

Thursday morning, 15 September			
08:45			
09:00	Tutorial T4 Agents & Semantic Web	Tutorial T5 AOSE	Tutorial T6 SelfOrg
09:15			
09:30			
09:45			
10:00			
10:15			
10:30			
10:45	Coffee break		Coffee break
11:00			
11:15	Tutorial T4 Agents & Semantic Web	Tutorial T5 AOSE	Tutorial T6 SelfOrg
11:30			
11:45			
12:00			
12:15			
12:30			
12:45			
13:00			

AgentLink TF3:
 Coordinating Agent Standardisation Activities; Monique Calisti
 Programming Multi-Agent Systems; Mehdi Dastani
 Towards a Standard Agent-to-Agent Argumentation Interchange Format; Steven Willmott

- Agent Communication, Interaction Protocols and Mechanisms
- Agent Models and Architectures
- Agent Oriented Software Engineering, Modelling and Methodologies
- Coordination, Teamwork, Social Knowledge and Social Reasoning
- Formal Methods and Logic in MAS
- Learning and Evolution of MAS
- Personal Agents and Agent-Based User Interfaces
- Planning and Scheduling in MAS
- Scalability, Robustness and Performance Issues
- Self-Organising Systems in Emergent Organisations
- Trust, Reputation, Reliability, Security and Intrusion Detection
- Application Papers

Thursday afternoon, 15 September

14:00	CEEMAS 2005 Welcome Paolo Petta, Michal Pechoucek, Laszlo Varga, Magdolna Zsivnovszki	
14:15	Invited Paper Palpable Computing and the Role of Agent Technology; Giovanni Rimassa, Dominic Greenwood, and Monique Calisti	
14:30		
14:45		
15:00	The PASSI and Agile PASSI MAS Meta-Models Compared with a Unifying Proposal; Massimo Cossentino, Salvatore Gaglio, Luca Sabatucci, Valeria Seidita	The "Dance or Work" Problem: Why do not all Honeybees Dance with Maximum Intensity; Ronald Thenius, Thomas Schmickl, Karl Crailsheim
15:15		
15:30	The Synthesis Stage in the Software Agent Development Process; Fernando Alonso, Sonia Frutos, Loic Martínez, F. Javier Soriano	Cooperative Behavior of Agents Based on Potential Field; Takashi Katoh, Kensaku Hoshi, Norio Shiratori
15:45		
16:00	Coffee break	Coffee break
16:15		
16:30	Discovery of Crises via Agent-Based Simulation of a Transportation System; Edward Nawarecki, Jaroslaw Kozlak, Grzegorz Dobrowolski, Marek Kisiel-Dorohinicki	Towards an Institutional Environment using Norms for Contract Performance; Henrique Lopes Cardoso, Eugénio Oliveira
16:45		
17:00	What is Context and How can an Agent Learn to Find and Use It When Making Decisions; Oana Bucur, Philippe Beaune, Olivier Boissier	Policies for common awareness in organized settings; Ioannis Partsakoulakis and George Vouros
17:15		Arguing and Negotiating in the Presence of Social Influences; Nishan C. Karunatilake, Nicholas R. Jennings, Iyad Rahwan, and Timothy J. Norman
17:30	Roles and hierarchy in multi-agent organizations; Emmanuel Adam, René Mandiau	
17:45	A Direct Reputation Model for VO Formation; Arturo Avila-Rosas and Michael Luck	Cooperative Planning in the Supply Network - A Multiagent Organization Model; Péter Egri, József Váncza
18:00		
18:15	Bayesian Dynamic Trust Model; Dimitri Melaye and Yves Demazeau	Stochastic Reactive Production Scheduling by Multi-Agent Based Asynchronous Approximate Dynamic Programming; Balázs Csanád Csáji and László Monostori
18:30		
18:45	Managing Trust for Secure Active Networks; Jian-Jun Qi and Zeng-Zhi Li	
19:00	Welcome reception	

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 Environments for Multiagent Systems; Danny Weyns

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Formal Methods and Logic in MAS

