

# IEEE - ICTAI'10

Arras, October 27-29 2010

## Program

Registration is open all three days 8H00-17H00 (EGASS Building)

### October 27th

8H45-9H00	Welcome address	<i>Amphi Churchill</i>
9H00-10H00	Keynote Speaker 1: Patrick Taillibert (Thales Aerospace - AI Laboratory) <i>AI for Airborne Systems: Be Determined. Time has Arrived.</i>	<i>Amphi Churchill</i>
10H00-10H30	Coffee break	
10H30-12H00	Session 1 <i>Machine Learning and Classification Techniques I</i> Session 2 <i>Swarm Intelligence</i> Session 3 <i>Constraint Programming</i>	<i>Room S1</i> <i>Room S3</i> <i>Room S4</i>
12H00-13H30	Lunch	
13H30-15H00	Session 4 <i>Machine Learning and Classification Techniques II</i> Session 5 <i>Evolutionary Algorithms and Meta-Heuristics</i> Session 6 <i>AI in Software Engineering</i>	<i>Room S1</i> <i>Room S3</i> <i>Room S4</i>
15H00-15H30	Coffee break	
15H30-17H00	Session 7 (17H20) <i>Robotics, Image Processing and Understanding</i> Session 8 (17H20) <i>Logic-based Approaches</i> Session 9 <i>Data Mining</i>	<i>Room S1</i> <i>Room S3</i> <i>Room S4</i>
17H30-22H30	Visit of the Arras Boves, Cheese and Wine Tasting, Dinner	

### October 28th

8H30-10H00	Session 10 <i>SAT and Constraints Solving I</i> Session 11 <i>Uncertainty Handling</i> Session 12 <i>Natural Language Processing</i>	<i>Room S1</i> <i>Room S3</i> <i>Room S4</i>
10H00-10H30	Coffee break	
10H30-12H00	Session 13 <i>SAT and Constraints Solving II</i> Session 14 <i>Inconsistency Handling</i> Session 15 <i>Machine Learning and Classification Techniques III</i> Session 28 <i>Combinations of Intelligent Methods and Applications (CIMA 2010)</i>	<i>Room S1</i> <i>Room S3</i> <i>Room S4</i> <i>Room S5</i>
12H00-13H30	Lunch	
13H30-14H30	Keynote Speaker 2: Youssef Hamadi (Microsoft Research Cambridge) <i>An Overview of Parallel SAT solving</i>	<i>Amphi Churchill</i>
14H30-16H00	Session 16 <i>SAT and Constraints Solving III</i> Session 17 <i>Multiagents Systems</i> Session 18 <i>AI in Games and Commerce</i>	<i>Room S1</i> <i>Room S3</i> <i>Room S4</i>
14H30-17H00	CIMA Workshop	<i>Room S5</i>
16H00-16H30	Coffee break	
16H00-17H00	Poster session 1	
19H00-23H00	Banquet	

## October 29th

8H30-9H30	Keynote Speaker 3: Michèle Sebag (LRI) <i>Self-Driven Rewards for an Autonomous Robot: an Information Theoretic Approach</i>	<i>Amphi Churchill</i>
9H30-10H30	Session 19 <i>Search and Heuristics</i>	<i>Room S1</i>
	Session 20 <i>Neural Networks</i>	<i>Room S3</i>
	Session 29 <i>Data Warehousing and Knowledge Discovery from Sensors and Streams I</i>	<i>Room S5</i>
10H30-10H45	Coffee break	
10H45-12H15	Session 21 <i>Planning I</i>	<i>Room S1</i>
	Session 22 <i>Recommender Systems</i>	<i>Room S3</i>
	Session 23 <i>AI Systems</i>	<i>Room S4</i>
	Session 30 <i>Data Warehousing and Knowledge Discovery from Sensors and Streams II</i>	<i>Room S5</i>
12H15-13H30	Lunch	
13H30-15H00	Session 24 <i>Ontologies-Based Technologies</i>	<i>Room S1</i>
	Session 25 <i>Planning II</i>	<i>Room S3</i>
	Session 26 <i>Machine Learning and Classification Techniques IV</i>	<i>Room S4</i>
15H00-15H15	Coffee break	
15H15-17H00	Session 27 <i>Question-Answering, Context-Sensitive Rating, T-learning</i>	<i>Room S1</i>
	Poster session 2	

