

## **Welcome Message from Workshop Co-Chairs**

As the Web continues to grow and evolve, many new problems and challenges are being introduced. The WI-IAT workshops aim to provide researchers who share similar research interests to meet and address new research challenges and initiatives that concern Web Intelligence (WI) and Intelligent Agent Technology (IAT). The Workshops provide a venue and forum for contributions in specialized sub-areas of Web Intelligence and Intelligent Agent Technology, and allowing authors to present new and emerging trends in methods and technologies to dedicated audiences.

The conferences received 22 proposals for WI-IAT 2010 workshops, out of which 16 were accepted (including a doctoral workshop), representing a variety of selected special topics. The workshops received 282 submissions in total. The acceptance rate for published papers is approximately 36.5%. Each paper submitted to the workshops was reviewed by at least two program committee members and, using these reviews, the workshop organizers selected papers for inclusion in the workshop proceedings and presentation at the conferences. The workshop co-chairs further scrutinized the acceptance decisions of all workshops. This three-level decision process ensures that the workshop proceedings is a well sought out source of high quality papers in emerging research areas.

We express our sincere gratitude to the workshop organizers. Their professionalism and hard work made our tasks much easier. We also appreciate the guidance and suggestions we received from several current and past members of the WI-IAT organization; especially, Jimmy Huang and Ning Zhong.

We are grateful to Juzhen Dong for her excellent technical assistance in ensuring smooth functioning of the paper management functions. Finally, we thank all authors for their submissions and all attendees for their participation. To have stimulating and thought provoking workshops would not be possible without their support.

Orland Hoerber and Yuefeng Li

**WI-IAT 2010 Workshop Co-Chairs**

**Tuesday, August 31, 2010 (Workshop Sessions 8:35 – 15:30)**

<b>Venue</b>	<b>TEL 0004</b>	<b>TEL 0005</b>	<b>TEL 0006</b>	<b>TEL 0007</b>	<b>TEL 0009</b>	<b>TEL 0010</b>	<b>TEL 0011</b>
08:35-10:00	<b>IWCSN</b> International Workshop on Computational Social Networks	<b>CARE</b> The 2nd International Workshop on Collaborative Agents - REsearch and development	<b>IEEM</b> The 4th International Workshop on Intelligent E-Government and Emergency Management	<b>WebPRES</b> Workshop on Web Personalization and Recommender Systems	<b>OMBI</b> The 1st International Workshop on Opinion Mining for Business Intelligence	<b>IWI</b> International Workshop on Intelligent Web Interaction	<b>HAI</b> Workshop on Human Aspects in Ambient Intelligence: Agent Technology, Human-Oriented Knowledge, and Applications
10:00-10:20	<b>Coffee Break (TBA)</b>						
<b>Venue</b>	<b>TEL 0004</b>	<b>TEL 0005</b>	<b>TEL 0006</b>	<b>TEL 0007</b>	<b>TEL 0009</b>	<b>TEL 0010</b>	<b>TEL 0011</b>
10:20-12:00	<b>IWCSN</b> International Workshop on Computational Social Networks	<b>CARE</b> The 2nd International Workshop on Collaborative Agents - REsearch and development	<b>IEEM</b> The 4th International Workshop on Intelligent E-Government and Emergency Management	<b>WebPRES</b> Workshop on Web Personalization and Recommender Systems	<b>OMBI</b> The 1st International Workshop on Opinion Mining for Business Intelligence	<b>IWI</b> International Workshop on Intelligent Web Interaction	<b>HAI</b> Workshop on Human Aspects in Ambient Intelligence: Agent Technology, Human-Oriented Knowledge, and Applications
12:00-13:25	<b>Lunch Break (TBA)</b>						
<b>Venue</b>	<b>TEL 0004</b>	<b>TEL 0005</b>	<b>TEL 0006</b>	<b>TEL 0007</b>	<b>TEL 0009</b>	<b>TEL 0010</b>	<b>TEL 0011</b>
13:25-15:30	<b>CISWSN</b> The 3rd Workshop on Collective Intelligence in Semantic Web and Social Networks	<b>CARE</b> The 2nd International Workshop on Collaborative Agents - REsearch and development	<b>IEEM</b> The 4th International Workshop on Intelligent E-Government and Emergency Management	<b>WebPRES</b> Workshop on Web Personalization and Recommender Systems	<b>Web-KR3</b> International Workshop on Web-Scale Knowledge Representation, Retrieval, and Reasoning	<b>IWI</b> International Workshop on Intelligent Web Interaction	<b>WLIAMAS</b> The 3rd Workshop on Logics for Intelligent Agents and Multi-Agent Systems

