AAMAS 2007 POSTER PROGRAM

Wednesday, May 16

1:30 – 3:00  Poster Session 1 (88 posters)

Group a: Embodied Agents and Architectures
"What can I do with this?" - Finding Possible Interactions between Characters and Objects
  Pedro Sequeira, Marco Vala, and Ana Paiva
Aborting Tasks and Plans in BDI Agents
  John Thangarajah, James Harland, David Morley, and Neil Yorke-Smith
Evaluating a Conversation-Centered Interactive Drama
  Manish Mehta, Steven Dow, Michael Mateas, and Blair MacIntyre
Goals in the Context of BDI Plan Failure and Planning
  Sebastian Sardina and Lin Padgham
Automatic Annotation of Team Actions in Observations of Embodied Agents
  Linus Luotsinen, Hans Fernlund, and Ladislau Boloni
Agents that Remember Can Tell Stories: Integrating Autobiographic Memory into Emotional Agents
  Wan Ching Ho, João Dias, Rui Figueiredo, and Ana Paiva
EBDI: An Architecture for Emotional Agents
  Hong Jiang, Jose Vidal, and Michael Huhns
Extending Character-based Storytelling with Awareness and Feelings
  David Pizzi, Marc Cavazza, and Jean-Luc Lugrin
Approximate State Estimation in Multiagent Settings with Continuous or Large Discrete State Spaces
  Prashant Doshi
Dynamic Movement and Positioning of Embodied Agents in Multiparty Conversations
  Dusan Jan and David Traum

Group b: Argumentation, Negotiation, and Partially Cooperative Systems
Policy Recognition for Multi-Player Tactical Scenarios
  Gita Sukthankar and Katia Sycara
Meta-Level Coordination for Solving Negotiation Chains in Semi-Cooperative Multi-Agent Systems
  Xiaoqin Zhang and Victor Lesser
Emergence of Global Network Property based on Multi-agent Voting Model
  Kosuke Shinoda, Yutaka Matsumo, and Hideyuki Nakashima
Towards Self-Organizing Agent-based Resource Allocation in a Multi-Server Environment
  Tino Schlegel and Ryszard Kowalczyk
Dynamics of Contracts-Based Organizations: A Formal Approach Based on Institutions
  Yathiraj Udupi and Munindar Singh
Arguing for Gaining Access to Information
Sylvie Doutre, Peter McBurney, Laurent Perrussel, and Jean-Marc Thévenin
A unifying framework for multi-agent agreement problems
Kiran Lakkaraju and Les Gasser
Autonomous Nondeterministic Tour Guides: Improving Quality of Experience with TTD-MDPs
Andrew Cantino, David Roberts, and Charles Isbell
Strategic Delay in Bargaining
Pinata Winoto, Gordon McCalla, and Julita Vassileva
When Price Is Not Enough: Combining Logical and Numerical Issues in Bilateral Negotiation
Azzurra Ragone, Tommaso Di Noia, Eugenio Di Sciascio, and Francesco M. Donini

Group c: Communications, Conversations, and Commitments
Dynamic Semantics for Agent Communication Languages
Michael Rovatsos
Commitment and Extortion
Paul Harrenstein, Felix Brandt, and Felix Fischer
Enacting Protocols by Commitment Concession
Pinar Yolum and Munindar Singh
Temporal Linear Logic as a Basis for Flexible Agent Interactions
Duc Pham and James Harland
Choice and Interoperation in Protocol Enactment
Amit Chopra and Munindar Singh
Joint Conversation Specification and Compliance
Shamimabi Paurobally and Michael Wooldridge
Designing Protocols for Agent Institutions
Huib Aldewereld, Frank Dignum, and John-Jules Meyer
Deriving Agent-Centred Representations of Protocols Described Using Propositional Statecharts
Hywel Dunn-Davies and Jim Cunningham
Toward Verifying Commitment Protocols and their Compositions
Nirmit Desai, Zhengang Cheng, Amit Chopra, and Munindar Singh
Interactive Dynamic Influence Diagrams
Kyle Polich and Piotr Gmytrasiewicz
A Component Based Approach to Standardising Agent Communication
Frank Guerin and Wamberto Vasconcelos
Computing effective communication policies in multiagent systems
Doran Chakraborty and Sandip Sen