**Session 1. Machine Learning and Classification Techniques I**  
*Session Chair: Nahoiro Ishii*

Room S1

- 154 Hongbing Wang. *Web Service Classification using Support Vector Machine*
- 178 Milena R. P. Souza, George D. C. Cavalcanti and Ing Ren Tsang. *Off-line Signature Verification: an Approach Based on Combining Distances and One-Class Classifiers*
- 69 Viet-Vu Vu, Nicolas Labroche and Bernadette Bouchon-Meunier. *Active Learning for Semi-Supervised K-Means Clustering*

**Session 2. Swarm Intelligence**

*Session Chair: Lhassane Idoumghar*

Room S3

- 188 Agustin Antonissen and María Cristina Riff. *ACOVr: An Ants Based Approach for Generating Procedural Animation*
- 37 Katsunori Tawara and Naoto Mukai. *Traffic Signal Control by Using Traffic Congestion Prediction based on Pheromone Model*
- 28 Paulo R. Ferreira Jr. and Ana L. C. Bazzan. *Action Selection and Sequencing in Multiagent Systems: an Approximate Algorithm based on Swarm Intelligence*
- 102 Lhassane Idoumghar, Maha Idrissi Aouad, Mahmoud Melkemi and René Schott. *Metropolis Particle Swarm Optimization Algorithm with Mutation Operator For Global Optimization Problems*

**Session 3. Constraint Programming**

*Session Chair: Christophe Lecoutre*

Room S4

- 20 Matthieu Lopez, Arnaud Lallouet, Lionel Martin and Christel Vrain. *Constraint Learning Problem*
- 41 Alejandro Arbelaez, Youssef Hamadi and Michèle Sebag. *Continuous Search in Constraint Programming*
- 122 Lazaar Nadjib, Gotlieb Arnaud and Lebbah Yahia. *Fault Localization in Constraint Programs*
- 158 Jean-Marc Astesana, Laurent Cosserat and H el ene Fargier. *Constraint-Based Vehicle Configuration: a Case Study*

**Session 4. Machine Learning and Classification Techniques II**

*Session Chair: Mich ele Sebag*

Room S1

- 5 Raghvendra Mall, Prakhar Jain and Vikram Pudi. *PERFICT: Perturbed Frequent Itemset Based Classification Technique*
- 54 Nabila Nouaouria and Mounir Boukadoum. *Particle Swarm Classification for High Dimensional Data Sets*
- 16 Naohiro Ishii, Yuichi Morioka, Hiroaki Kimura and Yongguang Bao. *Classification by Multiple Reducts-kNN with Confidence*

**Session 5. Evolutionary Algorithms and Meta-Heuristics**

*Session Chair: S ebastien Tabary*

Room S3

- 9 Di Jin, Dongxiao He, Dayou Liu and Carlos Baquero. *Genetic Algorithm with Local Search for Community Mining in Complex Networks*
- 21 Pablo A. Sampaio, Geber Ramalho and Patricia Tedesco. *The Gravitational Strategy for the Timed Patrolling*
- 86 Una Benlic and Jin-Kao Hao. *An Effective Multilevel Memetic Algorithm for Balanced Graph Partitioning*
- 206 Gustavo Pinto and Silvia Vergilio. *A Multi-Objective Genetic Algorithm to Test Data Generation*

**Session 6. AI in Software Engineering**

Room S4

*Session Chair: Olivier Roussel*

- 217 Taghi Khoshgoftaar, Kehan Gao and Naeem Seliya. *Attribute Selection and Imbalanced Data: Problems in Software Defect Prediction*
- 155 Hongbing Wang. *Adaptive Service Composition Using Reinforcement Learning*
- 139 Mohammad Moshirpour, Abdolmajid Mousavi and Behrouz Far. *Automotive Detection of Emergent Behavior in Distributed Systems Using Scenario-Based Specifications*
- 34 Ricardo de Andrade Araújo, Adriano Lorena and Sergio Soares. *Hybrid Intelligent Design of Morphological-Rank-Linear Perceptrons for Software Development Cost Estimation*