**Tuesday, August 31, 2010 (Workshop Sessions 8:35 – 15:30)**

<b>Venue</b>	<b>TEL 0013</b>	<b>TEL 0014</b>	<b>TEL 0015</b>	<b>TEL 0016</b>	<b>TEL 1004</b>	<b>TEL 1005</b>	
08:35-10:00	<b>SIE</b> Workshop on Service Intelligence and Engineering	<b>ODMWI</b> Workshop on Optimization-Based Data Mining and Web Intelligence	<b>WI-IAT DW</b> The 3rd WI-IAT Doctoral Workshop	<b>WIRSS</b> The 3rd International Workshop on Web Information Retrieval Support Systems	<b>NLPOE</b> Workshop on Natural Language Processing and Ontology Engineering	<b>MCS</b> The 10th International Workshop on Meta-Synthesis and Complex Systems	
10:00-10:20	Coffee Break (TBA)						
<b>Venue</b>	<b>TEL 0013</b>	<b>TEL 0014</b>	<b>TEL 0015</b>	<b>TEL 0016</b>	<b>TEL 1004</b>	<b>TEL 1005</b>	
10:20-12:00	<b>SIE</b> Workshop on Service Intelligence and Engineering	<b>ODMWI</b> Workshop on Optimization-Based Data Mining and Web Intelligence	<b>WI-IAT DW</b> The 3rd WI-IAT Doctoral Workshop	<b>WIRSS</b> The 3rd International Workshop on Web Information Retrieval Support Systems	<b>NLPOE</b> Workshop on Natural Language Processing and Ontology Engineering	<b>MCS</b> The 10th International Workshop on Meta-Synthesis and Complex Systems	
12:00-13:25	Lunch Break (TBA)						
<b>Venue</b>	<b>TEL 0013</b>	<b>TEL 0014</b>	<b>TEL 0015</b>	<b>TEL 0016</b>	<b>TEL 1004</b>	<b>TEL 1005</b>	
13:25-15:30		<b>ODMWI</b> Workshop on Optimization-Based Data Mining and Web Intelligence		<b>WIRSS</b> The 3rd International Workshop on Web Information Retrieval Support Systems			

# Workshop Program

## The 3rd Workshop on Collective Intelligence in Semantic Web and Social Networks (CISWSN 2010)

### Workshop Organizers:

- **Krzysztof Juszczyszyn** (Wroclaw University of Technology, Poland)
- **Tudor Groza** (Digital Enterprise Research Institute Galway, National University of Ireland, Galway, Ireland)
- **Katarzyna Musial** (Bournemouth University, UK)
- **Siegfried Handschuh** (Digital Enterprise Research Institute Galway, National University of Ireland, Galway, Ireland)

**Location: TEL 0004**

### Session C (13:25 – 15:30)

- *Workshop Opening*
- *Utilizing Dynamic Molecular Modelling Technique for Predicting Changes in Complex Social Networks*, Krzysztof Juszczyszyn, Anna Musial, Katarzyna Musial, and Piotr Bródka
- *Individual Neighbourhood Exploration in Complex Multi-Layered Social Network*, Przemysław Kazienko, Piotr Bródka, and Katarzyna Musial
- *Commentary-Based Social Network Analysis and Visualization of Hong Kong Singers*, Janice Kwan-Wai Leung and C.H. Li
- *Tracing Strength of Relationships in Social Networks*, Ivan Srba and Mária Bielíková
- *Workshop Closing Remarks*

