bhavani Thuraisingham**  
 Building Trustworthy Semantic Webs
- 9:30 - 10:30 am **KEYNOTE(4)** (Florentine E)  
**Dan Smith**  
 Efficient Reuse and Integration at NASA - Its Not Just the Technology
- 10:30 - 11:00 am **Break** (Florentine Foyer)
- 11:00 am - 12:00 pm **Session C**
- Session C1: Network, Security and Mobile Devices** (Florentine E)  
**Session Chair: Hasan Jamil**
- 37 A Secure Multiple-Agent Cryptographic Key Recovery System  
 Kanokwan Kanyamee and Chanboon Sathitwiriawong  
*King Mongkut's Institute of Technology Ladkrabang, Thailand*
- 26 Critical Issues in Trust Management for Mobile Ad-Hoc Networks  
 Rajan Shankaran, Vijay Varadharajan, Mehmet Orgun and Michael Hitchens  
*Macquarie University, Australia*
- 86 Design and Implementation of a Lip Reading System in Smart Phone Environment  
 Young-Un Kim, Sun-Kyung Kang and Sung-Tae Jung  
*Wonkwang University, Korea*
- Session C2: Software Testing** (Florentine F)  
**Chair: Taghi M. Khoshgoftaar**
- 114 Enterprise SoBA: Large-scale Implementation of Acceptance Test Driven Story Cards  
 Patrick Onions and Chetankumar Patel  
*Leeds Metropolitan University, UK*
- 70 Randomization for Testing Systems of Systems  
 Qianhui Liang and Stuart Rubin  
<sup>1</sup> *Singapore Management University, Singapore*  
<sup>2</sup> *SPAWAR Systems Center, USA*
- 77 Generation of Pairwise Test Sets using a Simulated Bee Colony Algorithm  
 James McCaffrey  
*Microsoft MSDN / Volt VTE, USA*
- 12:00 - 1:30 pm **Lunch**
- 1:30 am - 3:00 pm **Session D**
- Session D1: Data Mining 2** (Florentine E)  
**Session Chair: Ghassan Qadah**
- 98 Correlation-based Interestingness Measure for Video Semantic Concept Detection  
 Lin Lin <sup>1</sup>, Mei-Ling Shyu <sup>1</sup> and Shu-Ching Chen <sup>2</sup>  
<sup>1</sup> *University of Miami, USA*  
<sup>2</sup> *Florida International University, USA*
- 110 Mining User Behavior Pattern in Mashup Community  
 Junjian Wang, Huajun Chen and Yu Zhang  
*Zhejiang University, China*
- 34 Visual Integration Tool for Heterogeneous Data Type by Unified Vectorization  
 Farid Bourennani, Ken Q. Pu and Ying Zhu  
*University of Ontario Institute of Technology, Canada*
- 151 A New Framework for An Adaptive Classifier Model  
 Iltae Lee <sup>1</sup>, Keivan Kianmehr <sup>1</sup>, Negar Koochakzadeh <sup>1</sup>, Reda Alhaji <sup>1,2</sup> and Jon Rokne <sup>1</sup>  
<sup>1</sup> *University of Calgary, Canada*  
<sup>2</sup> *Global University, Beirut, Lebanon*
- Session D2: Semantic Web and Text Mining** (Florentine F)  
**Session Chair: John Strassner**
- 5 Sub-Ontology Modularization for Large-Scale Web Ontologies  
 Yuxin Mao and Guiyi Wei  
*Zhejiang Gongshang University, China*
- 12 A Novel Approach for Entity Linkage  
 Heiko Stoermer and Paolo Bouquet  
*University of Trento, Italy*
- 113 Deriving Similarity Graphs from Open Linked Data on Semantic Web  
 Jinhua Mi, Huajun Chen, Bin Lu, Tong Yu and Gang Pan  
*Zhejiang University, China*
- 160 A Word-Frequency Based Method for Detecting Plagiarism in Documents  
 Richard Lackes, Julian Bartels, Esther Berndt and Erik Frank  
*Technische Universitaet Dortmund, Germany*
- 4 Pattern Matching with Wildcards based on Key Character Location