**Session 7. Robotics, Image Processing and Understanding**

Room S1

*Session Chair: Nikolaos Bourbakis*

- 23 Congfu Xu, Yafang Chen and Kevin Chiew. *An Approach to Image Spam Filtering Based on Base64 Encoding and N-Gram Feature Extraction*
- 73 Juan F. Ramirez Rochac, Lily Liang, Byunggu Yu and Zhao Lu. *An Adaptive Fuzzy Classifier Approach to Edge Detection in Latent Fingerprint Images*
- 63 Sanaz Taleghani, Maziar Ahmad Sharbafi, Abolfazl Toraghi Haghighat and Edris Esmaeili. *ICE Matching, a Robust Mobile Robot Localization with Application to SLAM*
- 135 Emna Ayari, Samah Hadouaj and Khaled Ghedira. *A Multi-Agent Simulation Model Based on Fuzzy Logic to Predict Conflict Situations for Autonomous Robot Navigation*
- 87 Tianxia Gong, Shimiao Li and Chew Lim Tan. *A Semantic Similarity Language Model to Improve Automatic Image Annotation*

**Session 8. Logic-Based Approaches**

Room S3

*Session Chair: Philippe Besnard*

- 42 Claudette Cayrol, Caroline Devred and Marie-Christine Lagasquie. *Dialectical Proofs Accounting for Strength of Attacks in Argumentation Systems*
- 136 Farid Nouioua and Vincent Risch. *Bipolar Argumentation Framework with Specialized Supports*
- 197 Leila Amgoud and Srdjan Vesic. *On the Role of Preferences in Argumentation Frameworks*
- 2 Philippe Balbiani. *Coherence Test on Graphs Constraints Between Hyperintervals*
- 32 Daniel Goossens. *A Dynamic Boolean Knowledge Base*

**Session 9. Data Mining**

Room S4

*Session Chair: Du Zhang*

- 14 Ken-ichi Fukui, Kazuhisa Sato, Junichiro Mizusaki and Masayuki Numao. *Kullback-Leibler Divergence Based Kernel SOM for Visualization of Damage Process on Fuel Cells*
- 53 Fei Xie, Xindong Wu, Xuegang Hu, Jun Gao, Gongqing Wu and Yongming Huang. *Sequential Pattern Mining with Wildcards*
- 74 Peter Yeh and Colin Puri. *An Efficient and Robust Approach for Discovering Data Quality Rules*
- 175 Elio Masciari. *Lifting Trajectories for Effective Clustering*

**Session 10. SAT and Constraints Solving I**  
*Session Chair: Lakhdar Saïd*

Room S1

- 51 Philippe Jégou and Cyril Terrioux. *A New Filtering Based on Decomposition of Constraint Sub-Networks*
- 113 Richard J. Wallace and Diarmuid Grimes. *Problem-Structure vs. Solution-Based Methods for Solving Dynamic Constraint Satisfaction Problems*
- 132 Jeremie Vautard, Arnaud Lallouet and Youssef Hamadi. *A Parallel Solving Algorithm for Quantified Constraints Problems*
- 170 Deepak Mehta, Barry O'Sullivan and Luis Quesada. *Preferred Explanations for Quantified Constraint Satisfaction Problems*

**Session 11. Uncertainty Handling**  
*Session Chair: Henri Prade*

Room S3

- 7 Wei Chen and Shaohua Tan. *Robust Value-at-Risk Optimization with Interval Random Uncertainty Set*
- 44 Zied Elouedi, Eric Lefèvre and David Mercier. *Correction of a Belief Function Using a Confusion Matrix*
- 70 Jianbing Ma, Weiru Liu, Didier Dubois and Henri Prade. *Revision Rules in the Theory of Evidence*
- 81 Hua Mu, Meiping Wu, Hongxu Ma and Bailey Tim. *Lazy Probability Propagation on Continuous Gaussian Bayesian Networks*