## The 4th International Workshop on Intelligent E-Government and Emergency Management

**(IEEM 2010)**

### Workshop Organizers:

- **Ning Wang** (Dalian University Of Technology, China)
- **Xin Ye** (Dalian University Of Technology, China)
- **Shaobo Ji** (Dalian University Of Technology, China/Carleton University, Canada)
- **Liming Zhu** (National ICT Australia, Australia, Liming)
- **Xuelong Chen** (Dalian University Of Technology, China)

**Location: TEL 0006**

### Session A (8:35 – 10:00)

- *Workshop Opening*
- *A Security Audit Framework to Manage Information System Security*, Teresa Susana Mendes Pereira and Henrique Santos

- *Chaotic Analysis on E-Government System Development*, Wang Yanzhang, Xiao Guirong, and Han Shengju
- *The Method of Case Retrieving in the Emergency Field Based on CBR*, Qiuyan Zhong, Xiaonan Zhang, Su Guo, Xin Ye, and Jiangnan Qiu

**Session B (10:20 – 12:00)**

- *Research on Organizational Collaboration Oriented OB4LAC in E-Government*, Huaiming Li, Shuai Yang, Ning Wang, and Yanzhang Wang
- *The Information Resource Integration in E-Government Based on EAI*, Liming Li, Peng Zhang, Ning Wang, and Yanzhang Wang
- *Construction of Emergency Plan Network Model Supporting for Multi-Plan-Based Application*, Jiangnan Qiu, Hao Zhang, Rui Zhang, Qiuyan Zhong, and Ning Wang
- *The Inter-Organizational Business Collaboration Oriented Role Model for E-Government*, Ye Xin, Ma Junfeng, Wang Yanzhang, Zuo Chao, and Bing Xinhua

**Session C (13:25 – 15:30)**

- *Research on the Problem and Solution in Chinese E-Government Development*, Wang Ning, Chao Ke, Bai He, Zhong Qiuyan, and Wang Yanzhang
- *A Hierarchical Description Framework of Decision Model for Multilevel Users*, Xuelong Chen, Yanzhang Wang, and Ning Wang
- *Research on Post Node Model in E-Government*, Zhang Peng, Xiao Junde, Wang Yanzhang, and Wang Keyi
- *Workshop Closing Remarks*

## **International Workshop on Computational Social Networks (IWCSN 2010)**

**Workshop Organizers:**

- **Vaclav Snasel** (VSB-Technical University of Ostrava, Czech Republic)
- **Ajith Abraham** (Norwegian Center of Excellence, Norway)

**Location: TEL 0004**

**Session A (8:35 – 10:00)**

- *Workshop Opening*
- *Use of Email Social Networks for Enterprise Benefit*, Michal Laclavík, Štefan Dlugolinský, Marcel Kvassay, and Ladislav Hluchý
- *Content Propagation Analysis of E-Mail Communications*, Naoki Yoshinaga, Satoko Itaya, Rie Tanaka, Taku Konishi, Sinichi Doi, Keiji Yamada, and Peter Davis
- *The Effect of Transitive Linking on Information Diffusion in Dynamic Acquaintance Networks*, Takashi Ishikawa

**Session B (10:20 – 12:00)**

- *User Segmentation Based on Finding Communities with Similar Behavior on the Web Site*, Kateřina Slaninová, Radim Dolák, Martin Miškus, Jan Martinovič, and Václav Snášel

- *A Tolerance Rough Set Based Overlapping Clustering for the DBLP Data*, Gamila Obadi, Pavla Dráždilová, Lukáš Hlaváček, Jan Martinovič, and Václav Snášel
- *Predicting Edges And Vertices In A Network*, Walid K. Sharabati, Edward J. Wegman, and Yasmin H. Said
- *Evolutionary Community Discovery from Dynamic Multi-Relational CQA Networks*, Zhongfeng Zhang, Qiudan Li, and Daniel Zeng
- *Workshop Closing Remarks*

## **International Workshop on Intelligent Web Interaction (IWI 2010)**

### **Workshop Organizers:**

- **Tsuyoshi Murata** (Tokyo Institute of Technology, Japan)
- **Seiji Yamada** (National Institute of Informatics, Japan)