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Application Papers

Friday morning, 16 September

08:45			AgentLink TF3: Coordinating Agent Standardisation Activities; Monique Calisti Multiagent Resource Allocation, Ulle Endriss Environments for Multiagent Systems; Danny Weyns
09:00	Gabor Tatai: Agent applications		
09:15			
09:30	Programming an Agent as Abstract State Machine; Grzegorz Dobrowolski	Agent-based Control of a Municipal Water System; Lucilla Giannetti, Francisco P. Maturana, and Frederick M. Diszenzo	
09:45			
10:00	Evaluating the feasibility of method engineering for the creation of agent-oriented methodologies; Brian Henderson-Sellers	Agent-based framework for simulation and support of Dynamic Engineering Design Processes in PSI; Vladimir Gorodetsky, Vadim Ermolayev, Wolf-Ekkehard Matzke, Eyck Jentzsch, Oleg Karsaev, Natalya Keberle, Vladimir Samoylov	
10:15			
10:30	Use Case and Actor Driven Requirements Engineering: An Evaluation of Modifications to Prometheus; Mikhail Pereplechikov and Lin Padgham	A Case Study of Agent-Based Virtual Enterprise Modelling; Mihaela Oprea	
10:45			
10:45	Simulating Automatic High Bay Warehouses Using Agents; Cornelia Triebig, Tanja Credner, Franziska Klügl, Peter Fischer, Titus Leskien, Andreas Deppisch, Stefan Landvogt		
11:00	Coffee break		
11:15			
11:30	A Multi-Agent Fuzzy-Reinforcement Learning Method For Continuous Domains; Erkan Duman, Mehmet Kaya and Erhan Akin	The Effect of Flag Introduction on the Explosion of Nogood Values in the Case of ABT Family Techniques; Ionel Muscalagiu	
11:45			
12:00	An adaptive approach for the exploration-exploitation dilemma for learning agents; Lilia Rejeb, Zahia Guessoum, Rym M'Hallah	How our beliefs contribute to interpret actions; Guillaume Aucher	
12:15			
12:30	Learning in a Multi-Agent Approach to a Fish Bank Game; Bartłomiej Sniezynski and Jaroslaw Kozlak	Toward a Formal Theory of Belief, Capability and Promise Incorporating Temporal Aspect; Xinyu Zhao, Shaofeng Fan, Runjie Zhang, Anbu Yue, Zuoquan Lin	
12:45	Modelling of Agents' Behavior with Semi-Collaborative Meta-Agents; Jan Tozicka, Filip Zelezny, Michal Pechoucek		
13:00			

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14:30	Multiagents Applied to Humanitarian Demining; Pedro Santana, José Barata and Luís Flores	Dialectical Theory for Multi-Agent Assumption-Based Planning; Damien Pellier, Humbert Fiorino	AgentLink TF3: Towards a Standard Agent-to-Agent Argumentation Interchange Format, Steven Willmott Multiagent Resource Allocation, Ulle Endriss Self-organisation in MAS, Giovanna Di Marzo Serungendo Agent-Oriented Software Engineering, Massimo Cossentino
14:45	Strategies for Distributed Underwater Survey; Milan Rollo, Petr Novák, Pavel Jisl		
15:00	Agent-based Management of Non-Urban Road Meteorological Incidents; Vicente Ramón Tomás López, Luís Amable García Fernández	How to keep plan execution healthy; Femke de Jonge, Nico Roos, and Jaap van den Herik	
15:15			
15:30	Virtual Games: A New Approach to Implementation of Social Choice Rules; Dániel László Kovács	Diagnosis of plans and agents; Nico Roos, Cees Witteveen	
15:45			
16:00	Coffee break	Coffee break	
16:15			
16:30	Goodness and Lacks of MAS Methodologies for Manufacturing Domains; S. Valero, E. Argente, A. Giret, V. Julian and V. Botti	Resource Coordination on MAS Multi-Plans Context; Weihua Yi, C.H. Zhang, Z. Liu, Xueguang Chen and Fuji Ren	
16:45	The Role of Ontologies in a Multi-Agent Based Data Integration System; Rahee Ghurbhurn, Philippe Beaune and Hugues Solignac	Complexity of Task Coordination for Non Cooperative Planning Agents; Adriaan ter Mors, Jeroen Valk and Cees Witteveen	
17:00	Architecture-Centric Development of an AGV transportation System; Danny Weyns, Kurt Schelfhout, Tom Holvoet	Building Agent-Based Systems in a Discrete-Event Simulation Environment; Botond Kádár, András Pfeiffer, László Monostori	
17:15	A Multi Agent Approach to Interest Profiling of Users; P.H.H. Rongen, J. Schröder, F.P.M. Dignum, J. Moorman	Using Negotiation Techniques as Time-Restricted Scheduling Policies on Intelligent Agents; Patricia Maldonado, Carlos Carrascosa, Vicente Botti	
17:30		Combining Rule-Based and Plug-in Components in Agents for Flexible Dynamic Negotiations; Costin Badica, Maria Ganzha, Marcin Paprzycki, and Amalia Pirvanescu	
17:45	A Multi-Agent System Architecture for the Adaptation of User Interfaces; Víctor López-Jaquero, Francisco Montero, José P. Molina, Pascual González, Antonio Fernández-Caballero	Group Interests of Agents Functioning in Changing Environments; Sarunas Raudys and Alvydas Pumputis	
18:00	vBroker: Artificial Agents Helping to Stock Up on Knowledge; Gábor Tatai, László Gulyás, László Laufer, Márton Iványi	Application of Multi-Agent Systems and Social Network Theory to Petrol Pricing on UK Motorways; Alison J. Heppenstall, Olga E. McFarland and Andrew J. Evans	
18:15		Agent-based Support for Open Communities; Lorenzo Lazzari, Marco Mari, Alessandro Negri, Agostino Poggi	
18:30	ACE agents - mass personalized software assistance; Jarogniew Rykowski	Situated Agents and the Web: Supporting Site Adaptivity; Stefania Bandini, Sara Manzoni, Giuseppe Vizzari	
18:45	Assisting Robotic Personal Agent and Cooperating Alternative Input Devices for Severely Disabled Children; Gy. Hévízi, B. Gerófi, B. Szendrő, András Lórinicz		
19:00			