**Session 12. Natural Language Processing**  
*Session Chair: Du Zhang*

Room S4

- 10 Ryohei Ageishi and Takao Miura. *Automatic Extraction of Synonyms Based On Statistical Machine Translation*
- 149 Chukfong Ho, Masrah Azrifah Azmi Murad, Rabiah Abdul Kadir and Shyamala C. Doraisamy. *Measuring Sentence Similarity from Both the Perspectives of Commonalities and Differences*
- 12 Asif Ekbal, Sriparna Saha and Md. Hasanuzzaman. *Feature Subset Selection for Named Entity Recognition Using Multiobjective Optimization*

**Session 13. SAT and Constraints Solving II**  
*Session Chair: Youssef Hamadi*

Room S1

- 126 Belaid Benhamou, Tarek Nabhani, Richard Ostrowski and Mohamed Réda Saidi. *Enhancing Clause Learning by Symmetry in SAT solvers*
- 179 Ruben Martins, Vasco Manquinho and Inês Lynce. *Improving Search Space Splitting for Parallel SAT Solving*
- 98 Chu-Min Li and Quan Zhe. *Combining Graph Structure Exploitation and Propositional Reasoning for the Maximum Clique Problem*
- 125 Pablo San Segundo and Cristobal Tapia. *A New Implicit Branching Strategy for Exact Maximum Clique*

**Session 14. Inconsistency Handling**

Room S3

*Session Chair: Du Zhang*

- 219 Anthony Hunter and Matthew Williams. *Argumentation for Aggregating Clinical Evidence*
- 220 Philippe Besnard. *Absurdity, Contradictions, and Logical Formalisms*
- 221 Du Zhang. *Toward A Classification of Antagonistic Manifestations of Knowledge*
- 222 Martin Gebser, Arne König, Torsten Schaub, Sven Thiele and Philippe Veber. *The BioASP Library: ASP Solutions for Systems Biology*

**Session 15. Machine Learning and Classification Techniques III**

Room S4

*Session Chair: Naohiro Ishii*

- 76 Sven Schneider, Arman Melkumyan, Richard J. Murphy and Eric Nettleton. *Gaussian Processes with OAD Covariance Function for Hyperspectral Data Classification*
- 190 Marios Ioannou, George Sakkas, Grigorios Tsoumakas and Ioannis Vlahavas. *Obtaining Bipartitions from Score Vectors for Multi-Label Classification*
- 160 Fotini Markatopoulou, Grigorios Tsoumakas and Ioannis Vlahavas. *Instance-Based Ensemble Pruning via Multi-Label Classification*
- 121 Marcelo Oliveira, Estefhan Wandekokem, Eduardo Mendel, Fábio Fabris, Flávio Varejão, Thomas Rauber and Rodrigo Batista. *A Comparison of Two Feature Based Ensemble Methods for Constructing Motor Pump Fault Diagnosis Classifiers*

**Session 16. SAT and Constraints Solving III**

Room S1

*Session Chair: Gilles Audemard*

- 200 Tarik Hadzic and Helmut Simonis. *Multicriteria Reasoning Considering Reliability or Availability*
- 165 Thierry Petit and Jean-Charles Régin. *The Ordered Distribute Constraint*
- 50 Radu Marinescu. *Best-First vs. Depth-First AND/OR Search for Multi-objective Constraint Optimization*
- 192 Mohsen Afsharchi, Elnaz Bigdeli and Maryam Ramaninia. *PKOPT: Faster k-Optimal Solution for DCOP by Improving Group Selection Strategy*