### **Location: TEL 0010**

### **Session A (8:35 – 10:00)**

- *Workshop Opening*
- *HCX: A Distributed OSGi Based Web Interaction System for Sharing Health Records in the Cloud*, Sabah Mohammed, Daniel servo, and Jinan Fiaidhi
- *Breaking News Detection and Tracking in Twitter*, Swit Phuvipadawat and Tsuyoshi Murata
- *Treelicious: A System for Semantically Navigating Tagged Web Pages*, Matt Mullins and Perry Fizzano

### **Session B (10:20 – 12:00)**

- *Location-Based Semantic Matchmaking In Ubiquitous Computing*, Michele Ruta, Floriano Scioscia, Eugenio Di Sciascio, and Giacomo Piscitelli
- *An Interactive Tool for Constrained Clustering with Human Sampling*, Masayuki Okabe and Seiji Yamada
- *Detecting Task-Based Query Sessions Using Collaborative Knowledge*, Claudio Lucchese, Salvatore Orlando, Raffaele Perego, Fabrizio Silvestri, and Gabriele Tolomei
- *User Navigation Behavior Mining Using Multiple Data Domain Description*, Li Xue, Ming Chen, Yun Xiong, and Yangyong Zhu

### **Session C (13:25 – 15:30)**

- *An Approach to Create Persuasive Web Sites*, Makoto Orino and Yasuhiko Kitamura
- *An Investigation of Potency of eWOM Messages with a Focus on Subjective Rank Expressions*, Kazunori Fujimoto
- *Careful Seeding Based on Independent Component Analysis for k-means Clustering*, Takashi Onoda, Miho Sakai, and Seiji Yamada
- *Analysis of User Feedback Cost for Document Similarity Judgment*, Minghuang Chen, Seiji Yamada, and Yasufumi Takama
- *Workshop Closing Remarks*

## **The 10th International Workshop on Meta-Synthesis and Complex Systems (MCS 2010)**

### **Workshop Organizers:**

- **Xijin Tang**, (Academy of Mathematics and Systems Science, Chinese Academy of Sciences (CAS), PR China)
- **Xiaoji Zhou**, (Beijing Institute of Information and Control, PR China)

**Location: TEL 1005**

### **Session A (8:35 – 10:00)**

- *Workshop Opening*
- *Problem Solving Framework and Case Study in Meta-Synthesis Workshop*, Xiaoji Zhou and Jingyuan Yu
- *Collaborative Distribution Knowledge Service System Based on Task Context Aware*, Liang Xiao and Yanli Pei
- *Visualized Clustering of Ideas for Group Argumentation*, Bin Luo and Xijin Tang

### **Session B (10:20 – 12:00)**

- *A Case Investigation on the Scaling Behaviors in Web Browsing*, Gengsheng Zhao, Ning Zhang, Zhaoxing Liu, and Jiming Li
- *Simulation Data and Process Management System in the Development of Virtual Prototype*, Hang Yin, Yongming Gao, Hui Yan, and Jiejuan Wang
- *Possibility Degree Method for Ranking Intuitionistic Fuzzy Numbers*, Cui-Ping Wei and Xijin Tang
- *A Method Based on Grey Correlation Clustering for Improving the Hierarchy of Analytic Hierarchy Process*, Di Zhao, Hongfu Liu, and Hongyi Li
- *Workshop Closing Remarks*

## **Workshop on Natural Language Processing and Ontology Engineering (NLPOE 2010)**

### **Workshop Organizers:**

- **Zhifang Sui**, (Peking University, China)
- **Yao Liu**, (Institute of Scientific and Technical Information of China, China)

**Location: TEL 1004**

### **Session A (8:35 – 10:00)**

- *Workshop Opening*
- *LiSTOMS: a Light-Weighted Self-Tuning Ontology Mapping System*, Zhen Zhen, Junyi Shen, Jinwei Zhao, and Jianjun Qian
- *Automatic Identification of Chinese Multiword Chunk based on CRF*, Ru Li, Lijun Zhong, Shuanghong Li, and Zezheng Zhang
- *Automated Error Detection of Vocabulary Usage in College English Writing*, Shi-Li Ge and Rou Song