Group d: Multiagent Learning
Transfer via Inter-Task Mappings in Policy Search Reinforcement Learning
Matthew Taylor, Shimon Whiteson, and Peter Stone
Multiagent Reinforcement Learning and Self-Organization in a Network of Agents
Sherief Abdallah and Victor Lesser
SMILE: Sound Multiagent Incremental LEarning ;-) 
Gauvain Bourgne, Henry Soldano, and Amal El Fallah-Seghrouchni
Theoretical Advantages of Lenient Q-learners: An Evolutionary Game Theory Perspective
Liviu Panait and Karl Tuyls
Reducing the Complexity of Multiagent Reinforcement Learning
Andriy Burkov and Brahim Chaib-draa

Parallel Reinforcement Learning with Linear Function Approximation
Matthew Grounds and Daniel Kudenko

Multiagent Learning in Adaptive Dynamic Systems
Andriy Burkov and Brahim Chaib-draa

Regret Based Dynamics: Convergence in Weakly Acyclic Games
Jason Marden, Gurdal Arslan, and Jeff Shamma

Sharing Experiences to Learn User Characteristics in Dynamic Environments with Sparse Data
David Sarne and Barbara J. Grosz

Reinforcement Learning in Extensive Form Games with Incomplete Information: the Bargaining Case Study
Alessandro Lazaric, Enrique Munoz de Cote, Nicola Gatti, and Marcello Restelli

Group e: Applications and Computational Environments

A Reinforcement Learning Based Distributed Search Algorithm for Hierarchical Peer-to-Peer Information
Haizheng Zhang and Victor Lesser

Estimating Information Value in Collaborative Multi-Agent Planning Systems
David Sarne and Barbara J. Grosz

Information Searching and Sharing in Large-Scale Dynamic Networks
George A. Vouros

Modeling the Provenance of Data in Autonomous Systems
Simon Miles, Steve Munroe, Michael Luck, and Luc Moreau

A Methodology for 3D Electronic Institutions
Anton Bogdanovych, Marc Esteva, Simeon Simoff, Carles Sierra, and Helmut Berger

An Advanced Bidding Agent for Advertisement Selection on Public Displays
Alex Rogers, Esther David, Terry Payne, and Nick Jennings

An Incentive Mechanism for Message Relaying in Unstructured Peer-to-Peer Systems
Cuihong Li, Bin Yu, and Katia Sycara

Bidding Optimally in Concurrent Second-Price Auctions of Perfectly Substitutable Goods
Enrico Gerding, Rajdeep Dash, David Yuen, and Nick Jennings

Overlay Networks for Task Allocation and Coordination in Dynamic Large-Scale Networks of Cooperative Agents
Christina Theocaropoulou, Ioannis Partsakoulakis, George A. Vouros, and Konstantinos Stergiou

Collaboration among a Satellite Swarm
Grégory Bonnet and Catherine Tessier

Solving Large TAEMS Problems Efficiently by Selective Exploration and Decomposition
Jianhui Wu and Edmund Durfee

Group f: Cognitive Models for Agents

Cognitive and Social Simulation of Criminal Behavior
Tibor Bosse, Charlotte Gerritsen, and Jan Treur
Interactions between Market Barriers and Communication Networks in Marketing Systems
  Ian Durbach and Jan Hofmeyr
Realistic Cognitive Load Modeling for Enhancing Shared Mental Models in Human-Agent Collaboration
  Xiaocong Fan and John Yen
A Computational Model of Human Interaction and Planning for Heterogeneous Multi-Agent Systems
  Alexandre Pauchet, Nathalie Chaignaud, Amal El Fallah-Seghrouchni
Forming and Scaffolding Human Coalitions with a Multiagent Framework
  Leen-Kiat Soh, Nobel Khandaker
Multiagent Based Construction for Human-like Architecture
  Yifeng ZENG, Dennis Plougman Buus, Jorge Cordero Hernandez