Social event

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09:00	<p>Peter McBurney: AgentLink III and the Next Decade of Agent Technologies</p>		<p>AgentLink TF3: Self-organisation in MAS, Giovanna Di Marzo Serugendo Agent-Oriented Software Engineering, Massimo Cossentino</p>
09:15			
09:30	Agent Encapsulation in a Cognitive Vision MAS; Bernhard Jung, Paolo Petta	A Dynamic Joint Protocol Selection Method to Perform Collaborative Tasks; José Ghislain Quenum and Samir Aknine	
09:45			
10:00	Adaptive Mobile Multi-Agent Systems; Alexandru Suna, Amal El Fallah Seghrouchni	Chomsky: a Content Language Translation Agent; António Lopes, Luis Botelho	
10:15		An operational model for mutual awareness; Flavien Balbo, Julien Saunier, Suzanne Pinson, Mahdi Zargayouna	
10:30	SECMAP: A Secure Mobile Agent Platform; Suat Ugurlu, Nadia Erdogan	A Formal Framework for Interaction Protocol Engineering; Fernando Alonso, Sonia Frutos, Genoveva López, Javier Soriano	
10:45			
11:00	Coffee break	Coffee break	
11:15			
11:30	Patient driven mobile platform to enhance conventional wheelchair, with multiagent system supervisory control; A.B. Martínez, J. Escoda, T. Benedico, U. Cortés, R. Annicchiarico, C. Barrué	Towards a Conversational Language for Artificial Agents in Mixed Community; Alexandra Berger, Sylvie Pesty	
11:45			
12:00	Intelligent Virtual Environments for Training: An Agent-based Approach; Angelica de Antonio, Jaime Ramirez, Ricardo Imbert, and Gonzalo Mendez	Adversarial Behavior in Multi-Agent Systems; Martin Rehak, Michal Pechoucek, Jan Tozicka	
12:15			
12:30	Case-Based Student Modelling in a Multi-agent Learning Environment; Carolina González, Juan C. Burguillo and Martín Llamas	Behavior Evaluation with Actions' Sampling in Multi-Agent System; Krzysztof Cetnarowicz, Renata Ciłciwa, Gabriel Rojek	
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14:30	MAS Meta-models on Test: UML vs. OPM in the SODA Case Study; Ambra Molesini, Enrico Denti, Andrea Omicini	Selection in Scale-Free Small World; Zsolt Palotai, Csilla Farkas, András Lórinz	AgentLink TF3: Empty
14:45		Pareto-Q Learning Algorithm for Cooperative Agents in General-Sum Games; Meiping Song, Guochang Gu and Guoyin Zhang	
15:00	A Formal Modelling Framework for Developing Multi-agent Systems with Dynamic Structure and Behaviour; Petros Kefalas, Ioanna Stamatopoulou, Marian Gheorghe	A Model of Multi-agent System Based on Policies and Contracts; Beishui Liao, Ji Gao	
15:15			
15:30	Formalizing Compatibility and Substitutability of Role-based Interactions Components in Multi-agent Systems; Nabil Hameurlain	Towards an Authority Sharing Based on the Viewpoint Action Model; Abdenour Bouzouane	
15:45	Cancelled	Semantic and Virtual Agents in Adaptive Middleware Architecture for Smart Vehicle Space; Qing Wu, Zhaohui Wu	
16:00	Coffee break	Coffee break	
16:15			
16:30	Emergent Timetabling Organization; Gauthier Picard, Carole Bernon, and Marie-Pierre Gleizes	Performance Comparison of Multiagent Systems; Tomasz Babczyk«ski, Zofia Kruczkiewicz, Jan Magott	
16:45		Multiagent Resource Allocation in the Presence of Externalities; Paul E. Dunne	
17:00	Experiments in Emergent Programming using Self-organizing Multi-Agent Systems; Jean-Pierre Georgé, Marie-Pierre Gleizes		
17:15		On Communication in Solving Distributed Constraint Satisfaction Problems; Hyuckchul Jung, Milind Tambe	
17:30	A complexity based feature to support emergence in MAS; Joris Deguet, Yves Demazeau		
17:45	Adaptive Document Analysis with Planning; Csaba Dezsényi, Tadeusz Dobrowiecki, Tamás Mészáros	Towards Reliable Large-Scale Multi-Agent Systems; Zahia Guessoum, Nora Faci	
18:00	A Self-Configuring Agent-Based Document Indexing System; L. Peng, R. Collier, A. Mur, D. Lillis, F. Toolan, J. Dunnion		
18:15		Do Agents Make Model Checking Explode (Computationally)?; Wojciech Jamroga and Juergen Dix	
18:30			
18:45	Closing		
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