**Session B (10:20 – 12:00)**

- *Automatic Semantic Role Labeling for Chinese*, Ke Wang
- *The Chinese Noun Metaphors Knowledge Base and its use in the Recognition of Metaphors*, Zhimin Wang, Shiwen Yu, and Zhifang Sui
- *The Development of NLP-Based Chinese Ontology Construction Platform*, Zhifang Sui, Yao Liu, Jun Zhao, and Hong Zhang
- *One Sense per N-gram*, PengYuan Liu, Shui Liu, ShiQi Li, and ShiWen Yu
- *Workshop Closing Remarks*

## **Workshop on Optimization-Based Data Mining and Web Intelligence (ODMWI 2010)**

**Workshop Organizers:**

- **Yong Shi** (College of Information Science and Technology, University of Nebraska at Omaha, USA and Chinese Academy of Sciences Research Center on Fictitious Economy and Data Science Beijing, China)
- **Yingjie Tian** (Chinese Academy of Sciences Research Center on Fictitious Economy and Data Science Beijing, China)

**Location: TEL 0014**

**Session A (8:35 – 10:00)**

- *Workshop Opening*
- *Complex Event Processing for Object Tracking in Wireless Sensor Networks*, R. Bhargavi, V. Vaidehi, P.T.V. Bhuvaneswari, P. Balamurali, and Girish Chandra
- *Using Projection Gradient Method to Train Linear Support Vector Machines*, Lingfeng Niu and Yong Shi
- *Web Intelligence Meets Extenics: New Frontiers of Innovation for Small and Middle Business*, Xingsen Li, Aiguo Zhang, Jianling Duan, and Zhengxiang Zhu

**Session B (10:20 – 12:00)**

- *An Optimised Design for Agent Capability Reuse*, Hao Lan Zhang, Clement H.C. Leung, Xinghuo Yu, and Jing He
- *The Domain Knowledge Driven Intelligent Data Auditing Model*, Jing Yu, Bin Xu, and Yong Shi
- *A Cooperative Learning Algorithm for Multiclass Classification*, Youshen Xia and Yu Ying
- *Predicting Credit Card Holder Churn in Banks of China Using Data Mining and MCDM*, Guoxun Wang, Liang Liu, Yi Peng, Guangli Nie, Gang Kou, and Yong Shi

**Session C (13:25 – 15:30)**

- *A Knowledge Discovery Case Study of Software Quality Prediction: ISBSG Database*, Xiao Wang, Yuehua Zhang, Lingling Zhang, and Yong Shi
- *A New Weighted Ensemble Model for Detecting DoS Attack Streams*, Jinghua Yan, Xiaochun Yun, Peng Zhang, Jianlong Tan, and Li Guo
- *Workshop Closing Remarks*

# The 1st International Workshop on Opinion Mining for Business Intelligence (OMBI 2010)

## Workshop Organizers:

- **Xiaohui Yu** (York University, Canada)
- **Yang Liu** (Shandong University, China)

**Location: TEL 0009**

## Session A (8:35 – 10:00)

- *Workshop Opening*
- *Keynote: Opinion Mining: Structure the Unstructured*, Bing Liu
- *Invited Talk: Measuring Validity in Human and Machine Annotation*, Stuart W. Shulman
- *Tutorial: An Introduction to the Public Comment Analysis Toolkit (PCAT)*, Stuart W. Shulman

## Session B (10:20 – 12:00)

- *Assessing the Quality of Opinion Retrieval Systems*, Giambattista Amati, Giuseppe Amodeo, Valerio Capozio, Giorgio Gambosi, and Carlo Gaibisso
- *Mining Customer Feedbacks for Actionable Intelligence*, Lipika Dey, Sk Mirajul Haque, and Nidhi Raj
- *An Unsupervised Snippet-Based Sentiment Classification Method for Chinese Unknown Phrases Without Using Reference Word Pairs*, Ting-Chun Peng and Chia-Chun Shih
- *Semi-Supervised Learning for Opinion Detection*, Ning Yu and Sandra Kübler
- *Workshop Closing Remarks*