**Session 17. Multiagents Systems**

Room S3

*Session Chairs: François Charpillet and Vincent Thomas*

- 30 Sergio Esparcia, Roberto Centeno, Ramón Hermoso and Estefanía Argente. *Enhancing MAS Environments with Organizational Mechanisms*
- 97 Thomas Génin and Samir Aknine. *Coalition Formation Strategies for Multiagent Hedonic Games*
- 133 Sebastien Picant, Fabrice Bourge and Abdel-Ilhah Mouaddib. *Towards a Multi-Agent Platform for Automatic B2B exchanges*
- 19 Annabelle Mercier, Michel Occello and Jean-Paul Jamont. *Using Multiagent Self-Organization Techniques to Improve Dynamic Skill Searching in Virtual Social Communities*

**Session 18. AI in Games and Commerce**

Room S4

*Session Chair: Sylvain Lagrue*

- 56 Jianye Hao and Ho-fung Leung. *Strategy and Fairness in Repeated Two-Agent Interaction*
- 130 Florian Wisser. *Creating Possible Worlds Using Sims Tables for the Imperfect Information Card Game Schnapsen*
- 162 Shujuan Ji and Hofung Leung. *An Adaptive Predication-Regret Driven Strategy For Bilateral Bargaining*
- 68 Vanesa Herrera, Raul Miguel, Jose Jesus Castro and Carlos Gonzalez. *Using an Emotional Intelligent Agent to Support Customers' Searches Interactively in E-Marketplaces*

**Session 19. Search and Heuristics**

Room S1

*Session Chair: Cédric Piette*

- 214 Tristan Cazenave. *Partial Move A\**
- 58 Fadratul Hafinaz Hassan and Allan Tucker. *Using Cellular Automata Pedestrian Flow Statistics with Heuristic Search to Automatically Design Spatial Layout*
- 66 Youxi Wu, Xindong Wu, He Jiang and Fan Min. *A Nettee for Approximate Maximum Pattern Matching with Gaps and One-Off Constraint*

**Session 20. Neural Networks**

Room S3

*Session Chair: Nikolaos Bourbakis*

- 146 Rudy Setiono, Karel Dejaeger, Wouter Verbeke, David Martens and Bart Baesens. *Software Effort Prediction using Regression Rule Extraction from Neural Networks*
- 15 Rudy Setiono and Masahiro Tanaka. *Neural Network Rule Extraction and the LED Display Recognition Problem*
- 150 Nikolaos Bourbakis and Ming Yang. *H.264/AVC Intra-only Coding (iAVC) for Video Streaming over Wireless Networks Using Neural Networks*

**Session 21. Planning I**

Room S1

*Session Chair: Pierre Marquis*

- 31 Emmanuel Rachelson, Ala Ben Abbes and Sébastien Diemer. *Combining Mixed Integer Programming and Supervised Learning for Fast Re-planning*
- 39 Filip Dvorák and Roman Barták. *Integrating Time and Resources into Planning*

- 120 Lukas Chrupa. *Combining Learning Techniques for Classical Planning: Macro-operators and Entanglements*
- 199 Adnan Hashmi and Amal El Fallah Seghrouchni. *Merging of Temporal Plans Supported by Plan Repairing*

**Session 22. Recommender Systems**

Room S3

*Session Chair: Olivier Roussel*

- 59 Yi Cai, Ho-Fung Leung, Jie Tang and Juanzi Li. *TyCo: Towards Typicality-based Collaborative Filtering Recommendation*
- 91 Zunping Cheng and Neil Hurley. *Robust Collaborative Recommendation by Least Trimmed Squares Matrix Factorization*
- 145 Walid Trabelsi, Nic Wilson, Derek Bridge and Francesco Ricci. *Comparing Approaches to Preference Dominance for Conversational Recommenders*
- 172 Lara Quijano-Sanchez, Juan Recio-Garcia and Belen Diaz-Agudo. *Personality and Social Trust in Group Recommendations*