Yingling Liu<sup>1,3</sup>, Xindong Wu<sup>2,1</sup>, Xuegang Hu<sup>1</sup>, Jun Gao<sup>1</sup>, Gongqing Wu<sup>1</sup>, Haiping Wang<sup>1</sup> and Xiaoli Hong<sup>1</sup>  
<sup>1</sup> Hefei University of Technology, China  
<sup>2</sup> University of Vermont, Burlington, USA  
<sup>3</sup> University of Science and Technology of China, China

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

**3:30 - 5:00 pm Session E**

**Session E1: Knowledge Management** (Florentine E)

**Session Chair: Reda Alhajj**

- 65 Knowledge-Based Evaluation of Nursing Care Practice  
 Shihong Huang, Marilyn Parker, Sam Hsu, Abhijit Pandya and Shubhang Tripathi  
*Florida Atlantic University, USA*
- 91 Knowledge Acquisition from Corresponding Domain Knowledge Transformations  
 Michael Armella<sup>1</sup>, Isai Michel Lombera<sup>2</sup>, Stuart H. Rubin<sup>3</sup>, Shu-Ching Chen<sup>1</sup> and Gordon Lee<sup>2</sup>  
<sup>1</sup> Florida International University, USA  
<sup>2</sup> San Diego State University, USA  
<sup>3</sup> SPAWAR Systems Center, USA
- 150 Inconsistency: The Good, The Bad, and The Ugly  
 Du Zhang  
*California State University, Sacramento, USA*
- 140 An Analysis of Research on Information Reuse and Integration  
 Min-Yuh Day<sup>1,2</sup>, Chong-Shyong Ong<sup>1</sup> and Wen-Lian Hsu<sup>2</sup>  
<sup>1</sup> National Taiwan University, Taiwan  
<sup>2</sup> Academia Sinica, Taiwan

**Session E2: Visualization and HCI** (Florentine F)

**Session Chair: Heiko Stoermer**

- 20 Client-Side Data Visualization  
 Toru Saito and Jinsong Ouyang  
*California State University, Sacramento, USA*
- 57 ICE--Visual Analytics for Transportation Incident Datasets  
 Michael Pack, Krist Wongsuphasawat, Michael VanDaniker and Darya Filippova  
*University of Maryland, College Park, USA*
- 162 Visualizing Real-Time and Archived Traffic Incident Data  
 Michael VanDaniker  
*University of Maryland, College Park, USA*
- 85 A Perspective on the Design of Human Centered Collaboration Systems  
 Seung-yun Kim and Ashish Godbole  
*Shepherd University, USA*
- 32 Intra-frame Compression of Video Sequences with Inverse Difference Pyramid Decomposition  
 Roumen Kountchev<sup>1</sup>, Stuart Rubin<sup>2</sup>, Mariofanna Milanova<sup>3</sup>, Vladimir Todorov<sup>4</sup> and Roumiana Kountcheva<sup>4</sup>  
<sup>1</sup> Technical University of Sofia, Bulgaria  
<sup>2</sup> Space and Naval Warfare Systems Center, USA  
<sup>3</sup> University of Arkansas at Little Rock, USA  
<sup>4</sup> T&K Engineering Sofia, Bulgaria

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

**August 12, 2009, Wednesday (Day 3)**

**7:30 - 8:30 am Breakfast** (Florentine G)

**8:30 – 10:00 am Session F**

**Session F1: Formal Methods and Software Development** (Florentine E)

**Session Chair: John Strassner**

- 147 An Agent-Based Formal Framework for Modeling and Simulating Supply Chains  
 Li Tan<sup>1</sup>, Shenghan Xu<sup>2</sup>, Benjamin Meyer<sup>1</sup> and Brock Erwin<sup>1</sup>  
<sup>1</sup> Washington State University, USA  
<sup>2</sup> University of Idaho, USA
- 46 Formal Specification of Bounded Buffer using Stream Functions  
 Gongzhu Hu  
*Central Michigan University, USA*
- 63 Scalability Improvement in Software Evaluation Methodologies  
 Hamdy Ibrahim<sup>1</sup>, Behrouz H. Far<sup>1</sup> and Armin Eberlein<sup>2</sup>  
<sup>1</sup> University of Calgary, Canada  
<sup>2</sup> American University of Sharjah, UAE
- 42 Ranking Search Results for Translated Content  
 Brian Hawkins and Christophe Giraud-Carrier  
<sup>1</sup> Lingotek, Inc., USA  
<sup>2</sup> Brigham Young University, USA
- 158 An Automated Approach for Generating Project Execution Modes with Multi-skilled Workforce Coalition Formation  
 Nora Houari and Behrouz H. Far