# International Workshop on Web-Scale Knowledge Representation, Retrieval, and Reasoning

(Web-KR3 2010)

## Workshop Organizers:

- **Zhisheng Huang** (Knowledge Representation and Reasoning Group, Vrije Universiteit Amsterdam, the Netherlands)
- **Harold Boley** (Semantic Web Lab, National Research Council, Canada)
- **Yi Zeng** (International WIC Institute, Beijing University of Technology, China)

**Location: TEL 0009**

## Session C (13:25 – 15:30)

- *Workshop Opening*
- *4s-reasoner: RDFS Backward Chained Reasoning Support in 4store*, Manuel Salvadorés, Gianluca Correndo, Tope Omitola, Nick Gibbins, Steve Harris, and Nigel Shadbolt
- *Semantic Structure Content for Dynamic Web Pages*, Mamdouh Farouk and Mitsuru Ishizuka
- *Efficient Visualization of Content and Contextual Information of an Online Multimedia Digital Library for Effective Browsing*, Surjeet Mishra, Amarendra Gorai, Tavleen Oberoi, and Hiranmay Ghosh
- *Workshop Closing Remarks*

## **Workshop on Web Personalization and Recommender Systems (WebPRES 2010)**

### **Workshop Organizers:**

- **Xiaohui Tao**, (Queensland University of Technology, Australia)
- **Xujuan Zhou**, (Queensland University of Technology, Australia)
- **Sheng-Tang Wu**, (Asia University, Taiwan)
- **Liming Chen**, (University of Ulster, Northern Ireland, UK)

**Location: TEL 0007**

### **Session A (8:35 – 10:00)**

- *Workshop Opening: Web Personalization and Recommender Systems*, Yue Xu
- *Keynote: Relevance Feature Discovery in Text Documents*, Yuefeng Li

### **Session B (10:20 – 12:00)**

- *One Improved Collaborative Filtering Method Based on Information Transformation*, Zhaoxing Liu, Ning Zhang, and Jiming Li
- *An Evaluation Framework for Content Recommender Systems - The Industry Perspective*, Calin Ciordas and Jeroen Doumen
- *Rule Extraction from Blog Using Inductive Logic Programming*, Noriaki Chikara, Miyuki Koshimura, Hiroshi Fujita, and Ryuzo Hasegawa
- *Non-Redundant Sequential Association Rule Mining and Application in Recommender Systems*, Hao Zang, Yue Xu, and Yuefeng Li

### **Session C (13:25 – 15:30)**

- *Ontology-Based Context-Dependent Personalization Technology*, Vladimir Gorodetsky, Vladimir Samoylov, and Sergey Serebryakov
- *A Decision Rule Method for Assessing the Completeness and Consistency of a Data Warehouse*, Nawaf Alkharboush and Yuefeng Li
- *Evaluation of Concept Space Rating Algorithm and Navigation Scheme*, Petr Šaloun and Zdenek Velart
- *Workshop Closing Remarks*

## **The 3rd International Workshop on Web Information Retrieval Support Systems (WIRSS 2010)**

### **Workshop Organizers:**

- **Orland Hoeber** (Memorial University, Canada)
- **Yiyu Yao** (University of Regina, Canada)

**Location: TEL 0016**

**Session A (8:35 – 10:00)**

- *Workshop Opening*
- *Search Engine Result Aggregation Using Analytical Hierarchy Process*, Arijit De, Elizabeth Diaz, and Vijay V. Raghavan
- *Towards Privacy Preserving Information Retrieval Through Semantic Microaggregation*, Daniel Abril, Guillermo Navarro-Arribas, and Vicenç Torra
- *Deploying Top-k Specific Patterns for Relevance Feature Discovery*, Luepol Pipanmaekaporn, Yuefeng Li, and Shlomo Geva