**Session 23. AI Systems**

Room S4

*Session Chair: Patrick Taillibert*

- 94 Nicolas Vidal, Patrick Taillibert and Samir Akinine. *Online Behavior Recognition: A New Grammar Model Linking Measurements and Intents*
- 215 Lorena Chavarria and Xiaou Li. *ECAPNVer: A Software Tool to Verify Active Rule Bases*
- 129 François Lévy, Adeline Nazarenko, Abdoulaye Guissé, Nouha Omrane and Sylvie Szulman. *An Environment for the Joint Management of Written Policies and Business Rules*
- 90 Martin Molina, Enrique Parodi and Amanda Stent. *Combining Text and Graphics for Interactive Exploration of Behavior Datasets*

**Session 24. Ontologies-Based Technologies**

Room S1

*Session Chair: Pierre Marquis*

- 36 Mohammed Maree and Mohammed Belkhatir. *A Coupled Statistical Semantic Framework for Merging Heterogeneous Domain-Specific Ontologies*
- 183 Mohamed Rouhane-Hacene, Schahrazed Fennouh, Roger Nkambou and Petko Valtchev. *Refactoring of Ontologies: Improving The Design of Ontological Models With Concept Analysis*
- 184 Sushain Pandit and Vasant Honavar. *Ontology-guided Extraction of Complex Nested Relationships*

**Session 25. Planning II**

Room S3

*Session Chair: Christophe Lecoutre*

- 72 Martin C. Cooper, Frédéric Maris and Pierre Régnier. *Compilation of a High-Level Temporal Planning Language into PDDL 2.1*
- 143 Stéphane Grandcolas and Cyril Pain-Barre. *Minimizing the Number of Actions in Parallel Planning*



- 174 Mauricio Araya-lópez, Olivier Buffet, Vincent Thomas and François Charpillat. *A Closer Look at MOMDPs*

**Session 26. Machine Learning and Classification Techniques IV**

Room S4

*Session Chair: Min-Ling Zhang*

- 46 Min-Ling Zhang. *A k-Nearest Neighbor Based Multi-Instance Multi-Label Learning Algorithm*
- 27 Neng-Fa Zhou, Yoshitaka Kameya and Taisuke Sato. *Mode-Directed Tabling for Dynamic Programming, Machine Learning, and Constraint Solving*
- 104 Nicola Greggio, Alexandre Bernardino, Cecilia Laschi, Paolo Dario and Jose Santos-Victor. *Unsupervised Greedy Learning of Gaussian Mixture Models By Means of a Binary Tree Decision Structure*
- 218 Christopher Fogelberg and Vasile Palade. *GreenSim: Comprehensively Validating and Evaluating New Machine Learning Techniques for Network Structural Inference*

**Session 27. Question-Answering, Context-Sensitive Rating, T-learning**

Room S1

*Session Chair: Stéphane Cardon*

- 89 Yajie Miao. *Improving Question Answering based on Query Expansion with Wikipedia*
- 195 Akira Takahashi, Atsuhiko Takasu and Jun Adachi. *Language Model Combination for Community-based Q&A Retrieval*
- 60 Lei Zhang and Chongjun Wang. *A Factor-Based Model for Context-Sensitive Skill Rating Systems*
- 173 Isabelle Hupont, David Abadía, Sandra Baldassarri, Eva Cerezo and Rafael Del-Hoyo. *Facial Affect Sensing for T-learning*

**Session 28. Combinations of Intelligent Methods and Applications (CIMA 2010)**

Room S5

*Session Chair: Ioannis Hatzilygeroudis*

- 223 Manolis Maragoudakis and Euripides Loukis. *Automated Aortic and Mitral Valves Diseases Diagnosis from Heart Sound Signals Using Novel Ensemble Classification Technique*
- 224 Efthymios Alepis, Ioanna-Ourania Stathopoulou, Maria Virvou, George Tsihrintzis and Katerina Kabassi. *Audio-Lingual and Visual-Facial Emotion Recognition: Towards a Bi-Modal Interaction System*
- 225 Douglas Vieira Gustavo Silva, Adriano Lisboa and Vasile Palade. *On a Multiobjective Training Algorithm for RBF Networks Using Particle Swarm Optimization*
- 226 Patricia Charlton and George Magoulas. *Combining Autonomic Computing and Ontologies to Enable a Context-aware Learning*