Group g: Mechanism Design
Coalition Formation under Uncertainty: Bargaining Equilibria and the Bayesian Core Stability Concept
  Georgios Chalkiadakis, Evangelos Markakis, and Craig Boutilier
Eliciting Single-Peaked Preferences Using Comparison Queries
  Vincent Conitzer
On the Robustness of Preference Aggregation in Noisy Environments
  Ariel Procaccia, Jeffrey Rosenschein, and Gal Kaminka
Requirement Driven Agent Collaboration based on Automated Mechanism Design
  Liwei Zheng and Zhi Jin
Constraint Satisfaction Algorithms for Graphical Games
  Vishal Soni, Satinder Singh, and Michael Wellman
Factoring Games to Isolate Strategic Interactions
  George Davis, Michael Benisch, Kathleen Carley, and Norman Sadeh
Sequential Decision Making in Parallel Two-Sided Economic Search
  David Sarne and Teijo Arponen

Group h: Cooperation, Coordination, and Teamwork
Determining Confidence When Integrating Contributions from Multiple Agents
  Raphen Becker and Dan Corkill
Exploiting Factored Representations for Decentralized Execution in Multi-agent Teams
  Maayan Roth, Reid Simmons, Manuela Veloso
Towards Collaborative Task & Team Maintenance
  Gal Kaminka, Ari Yakir, Dan Erusalimchik, and Nirom Cohen-Nov
Agent Coordination by Trade-off between Locally Diffusion Effects and Socially Structural Influences
  Yichuan Jiang, Jiuchuan Jiang, and Toru Ishida
Provisioning Heterogeneous and Unreliable Providers for Service Workflows
  Sebastian Stein, Nick Jennings, and Terry Payne
The effect of task and environment factors on M.A.S. coordination and reorganization
  Mattijs Ghijsen, Wouter Jansweijer, and Bob Wielinga
ARTS: Agent-oriented Robust Transactional System
  Mingzhong Wang, Amy Unruh, and Ramamohanarao Kotagiri
Distributed Management of Flexible Times Schedules
Stephen Smith, Anthony Gallagher, Terry Zimmerman, Laura Barbulescu, and Zack Rubinstein
Commitment-Driven Distributed Joint Policy Search
Stefan Witwicki and Edmund Durfee
Distributed Task Allocation in Social Networks
Mathijs de Weerdt, Yingqian Zhang, and Tomas Klos
Towards a Logical Theory of Coordination and Joint Ability
Hojjat Ghaderi, Hector Levesque, and Yves Lesperance
Implementing the Maximum of Monotone Algorithms
Liad Blumrosen

Group i: Formal Models of Agency
An Adversarial Environment Model for Bounded Rational Agents in Zero-Sum Interactions
Inon Zuckerman, Sarit Kraus, Jeffrey Rosenschein, and Gal Kaminka
Incentive Compatible Ranking Systems
Alon Altman and Moshe Tennenholtz
Reasoning about Judgment and Preference Aggregation
Thomas Ågotnes, Wiebe van der Hoek, and Michael Wooldridge
Programming and Simulation of Quantum Search Agents
Matthias Klusch and René Schubotz
A Quantified Epistemic Logic for Reasoning about Multi-Agent Systems
Francesco Belardinelli and Alessio Lomuscio
A General Framework for Reasoning about Rational Agents
Wojtek Jamroga and Nils Bulling

Group j: Societal Aspects
A Formal Road from Institutional Norms to Organizational Structures
Davide Grossi, Frank Dignum, and John-Jules Meyer
Distributed Norm Management in Regulated Multi-Agent Systems
Dorian Gaertner, Andres García-Camino, Pablo Noriega, Juan Antonio Rodriguez-Aguilar, and Wamberto Vasconcelos
Resolving Conflict and Inconsistency in Norm-Regulated Virtual Organizations
Wamberto Vasconcelos, Martin Kollingbaum, and Timothy Norman
Friends No More: Norm Enforcement in Multi-Agent Systems
Adrian Perreau de Pinninck, Carles Sierra, and Marco Schorlemmer
Thursday, May 17

1:30 – 3:00 Poster Session 2 (92 posters)