**Session B (10:20 – 12:00)**

- *Preprocessing of Slovak Blog Articles for Clustering*, Tomas Kuzar and Pavol Navrat
- *Analyzing the Effectiveness of Pruning and Grouping Methods Used in Literature-Based Discovery Tools*, Fatih Mehmet Gulec, Tahir Bicakci, Ebru Akcapinar Sezer, Hayri Sever, and Vijay V. Raghavan
- *Bridging Semantic and Legacy Web Exploration: Orientation, Revisitation and Result Exploration Support*, Michal Tvarožek and Mária Bieliková
- *Pref Shop—A Web Shop with User Preference Search Capabilities*, Branislav Vaclav, Alan Eckhardt, and Peter Vojtáš

**Session C (13:25 – 15:30)**

- *Comparing Tag Clouds, Term Histograms, and Term Lists for Enhancing Personalized Web Search*, Orland Hoeber and Hanze Liu
- *Information Retrieval eXperience (IRX): Towards a Human-Centered Personalized Model of Relevance*, Frans van der Sluis, Egon L. van den Broek, and Betsy van Dijk
- *Workshop Closing Remarks*

## **The 2nd International Workshop on Collaborative Agents - REsearch and development (CARE 2010)**

**Workshop Organizers:**

- **Christian Guttmann** (ETISALAT BT Innovation Centre EBTIC, Abu Dhabi, UAE and Monash University, Australia)
- **Frank Dignum** (University Utrecht, Netherlands)

**Location: TEL 0005****Session A (8:35 – 10:00)**

- *Workshop Opening*
- *Multi-Agent Coalition Formation for Distributed Area Coverage: Analysis and Evaluation*, Ke Cheng and Prithviraj Dasgupta
- *Collaboration in Network-Centric Warfare - Modeling Joint Fire Support Teams*, Christian Gerstner, Robert Siegfried, and Nane Kratzke
- *Isogonic Formation with Connectivity Preservation for a Team of Holonomic Robots in a Cluttered Environment*, Soheil Keshmiri and Shahram Payandeh

**Session B (10:20 – 12:00)**

- *E-Learning Computational Cloud (eLC2): Web Services Platform to Enhance Task Collaboration*, Sidhant Rajam, Ruth Cortez, Alexander Vazhenin, and Subhash Bhalla
- *Invited Talk: Modeling Warehouse Logistics using Agent Organizations*, Marcel Hiel, Huib Aldewereld, and Frank Dignum
- *Enhancing Patient-Centered Palliative Care With Collaborative Agents*, Ji Ruan, Wendy MacCaull, and Heather Jewers
- *Intelligent Adherence Support to Manage Contractual Relationships*, Christian Guttman, Kumari Wickramasinghe, Ian Edward Thomas, Michael Georgeff, and Heinz Schmidt

**Session C (13:25 – 15:30)**

- *Keynote: Decades of Multiagent Teamwork Research: Past, Present, Future*, Milind Tambe
- *Workshop Closing Remarks*

**Workshop on Human Aspects in Ambient Intelligence:  
Agent Technology, Human-Oriented Knowledge, and Applications**

**(HAI 2010)**

**Workshop Organizers:**

- **Juan Carlos Augusto** (University of Ulster, School of Computing and Mathematics, UK)
- **Tibor Bosse** (Vrije Universiteit Amsterdam, Agent Systems Research Group, Netherlands)
- **Cristiano Castelfranchi** (CNR Rome, Institute of Cognitive Sciences and Technologies, Italy)
- **Diane Cook** (Washington State University, USA)
- **Mark Neerinx** (TNO Human Factors and Technical University Delft, Netherlands)
- **Fariba Sadri** (Imperial College, Department of Computing, UK)

**Location: TEL 0011****Session A (8:35 – 10:00)**

- *Workshop Opening*
- *Designing Pervasive Interactions for Ambient Guidance with Situated Flows*, Fahim Kawsar, Gerd Kortuem, and Bashar Altakrouri
- *The Role of User Perceptions in Designing Ubiquitous Monitoring Systems*, Stuart Moran and Keiichi Nakata
- *Intention Recognition with Event Calculus Graphs*, Fariba Sadri