*University of Calgary, Canada*

**Session F2: Simulation** (Florentine F)

**Session Chair: Seung-yun Kim**

- 36 A Reusable Model of Causal Graph in Qualitative Reasoning  
Tokuro Matsuo  
*Yamagata University, Japan*
- 64 A Real-time Performance Monitoring System Based on Data Logging Device for Signalized Intersections  
Yongqing Guo and Ahmed Abdel-Rahim  
*University of Idaho, USA*
- 161 A Practical Dynamic Frequency Scaling Solution to DPM in Embedded Linux Systems  
YuHua Zhang, Longhua Qian, Qiang Lv, Peide Qian and Lei Zhao  
*Soochow University, China*
- 112 Using 4KB Page Size for Virtual Memory is Obsolete  
Pinchas Weisberg and Yair Wiseman  
*Bar Ilan University, Israel*

**10:00 - 10:30 am Break** (Florentine Foyer)

**10:30 am - 12:00 pm Session G**

**Session G1: Software Development** (Florentine E)

**Session Chair: Ahmed Rafea**

- 118 Incorporating Information of Value in a Component Repository to Support a Component Marketplace Infrastructure  
Rodrigo Pereira dos Santos, Cláudia Maria Lima Werner and Marlon Alves da Silva  
*Federal University of Rio de Janeiro, Brazil*
- 138 An Empirical Investigation of Filter Attribute Selection Techniques for Software Quality Classification  
Kehan Gao<sup>1</sup>, Taghi Khoshgoftaar<sup>2</sup> and Huanjing Wang<sup>3</sup>  
<sup>1</sup> *Eastern Connecticut State University, USA*  
<sup>2</sup> *Florida Atlantic University, USA*  
<sup>3</sup> *Western Kentucky University, USA*
- 104 Semantics of the interaction overview diagram  
Thouraya Bouabana Tebibel  
*Ecole Nationale Supérieure d'Informatique, Algeria*
- 66 Peer to Peer Support for the Reuse of Open Source Software Libraries  
Yunwen Ye  
*Software Research Associates, Inc., Japan*

**Session G2: Schema Mapping and Database** (Florentine F)

**Session Chair: Suresh Vadhva**

- 92 Collaborative Schema Construction using Regular Sequence Types  
Jorge Coelho<sup>1</sup>, M'ario Florido<sup>2</sup> and Temur Kutsia<sup>3</sup>  
<sup>1</sup> *ISEP & LIACC, Portugal*  
<sup>2</sup> *Univ. of Porto, DCC-FC & LIACC, Portugal*  
<sup>3</sup> *Johannes Kepler University, Austria*
- 122 A Framework of Fuzzy Triggers for XML Database Systems  
Ying Jin and Shalini Shidlagatta  
*California State University, Sacramento, USA*
- 80 Management of Composite Events for Active Database Rule Scheduling  
Ying Jin  
*California State University, Sacramento, USA*
- 155 Processing Independent and Inter-Linked Documents in XML Databases  
Ghassan Z. Qadah  
*American University of Sharjah, UAE*
- 51 An Efficient Information Access Scheme for Moving Object Databases  
Kami Makki, Bo Sun and Majid khojastehpour  
*Lamar University, USA*

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

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

**Session H1: Ontology** (Florentine E)

**Session Chair: Min-Yuh Day**

- 13 OntoMatch: A Monotonically Improving Schema Matching System for Autonomous Data Integration  
Anupam Bhattacharjee and Hasan Jamil  
*Wayne State University, USA*
- 144 Heterogeneity in Ontology-Based CBR Systems  
Amjad Abou Assali<sup>1</sup>, Dominique Lenne<sup>1</sup> and Bruno Debray<sup>2</sup>  
<sup>1</sup> *UTC, CNRS, HEUDIASYC, France*  
<sup>2</sup> *INERIS, France*
- 8 Enhancing Search Results of Concept Annotated Documents  
Ehab Abdelhamid<sup>1</sup>, Ahmed Rafea<sup>2</sup> and Samhaa El-Beltagy<sup>1</sup>  
<sup>1</sup> *Cairo University, Egypt*  
<sup>2</sup> *American University in Cairo, Egypt*
- 21 Translating Relational & Object-Relational Database Models into OWL Models  
Khalid Albarrak and Edgar Sibley