Group a: Multiagent Learning
- A Framework for Agent-Based Distributed Machine Learning and Data Mining
  Jan Tozicka, Michael Rovatsos, and Michal Pechoucek
- Automatic Feature Extraction for Autonomous General Game Playing Agents
  David Kaiser
- Batch Reinforcement Learning in a Complex Domain
  Shivaram Kalyanakrishnan and Peter Stone
- Model-Based Function Approximation in Reinforcement Learning
  Nicholas Jong and Peter Stone
- Aggregation in multi-agent systems and the problem of truth-tracking
  Pigozzi Gabriella and Stephan Hartmann
- Adapting in Agent-Based Markets: A Study from TAC SCM
  David Pardoe and Peter Stone
- Reinforcement Learning with Utility-aware Agents for Market-based Resource Allocation
  Eduardo Gomes and Ryszard R. Kowalczyk
- Towards Reinforcement Learning Representation Transfer
  Matthew Taylor and Peter Stone

Group b: Auctions and Electronic Markets
- A Winner Determination Algorithm for Auction-Based Decentralized Scheduling
  Chun Wang, Hamada Ghenniwa, and Weiming Shen
- Bidding Algorithms for a Distributed Combinatorial Auction
  Benito Mendoza and Jose Vidal
- Outperforming the Competition in Multi-Unit Sealed Bid Auctions
  Ioannis Vetsikas and Nick Jennings
- Winner Determination for Mixed Multi-unit Combinatorial Auctions via Petri Nets
  Andrea Giovannucci, Juan Antonio Rodriguez-Aguilar, Jesus Cerquides, and Ulle Endriss
- Average-Case Tractability of Manipulation in Elections via the Fraction of Manipulators
  Ariel Procaccia and Jeffrey Rosenschein
- Marked-Driven Agents with Uncertain and Dynamic Outside Options
  Fenghui Ren, Kwang Mong Sim, and Minjie Zhang
- Infinitesimal Nash Transfers for Resource Allocation in Strong Social Alliances
  Paul-Amaury Matt and Francesca Toni
- An Incentive Mechanism for Eliciting Fair Ratings of Sellers in E-Marketplaces
  Jie Zhang and Robin Cohen
- A Service-Oriented Marketplace approach for Next Generation Service Infrastructures
  Donna Griffin and Dirk Pesch
Online Auctions for Bidders with Interdependent Values
Florin Constantin, Takayuki Ito, and David Parkes

Group c: Distributed Constraint Processing
A Complete Distributed Constraint Optimization Method for Non-Traditional Pseudotree Arrangements
James Atlas and Keith Decker
Optimal On-line Scheduling in Stochastic Multi-Agent Systems in Continuous Space and Time
Wim Wiegerinck, Bart van den Broek, and Hilbert Kappen
Robust Coordination to Sustain Throughput of an Unstable Agent Network
Rajesh Gautam and Kazuo Miyashita
Sequential Resource Allocation in Multi-agent Systems with Uncertainties
Jianhui Wu and Edmund Durfee
Periodic Real-Time Resource Allocation for Teams of Progressive Processing Agents
dibangoye gilless, Mouaddib Abdel-Illah, and Brahim Chaib-draa
Reciprocal Negotiation Over Shared Resources in Agent Societies
Sabyasachi Saha and Sandip Sen
Unifying Distributed Constraint Algorithms in a BDI Negotiation Framework
Bao Chau Le Dinh and Kiam Tian Seow
Matrix-Based Representation for Coordination Fault Detection: A Formal Approach
Meir Kalech, Michael Lindner, and Gal Kaminka
Distributed Constraint Propagation for Diagnosis of Faults in Physical Processes
Ana Bazzan and Bruno Silva

Group d: Multiagent Planning
Distributed Path Planning for Mobile Robots using a Swarm of Interacting Reinforcement Learners
Christopher Vigorito
Dynamics Based Control with an Application to Area-Sweeping Problems
Zinovi Rabinovich, Jeffrey Rosenschein, and Gal Kaminka
Graph-Based Multi-agent Replanning Algorithm
Jian Feng Zhang, Xuan Thang Nguyen, and Ryszard Kowalczyk
Towards a Formal Framework for Multi-Objective Multi-Agent Planning
Mouaddib Abdel-Illah, Boussard Matthieu, and Bouzid Maroua
Knowledge and Observations in the Situation Calculus
Ryan Kelly and Adrian Pearce
Conflict Estimation of Abstract Plans for Multi-Agent Systems
Toshiharu Sugawara, Satoshi Kurihara, Toshio Hirotsu, Kensuke Fukuda, and Toshihiro Takada
Diagnosis of plan step errors and plan structure violations
Nico Roos, Cees Witteveen, Adriaan ter Mors, and Xiaoyu Mao
Integrating Motivation with Planning
Alexandra Coddington