**Session 29. Data Warehousing and Knowledge Discovery from Sensors and Streams I**

Room S5

*Session Chair: Alfredo Cuzzocrea*

- 231 Latifur Khan, *Data Stream Mining: Challenges and Techniques (Invited Talk)*
- 227 Mohammad Salim Ahmed, Latifur Khan and Mandava Rajeswari, *Using Correlation Based Subspace Clustering For Multi-label Text Data Classification*

- 228 Mohamed Medhat Gaber, Shonali Krishnaswamy, Brett Gillick, Nicholas Nicoloudis, Jonathan Liono and Hasnain Al Taiar, *Adaptive Clutter-Aware Visualization for Mobile Data Stream Mining*

**Session 30. Data Warehousing and Knowledge Discovery from Sensors and Streams II Room S5**  
*Session Chair: Alfredo Cuzzocrea*

- 230 Georgios Chatzimilioudis, Alfredo Cuzzocrea and Dimitrios Gunopulos, *Optimizing Query Routing Trees in Wireless Sensor Networks*
- 229 Frederic Stahl, Mohamed Medhat Gaber, Max Bramer and Philip S. Yu, *Pocket Data Mining: Towards Collaborative Data Mining in Mobile Computing Environments*
- 232 Bogdan Pogorelc, *Discovery of Gait Anomalies from Motion Sensor Data*
- 233 Lucie Copin, Anne Laurent, Hervé Rey, Maguelonne Teisseire and Xavier Vasques, *Intelligent Energy Data Warehouses: What Challenges?*

**Poster Session 1**

- 40 Massimo Ruffolo, Ermelinda Oro and Francesco Riccetti. *ViQuEL: A Spatial Query Language for Presentation-Oriented Documents*
- 52 Antoine Veillard, Elvina Melissa, Cassandra Theodora, Daniel Racoceanu and Stéphane Bressan. *Support Vector Methods for Sentence Level Machine Translation Evaluation*
- 61 Lei Zhang and Chongjun Wang. *Multi-relational Topic Model for Social Recommendation*
- 101 Nicola Greggio, Alexandre Bernardino, Cecilia Laschi, Paolo Dario and Jose' Santos-Victor. *An Algorithm For The Least Square-Fitting of Ellipses*
- 115 Asif Ekbal, Sriparna Saha, Utpal Sikdar and Md. Hasanuzzaman. *A Genetic Approach for Biomedical Named Entity Recognition*
- 123 Diana Penciu, Marie-Hélène Abel and Didier Van Den Abeele. *Modelling and Architecture of a Workspace for Tacit*
- 128 Adeline Leblanc and Marie-Hélène Abel. *Knowledge Management and Sharing Support: The E-MEMORAe2.0 web platform*
- 189 Safa Yahy, Salem Benferhat and Tayeb Kenaza. *From Using Description Logics to Handling Inconsistency in Cooperative Intrusion Detection*

**Poster Session 2**

- 147 Armelle Brun, Ahmad Hamad, Olivier Buffet and Anne Boyer. *From "I like" to "I prefer" in Collaborative Filtering*
- 157 Jean-Paul Jamont and Michel Occello. *Using Hardware/Software Simulation to Design and to Deploy Real World Cooperative Systems*
- 167 Abdallah Dib, Cedric Rose and François Charpillet. *Bayesian 3D Human Motion Capture Using Factored Particle Filtering*
- 177 Cesar L. Pereira, George D. C. Cavalcanti and Ing Ren Tsang. *A New Heterogeneous Dissimilarity Measure for Data Classification*
- 182 Anderson Costa, Bruno Pimentel and Renata Souza. *K-means Clustering for Symbolic Interval Data based on Aggregated Kernel Functions*
- 186 Carlos A. C. M. Bastos, Ing Ren Tsang and George D. C. Cavalcanti. *Analysis of 2D log-Gabor Filters to Encode Iris Patterns*

- 193 Katia Lida Kermanidis. *Hiding Secret Information By Automatically Paraphrasing Modern Greek Text With Minimal Resources*