*George Mason University, USA*

**Session H2: Web Engineering** (Florentine F)

**Session Chair: Rodrigo Pereira dos Santos**

- 129 Integration of Hurricane Wind Analysis and Multimedia Semantic Content Analysis for Public Outreach  
Guy Ravitz<sup>1</sup>, Mei-Ling Shyu<sup>1</sup> and Mark D. Powell<sup>2</sup>  
<sup>1</sup> *University of Miami, USA*  
<sup>2</sup> *NOAA/AOML, Hurricane Research Division, USA*
- 101 Using Web Resources for Support of Online-Browsing of Research Papers  
Manabu Ohta<sup>1</sup>, Toshihiro Hachiki<sup>1</sup> and Atsuhiko Takasu<sup>2</sup>  
<sup>1</sup> *Okayama University, Japan*  
<sup>2</sup> *National Institute of Informatics, Japan*
- 84 FastWrap: An Efficient Wrapper for Tabular Data Extraction from the Web  
Mohammad Shafkat Amin and Hasan Jamil  
Wayne State University, USA
- 48 Dynamic Personalization for Meta-queriers  
Xiao Li, Randy Chow and Lu Chen  
*University of Florida, USA*
- 15 RebaCQ: Query Refinement Based on Consecutive Queries  
Chia-Hsin Hung, Shuo-En Tsai and Yi-Shin Chen  
*National Tsing Hua University, Taiwan*

**3:00 – 3:30 pm Break** (Florentine Foyer)

**3:30 - 5:00 pm Session I**

**Session I1: Data Mining 3** (Florentine E)

**Session Chair: Heiko Stoermer**

- 121 Constructing a Self-Organizing C++ Programming Inquiry Behavior Miner on the Forum  
Shian-Shyong Tseng, Jui-Feng Weng, Huan-Yu Lin and Jun-Ming Su  
*National Chiao Tung University, Taiwan*
- 97 Integration and Knowledge Reuse Environment for Producing Award Winning Solutions for Binary Decision Data Mining Problems  
Rodrigo C. L. V. Cunha, Paulo J.L. Adeodato and Silvio R.L. Meira  
*Federal University of Pernambuco, Brazil*
- 45 A Two Stage Approach for Contiguous Sequential Pattern Mining  
Jinlin Chen<sup>1</sup>, Subash Shankar<sup>2</sup>, Angela Kelly<sup>3</sup>, Serigne Geingue<sup>3</sup> and Rathika Rajaravivarma<sup>4</sup>  
<sup>1</sup> *Queens College, City University of New York, USA*  
<sup>2</sup> *Hunter College, City University of New York, USA*  
<sup>3</sup> *Lehman College, City University of New York, USA*  
<sup>4</sup> *City Tech., City University of New York, USA*
- 163 Probabilistic Discovery of Motifs in Water Level  
Longzhuang Li and Sreekrishan Nallela  
*Texas A&M University, USA*
- 111 Collaborative Semantic Association Discovery from Linked Data  
Qingzhao Zheng, Huajun Chen, Tong Yu and Gang Pan  
*Zhejiang University, China*

**Session I2: Intelligent Agents and NLP** (Florentine F)

**Session Chair: Khalid M Albarrak**

- 71 About Agents that Reason by Case (Preliminary Report)  
Philippe Besnard<sup>1</sup> and Eric Grégoire<sup>2</sup>  
<sup>1</sup> *IRIT, France*  
<sup>2</sup> *Université Lille - Nord de France, Artois, France*
- 119 A Maximum Entropy Approach to Chinese Grapheme-to-Phoneme Conversion  
Richard Tzong-Han Tsai<sup>1</sup> and Yu-Chun Wang<sup>2</sup>  
<sup>1</sup> *Yuan Ze University, Taiwan*  
<sup>2</sup> *Chunghwa Telecommunication Laboratories, Taiwan*
- 148 Study on Heuristics for the Permutation Flowshop with Sequence Dependent Setup Times  
Xingye Dong, Houkuan Huang and Ping Chen  
*Beijing Jiaotong University, China*

**5:30 - 7:30 pm Organization Committee Meeting** (CLOSED SESSION) (Florentine E)