Group e: Environments and Implementation Techniques
Implementing Commitment-Based Interactions
Michael Winikoff
Normative System Games
   Thomas Ågotnes, Wiebe van der Hoek, and Michael Wooldridge
Operational Semantics of Multiagent Interactions
   Juan Manuel Serrano and Sergio Saugar
Modular Interpreted Systems
   Thomas Ågotnes and Wojtek Jamroga
A Platform for Massive Agent-based Simulation and its Evaluation
   Gaku Yamamoto, Hideki Tai, and Hideyuki Mizuta
The IRM4S model: the Influence/Reaction principle for multiagent based simulation
   Fabien Michel
A WSA-Based Architecture for Building Multi-Agent Systems
   Aluizio Haendchen Filho, Hércules do Prado, and Carlos J. P. de Lucena
Mass Programmed Agents for Simulating Human Strategies in Large Scale Systems
   Michal Chalamish, David Sarne, and Sarit Kraus
Breaking into industry: tool support for multiagent systems
   Simon Lynch and Keerthi Rajendran
Deterministic Nonlinear Modeling of Ant Algorithm with Logistic Multi-Agent System
   Rodolphe Charrier, François Charpillet, and Christine Bourjot
Practical Extensions in Agent Programming Languages
   Mehdi Dastani, Dirk Hobo, and John-Jules Meyer
Predictive Fault Tolerance in Multi-Agent Systems: a Plan-Based Replication Approach
   Alessandro Almeida, Samir Aknine, Jean-Pierre Briot, and Jacques Malenfant
Filters for Semantic Service Composition in Service-oriented Multiagent Systems
   Alberto Fernández and Sascha Ossowski
Towards Reflective Mobile Agents for Resource-Constrained Mobile Devices
   Conor Muldoon, Gregory O'Hare, and John Bradley
Prediction Horizons in Polyagent Models
   Van Parunak, Ted Belding, and Sven Brueckner
Towards Simulating Billions of Agents in Thousands of Seconds
   I. V. Aprameya Rao, Manish Jain, and Kamalakar Karlapalem
Building Small-Worlds in Unstructured p2p Networks Using a Multi-Agent Bayesian Inference Mechanism
   Prithviraj Dasgupta

Group f: Formal Models of Agency
A Temporal Epistemic Logic with a Reset Operation
   Alessio Lomuscio and Bozena Wozna
Agents, Beliefs, and Plausible Behavior in a Temporal Setting
   Nils Bulling and Wojtek Jamroga
A Grounded Specification Language for Agent Programs
   Mehdi Dastani, M. Birna van Riemsdijk, and John-Jules Meyer
Contextual Deliberation of Cognitive Agents in Defeasible Logic
   Guido Governatori, Mehdi Dastani, Antonino Rotolo, Insu Song, and Leendert van der Torre
A Design Framework for Generating BDI-agents from Goal Models
Loris Penserini, Anna Perini, Angelo Susi, Mirko Morandini, and John Mylopoulos
The A&A Approach for Developing Cognitive MAS: Conceptual Framework and Prototyping Technologies
Alessandro Ricci, Mirko Viroli, and Andrea Omicini
From Desires to Intentions through Dialectical Analysis
Nicolás Rotstein, Alejandro García, and Guillermo Simari
Convergence and Rate of Convergence of a Simple Ant Model
Amine Boumaza and Bruno Scherrer
Delegation and Mental States
Emiliano Lorini, Nicolas Troquard, Andreas Herzig, and Cristiano Castelfranchi
Model-Based Belief Merging without Distance Measures
Verónica Borja and Pilar Pozos