**Session B (10:20 – 12:00)**

- *Supporting Financial Decision Making by an Intelligent Agent Estimating Greed and Risk*, Tibor Bosse, Ghazanfar F. Siddiqui, and Jan Treur
- *Personalisation of Computational Models of Attention by Simulated Annealing Parameter Tuning*, Rianne van Lambalgen and Peter-Paul van Maanen
- *Ambient Intelligence at the Beach*, Marc Böhlen and Joe Atkinson
- *Workshop Closing Remarks*

## **Workshop on Service Intelligence and Engineering (SIE 2010)**

### **Workshop Organizers:**

- **Chi-hung Chi** (Tsinghua University, China)
- **Cherie Ding** (Ryerson University, Canada)
- **Bruce Spencer** (National Research Council, Canada)
- **Andreas Wombacher** (University of Twente)

**Location: TEL 0013**

### **Session A (8:35 – 10:00)**

- *Workshop Opening*
- *Enhancing the Performance of Metadata Service for Cloud Computing*, Myung Jin Hwang, Dae Gun Kim, and Hee Yong Youn
- *An Approach to Estimate Schema Quality of Web Service Composition*, Weihong Liu and Hongbing Wang
- *Homology Detection Based on Abstract Syntax Tree Combined Simple Semantics Analysis*, Shizhong Wu, Yongle Hao, Xinyu Gao, Baojiang Cui, and Ce Bian

### **Session B (10:20 – 12:00)**

- *Security Assurance with Metamorphic Testing and Genetic Algorithm*, Guowei Dong, Shizhong Wu, Guisi Wang, Tao Guo, and Yonggang Huang
- *Agent Evaluation Function Considering Airspace Dynamic Density*, Antonio Marcio Ferreira Crespo and Li Weigang
- *Workshop Closing Remarks*

## **The 3rd Workshop on Logics for Intelligent Agents and Multi-Agent Systems (WLIAMAS 2010)**

### **Workshop Organizers:**

- **Guido Governatori** (NICTA, Australia)
- **Chuchang Liu** (DSTO, Australia)
- **Mehmet A. Orgun** (Macquarie University, Australia)
- **Mark Reynolds** (University of Western Australia, Australia)
- **Antonino Rotolo** (University of Bologna, Italy)
- **Abdul Sattar** (Griffith University, Australia)
- **Leon van der Torre** (University of Luxembourg, Luxembourg)

**Location: TEL 0011**

**Session C (13:25 – 15:30)**

- *Workshop Opening*
- *Risk Analysis in Access Control Systems Based on Trust Theories*, Ji Ma, Luigi Logrippo, Kamel Adi, and Serge Mankovski
- *Multi-Agent Based Surveillance of Workflows*, Emmanuel Sardis, Vasilis Anagnostopoulos, and Theodora Varvarigou
- *Predictive Sub-Goal Analysis in a General Game Playing Agent*, Xinxin Sheng and David Thunte
- *Workshop Closing Remarks*

**The 3rd WI-IAT Doctoral Workshop  
(WI-IAT DW 2010)**

**Workshop Organizers:**

- **Marcin Szczuka**, (The University of Warsaw, Poland)  
**Xiaohui Tao**, (Queensland University of Technology, Australia)  
**Xiaohui Yu**, (York University, Canada)

**Location: TEL 0015**

**Session A (8:35 – 10:00)**

- *Workshop Opening*
- *Improving Human-Agent Conversations by Accessing Contextual Knowledge from Wikipedia*, Alexa Breuing
- *Constructing Collaborative Online Communities for Visualizing Spimes*, Timothy Maciag and Daryl Hepting

**Session B (10:20 – 12:00)**

- *Automatic Ontology Constructor for Indonesian Language*, Gloria Virginia and Nguyen Hung Son
- *Determining Relevant Product Information Sources*, Matthias Wauer
- *Utilization of Dynamic Reducts to Improve Performance of the Rule-Based Similarity Model for Highly-Dimensional Data*, Andrzej Janusz
- *Workshop Closing Remarks*