

## COMMA06 PROGRAMME

### Monday 11th September, 2006

- 08.15 - 09.00** **Registration**
- 09.00 - 09.15** Welcome and Opening Remarks
- 09.15 - 11.00** Argument in Agent Systems (Chair: Mike Wooldridge)
- 09.15 - 09.45** Towards Representing and Querying Arguments on the Semantic Web  
*I. Rahwan, P. V. Sakeer*
- 09.45 - 10.15** Building Agents that Plan and Argue in a Social Context  
*S. Wells, C. Reed, T. Norman, N. Jennings, D. Kalofonos, N. Karunatilake*
- 10.15-10.30** Argue tuProlog: A Lightweight Argumentation Engine for Agent Applications  
*D. Bryant, P. Krause, G. A. Vreeswijk*
- 10.30-11.00** An Application of Formal Argumentation: Fusing Bayes Nets in MAS  
*S. Nielsen, S. Parsons*
- 11.00-11.30** **Coffee**
- 11.30-13.00** Applications (Chair: Tom Gordon)
- 11.30-12.00** Value-Based Argumentation for Democratic Decision Support ~ *K. Atkinson*
- 12.00-12.30** Argument Based Machine Learning In A Medical Domain  
*J. Zabkar, M. Mozina, J. Videcnik, I. Bratko*
- 12.30-13.00** CBR and Argument Schemes for Collaborative Decision Making  
*P. Tolchinsky, S. Modgil, U. Cortes, M. Sanchez-Marre*
- 13.00 - 14.00** **Lunch**
- 14.00-16.00** Computational Properties of Argument (Chair: Francesca Toni)
- 14.00-14.30** Complexity Properties of Restricted Abstract Argument Systems ~ *P. E. Dunne*
- 14.30-15.00** Computing Preferred Extensions for Argumentation Systems with Sets of Attacking Arguments  
*S. Nielsen, S. Parsons*
- 15.00-15.30** An Algorithm To Compute All Minimally Grounded And Admissible Defence Sets In Argument Systems ~ *G. A. Vreeswijk*
- 15.30-16.00** Semi-Stable Semantics ~ *M. Caminada*
- 16.00-16.30** **Tea**
- 16.30-18.00** Argumentation Frameworks and Schemes I (Chair: Guillermo Simari)
- 16.30-17.00** Reasoning in Argumentation Frameworks Using Quantified Boolean Formulas  
*U. Egly, S. Woltran*
- 17.00-17.30** A Dialectic Procedure For Sceptical, Assumption-Based Argumentation  
*P. M. Dung, P. Mancarella, F. Toni*
- 17.30-18.00** Evaluation And Comparison Criteria For Extension-Based Argumentation Semantics  
*P. Baroni, M. Giacomin*
- 18.15** **Welcoming Drinks Reception** at the Piazza, Liverpool Metropolitan Cathedral

## Tuesday 12th September, 2006

- 09.00-11.00** Argumentation Tools (Chair: Henry Prakken)
- 09.00-09.30** Translating Wigmore Diagrams ~ *G. Rowe, C. Reed*
- 09.30-10.00** First Steps Towards Automatic Construction of Argument-Diagrams from Real Discussions  
*R. Rienks, D. Verbree, D. Heylen*
- 10.00-10.30** The Carneades Argumentation Framework ~ *T. Gordon, D. Walton*
- 10.30-11.00** Pierson vs. Post Revisited ~ *T. Gordon, D. Walton*
- 11.00-11.30** **Coffee**
- 11.30-13.00** Reasoning about Action (Chair: Katie Atkinson)
- 11.30-12.00** Argumentation and Persuasion in the Cognitive Coherence Theory  
*P. Pasquier, I. Rahwan, F. Dignum, L. Sonenberg*
- 12.00-12.30** Knowing When To Bargain ~ *S. Wells, C. Reed*
- 12.30-13.00** Justifying Actions By Accruing Arguments ~ *T. Bench-Capon, H. Prakken*
- 13.00 - 14.00** **Lunch**
- 14.00 - 16.00** Argumentation Frameworks and Schemes II (Chair: Chris Reed)
- 14.00-14.30** Handling controversial arguments in bipolar argumentation systems  
*M-C. Lagasquie-Schiex, C. Cayrol, C. Devred*
- 14.30-14.45** On Acceptability in Abstract Argumentation Frameworks with an Extended Defeat Relation  
*D. Martinez, A. Garcia, G. Simari*
- 14.45-15.15** Automating Argumentation for Deliberation in Cases of Conflict of Interest  
*A. Chorley, T. Bench-Capon, P. McBurney*
- 15.15-15.30** The Logic of Multiple-Valued Argumentation and its Applications to Web Technology  
*H. Sawamura, T. Wakaki, K. Nitta*
- 15.30-16.00** Value Based Argumentation in Hierarchical Argumentation Frameworks ~ *S. Modgil*
- 16.00-16.30** **Tea**
- 16.30-17.45** Dialogue and Decision (Chair: Sylvie Doutre)
- 16.30-17.00** Combining Sceptical Epistemic Reasoning With Credulous Practical Reasoning  
*H. Prakken*
- 17.00-17.15** Multi-Agent Agreements About Actions Through Argumentation ~ *P. Torroni*
- 17.15-17.45** Suspicion of Hidden Agenda in Persuasive Argument ~ *P.E. Dunne*
- 17.45-18.00** **Closing Remarks**