Group g: Argumentation and Negotiation
A Multilateral Multi-Issue Negotiation Protocol
Miniar Hemaissia, Amal El Fallah-Seghrouchni, Christophe Labreuche, and Juliette Mattioli
Approximate and Online Multi-Issue Negotiation
Shaheen Fatima, Michael Wooldridge, and Nick Jennings
A Randomized Method for the Shapley Value for the Voting Game
Shaheen Fatima, Michael Wooldridge, and Nick Jennings
A Unified and General Framework for Argumentation-Based Negotiation
Leila Amgoud, Yannis Dimopoulos, and Pavlos Moraitis
Learning and Joint Deliberation through Argumentation in Multi-Agent Systems
Santiago Ontanon and Enric Plaza
Arguing and Explaining Classifications
Leila Amgoud and Mathieu Serrurier
Searching for Joint Gains in Automated Negotiations Based on Multi-Criteria Decision Making Theory
Bao Vo and Lin Padgham

Group h: Social Aspects
Dynamically Learning Sources of Trust Information: Experience vs. Reputation
Karen Fullam and K. Suzanne Barber
Rumors and Reputation: Evaluating Multi-Dimensional Trust within a Decentralized Reputation System
Steven Reece, Alex Rogers, Stephen Roberts, and Nick Jennings
Presumptive Selection of Trust Evidence
Pierpaolo Dondio and Stephen Barrett
Agent-based Model of Impact of Socioeconomic Stressors: A DYNAMIC Network Perspective
Shah Jamal Alam, Ruth Meyer, and Emma Norling
Reducing the complexity of logics for multiagent systems
Marcin Dziubinski, Rineke Verbrugge, and Barbara Keplicz
A Model of a Trust-Based Recommendation System on a Social Network
Frank Walter, Stefano Battiston, and Frank Schweitzer
Strategy Recommender Agents (ALEX)-The Methodology
Ronald Ruiz Ordoñez, Josep Lluís de la Rosa I Esteva, and Javier Guzman-Obando

InterPol: A Policy Framework for Managing Trust and Privacy in Referral Networks

Yathiraj Udupi and Munindar Singh

SSDPOP: Improving the Privacy of DCOP with Secret Sharing

Rachel Greenstadt, Michael Smith, and Barbara J. Grosz

Towards Provably Secure Trust and Reputation Systems in E-Marketplaces

Reid Kerr and Robin Cohen

Mechanisms for Norm Emergence in Multi-Agent Societies

Bastin Tony Roy Savarimuthu, Maryam Purvis, Stephen Cranefield, and Martin Purvis

Social Comparison in Crowds: A Short Report

Gal Kaminka and Natalie Fridman

Socially Embedded Multi Agent Based Simulation of Financial Market

Kiyoshi Izumi, Hiroki Matsui, and Yutaka Matsuo

Robust Methods for Tracking Intelligent Agents Playing in an Artificial Financial Market

Nachi Gupta, Raphael Hauser, and Neil Johnson

Preservation of Obligations in a Temporal and Deontic Framework

Jan Broersen and Julien Brunel

Integrating Authority, Deontics, and Communications within a Joint Intention Framework

Marcus Huber, Sanjeev Kumar, David McGee, and Sean Lisse

Making Social Choices from Individuals’ CP-nets

Keith Purrington and Edmund Durfee

Reputation in the Joint Venture Game

Philip Hendrix and Barbara J. Grosz

Group i: Applications and Computational Environments

An Efficient Heuristic Approach for Security against Multiple Adversaries

Praveen Paruchuri, Jonathan Pearce, Milind Tambe, Fernando Ordonez, and Sarit Kraus

An Agent-Based Approach for Privacy-Preserving Recommender Systems

Richard Cissee and Sahin Albayrak

On the Benefits of Cheating by Self-Interested Agents in Vehicular Networks

Raz Lin, Sarit Kraus, and Yuval Shavitt

Physics Inspired Multiagent Model for Vehicle Platooning

Jean-Michel Contet, Franck Gechter, Pablo Gruer, and Abder Koukam

Towards Valuation-Aware Agent-Based Traffic Control

Heiko Schepperle, Klemens Böhm, and Simone Forster
Friday, May 18

1:30 – 3:00  Poster Session 3 (75 posters)

