

W2 – ACAN Agent-based Complex Automated Negotiations (ACAN) plus ANAC competition

SESSION 1: COLLECTIVE INTELLIGENCE AND DECISION MAKING (Chair: Minjie Zhang)

- 09:00 Victor Sanchez-Anguix, Reyhan Aydogan, Vicente Julian and Catholijn Jonker
Analysis of Intra-Team Strategies for Teams Negotiating Against Competitor, Matchers, and Conceders
- 09:25 Enrique De La Hoz De La Hoz, Miguel A. Lopez-Carmona, Mark Klein and Iván Marsa Maestre
Hierarchical Clustering and Linguistic Mediation Rules for Multiagent Negotiation
- 09:50 Reyhan Aydogan, Koen Hindriks and Catholijn Jonker
Multilateral Mediated Negotiation Protocols with Feedback

SESSION 2: NEGOTIATION ARCHITECTURES AND PREFERENCES (Chair: Takayuki Ito)

- 10:50 Colin R. Williams, Valentin Robu, Enrico Gerding and Nick Jennings
Towards a Platform for Concurrent Negotiations in Complex Domains
- 11:15 Tim Baarslag, Koen Hindriks, Mark Hendrikx, Alex Dirkwager and Catholijn M. Jonker
Decoupling Negotiating Agents to Explore the Space of Negotiation Strategies
- 11:40 Fenghui Ren, Minjie Zhang and Quan Bai
Towards the Optimal Multi-Issue Negotiation by Considering Complex Negotiation Behaviors

INVITED TALK (Chair: Iván Marsá Maestre)

- 12:05 Prof Carles Sierra
Institute of Research on Artificial Intelligence of the Spanish National Research Council (CSIC)

13:00– 14:20 LUNCH BREAK

ANAC 2012 SPECIAL SESSION (Chair: Colin Williams)

- 14:20 Introduction: Competititon Setup and Methodology. Results of Qualifying Round
- 14:50 AgentLG: Luba Golosman
- 14:55 AgentMR: Morii Shouta
- 15:00 BRAMAgent2: Radmila Fishel, Maya Bercovitch
- 15:05 CUHKAgent: Jianye Hao, Ho-fung Leung
- 15:10 IAMhaggler2012: Colin R. Williams, Valentin Robu, Alex Dirkwager
- 15:15 Meta-Agent: Litan Ilany, Kobi Gal
- 15:20 OMACagent: Siqi Chen, Gerhard Weiss
- 15:25 TheNegotiator Reloaded: Mark Hendrikx, Alex Dirkwager
- 15:30 Results of Final Round and Presentation of Awards
- 15:50 Discussion of Future Directions of ANAC
- 16:00

SESSION 3: APPLICATIONS AND PREFERENCES (Chair: Valentin Robu)

- 16:30 Eunkyung Kim, Yu-Han Chang, Rajiv Maheswaran, Yu Ning and Luyan Chi
Adaptive Agents in Dynamic Games: Negotiating in Diverse Societies
- 16:55 Rafik Hadfi and Takayuki Ito
Application of the Maximum Entropy Principle to Preferences Merging: Case of Utility Functions with Infinite Outcomes
- 17:10 Khalid Mansour and Ryszard Kowalczyk
On Dynamic Negotiation Strategy for Concurrent Negotiation over Distinct Objects
- 17:25 Raiye Alemayehu and Takayuki Ito
Reducing The complexity of negotiations over interdependent issues
- 17:40 Ryo Kanamori, Nobuyasu Mizutani and Takayuki Ito
Agent-based Home Power Management Model considering the Instability of Renewable Energy
- 17:55 Takanobu Otsuka and Takayuki Ito
Distance and Reputation: Evaluating user reputations from Real Distance in Social Network