**Group a: Perceptual and Embedded Agents**
- **IFSA: Incremental Feature-Set Augmentation**
  Mazda Ahmadi, Matthew Taylor, and Peter Stone
- On Discovery and Learning of PSR Models for Agents with Continuous Actions and Observations
  David Wingate and Satinder Singh
- Speeding Up Moving-Target Search
  Sven Koenig, Maxim Likhachev, and Xiaoxun Sun
- Towards Using Multiple Cues for Robust Object Recognition
  Sarah Aboutalib and Manuela Veloso

**Group b: Mechanism Design and Game Theory**
- A Computational Characterization of Multiagent Games with Fallacious Rewards
  Ariel Procaccia and Jeffrey Rosenschein
- A Near-Optimal Strategy for a Heads-Up No-Limit Texas Hold'em Poker Tournament
  Peter Bro Miltersen and Troels Bjerre Sørensen
- Better Automated Abstraction Techniques for Imperfect Information Games, with Application to Texas HoldEm
  Andrew Gilpin and Tuomas Sandholm
- Empirical Game-Theoretic Analysis of the TAC Supply Chain Game
  Patrick Jordan, Christopher Kiekintveld, and Michael Wellman
- An Adaptive Strategy for Minority Games
  Ka-man Lam and Ho-fung Leung
- Routing Games with an Unknown Set of Active Players
  Ashlagi Itai, Monderer Dov, and Moshe Tennenholtz
- Requirement Driven Agent Collaboration based on Automated Mechanism Design
  Liwei Zheng and Zhi Jin
- Coalition Structure Generation with Worst Case Guarantees Based on Cardinality Structure
  She-Xiong Su, Shan-Li Hu, and Chun-Yi Shi
- Approval Voting: Local Search Heuristics and Approximation Algorithms for the Minimax Solution
  Rob LeGrand, Evangelos Markakis, and Aranyak Mehta

**Group c: Cooperative Distributed Problem Solving**
- A Globally Optimal Algorithm for TTD-MDPs
  Sooraj Bhat, David Roberts, Mark Nelson, Charles Isbell, and Michael Mateas
- A Q-Decomposition and Bounded RTDP Approach to Resource Allocation
  Plamondon Pierrick, Brahim Chaib-draa, and Abder Rezak Benaskeur
Combinatorial Resource Scheduling for Multiagent MDPs
  Dmitri Dolgov, Michael James, and Michael Samples
Organizational Self-Design in Semi-dynamic Environments
  Sachin Kamboj and Keith Decker
DisLRP\(\alpha\): \(\alpha\)-approximation in Generalized Mutual Assignment
  Katsutoshi Hirayama
A Swarm Based Approximated Algorithm to the Extended Generalized Assignment Problem (E-GAP)
  Paulo Ferreira Jr., Felipe Boffo, and Ana Bazzan
A Statistical Decision-Making Model for Choosing between Multiple Alternatives
  Shulamit Reches, Shavit Talman, and Sarit Kraus
Dynamic Task Allocation within an Open Service-Oriented MAS Architecture
  Ivan Jureta, Stephane Faulkner, Youssef Achbany, and Marco Saerens
Managing the Pedigree and Quality of Information in Dynamic Information Sharing Environments
  Bin Yu, Srikanth Kallurkar, Ganesh Vaidyanathan, and Donald Steiner
Understanding Decentralised Control of Resource Allocation in a Minimal Multi-Agent System
  Mariusz Jacyno, Seth Bullock, Michael Luck, and Terry Payne
Developing MAS with Automatic Agent Generation and Dynamic Task Allocation Mechanisms
  Xiaoqin Zhang, Haiping Xu, and Bhavesh Shrestha
Building coalitions Involving Agents and Humans: Reports from Agent-Based Participatory Simulations
  Paul Guyot and Shinichi Honiden
Multi-task Overlapping Coalition Parallel Formation Algorithm
  Chao-feng Lin and Shan-Li Hu
Agents that Collude to Evade Taxes
  Luis Antunes, Joao Balsa, and Helder Coelho
Achieving Cooperation among Selfish Agents in the Air Traffic Management Domain using Signed Money
  Geert Jonker, Frank Dignum, and John-Jules Meyer
An Event-Driven Approach for Agent-Based Business Process Enactment
  Payal Chakravarty and Munindar Singh
Executing Multi-Robot Cases through a Single Coordinator
  Raquel Ros and Manuela Veloso
Distributed Coordination in Uncertain Multiagent Systems
  Rajiv Maheswaran, Craig Rogers, Romeo Sanchez, and Pedro Szekely
On Agent Based Quantum Matchmaking
  Matthias Klusch

Group d: Multiagent Planning
Graphical Models for Online Solutions to Interactive POMDPs
  Prashant Doshi, Yifeng Zeng, and Qiongyu Chen
Letting Loose a SPIDER on a Network of POMDPs: Generating Quality Guaranteed Policies
  Pradeep Varakantham, Janusz Marecki, Milind Tambe, and Makoto Yokoo
On Opportunistic Techniques for Solving Decentralized MDPs with Temporal Constraints
  Janusz Marecki and Milind Tambe
Q-value Functions for Decentralized POMDPs
   Frans Oliehoek and Nikos Vlassis
Utility-Based Plan Recognition: An Extended Abstract
   Dorit Avrahami-Zilberbrand and Gal Kaminka
Planning and Defeasible Reasoning
   Diego García, Alejandro García, and Guillermo Simari
Distributed Intrusion Detection in Partially Observable Markov Decision Processes
   Doran Chakraborty and Sandip Sen
Subjective Approximate Solutions for Decentralized POMDPs
   Anton Chechetka and Katia Sycara
Modeling Plan Coordination in Multiagent Decision Processes
   Ping Xuan

Group e: Ontologies
   A Formal Model for Situated Semantic Alignment
      Manuel Atencia and Marco Schorlemmer
   A Multi-Agent System for Building Dynamic Ontologies
      Kévin Ottens, Marie-Pierre Gleizes, and Pierre Glize
   Argumentation over Ontology Correspondences in MAS
      Loredana Laera, Ian Blacoe, Valentina Tamma, Terry Payne, Jérôme Euzenat, and Trevor Bench-Capon
   Learning Consumer Preferences Using Semantic Similarity
      Reyhan Aydogan and Pinar Yolum
   Cooperative Evolution of Service Ontologies
      Murat Sensoy and Pinar Yolum
   An Ontology-Based Approach to Interoperability for Bayesian Agents
      Elder Santos, Moser Fagundes, and Rosa Vicari
   Models: An Experience on ART Testbed
      Anarosa Brandão, Laurent Vercouter, Sara Casare, and Jaime Sichman

Group f: Agent Learning, Evolution, and Emergent Behavior
   Using Priorities to Simplify Behavior Coordination
      Brent Eskridge and Dean Hougen
   Advice Taking in Multiagent Reinforcement Learning
      Michael Rovatsos and Alexandros Belesiotis
   Confidence-Based Policy Learning from Demonstration Using Gaussian Mixture Models
      Sonia Chernova and Manuela Veloso
   Forecasting Market Prices in a Supply Chain Game
      Christopher Kiekintveld, Jason Miller, Patrick Jordan, and Michael Wellman
   Conditional Random Fields for Activity Recognition
      Douglas Vail, Manuela Veloso, and John Lafferty
   Effective Tag Mechanisms for Evolving Coordination
      Sandip Sen and Matt Matlock
   Self-Organizing Social and Spatial Networks under What-if Scenarios
      Il-Chul Moon and Kathleen Carley

Group g: Argumentation and Negotiation
   Children in the Forest: towards a canonical problem of spatio-temporal collaboration
Yi Luo and Ladislau Boloni
Hypotheses Refinement under Topological Communication Constraints
Gauvain Bourgne, Gael Hette, Nicolas Maudet, and Suzanne Pinson
On the Relevance of Utterances in Formal Inter-agent Dialogues
Simon Parsons, Peter McBurney, Elizabeth Sklar, and Michael Wooldridge
A Generative Inquiry Dialogue System
Elizabeth Black and Anthony Hunter
Negotiation by Abduction and Relaxation
Chiaki Sakama and Katsumi Inoue
The LOGIC Negotiation Model
Carlos Sierra and John Debenham
Multi-Agent Information System Using Mobile Agent Negotiation Based on a
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