

CONFERENCE PROGRAM

Tuesday, May 15

Registration 8:00 a.m. – 2:00 p.m. and 5:00 p.m. – 7:00 p.m. at Hawaii Convention Center

6:00 p.m. – 8:00 p.m. AAMAS Reception

Welcome to AAMAS 2007!

→ Location: Ala Halawai (Main Concourse) at Hawaii Convention Center

Wednesday, May 16

Registration 7:30 a.m. – 5:00 p.m. at Hawaii Convention Center

8:45 a.m. – 10:00 a.m. Opening Session

Overview of AAMAS 2007

→ Location: Room 311 (KAUA'I) HCC

Edmund Durfee and Makoto Yokoo, General Chairs

Michael Huhns and Onn Shehory, Program chairs

Keynote Talk 1

→ Location: Room 311 (KAUA'I) HCC

Session chair: Onn Shehory

**Using Agents and Autonomic Computing to Build Next Generation
Seamless Mobility Services**

Dr. John Strassner, Motorola

10:00 a.m. – 10:30 a.m. Break

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

**10:00 a.m. – 4:00 p.m. Agent Reputation and Trust (ART) Testbed
Competition**

→ Location: Room 303B HCC

10:30 a.m. – 12:00 p.m. Paper Sessions

Track 1a: Embodied Agents and Architectures

→ Location: Room 313A HCC

Session chair: Lewis Johnson

"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

Goals in the Context of BDI Plan Failure and Planning

Sebastian Sardina and Lin Padgham

Evaluating a Conversation-Centered Interactive Drama

Manish Mehta, Steven Dow, Michael Mateas, and Blair MacIntyre

Track 2a: Partially Cooperative Multiagent Systems

→ Location: Room 313B HCC

Session chair: Michael Luck

Meta-Level Coordination for Solving Negotiation Chains in Semi-Cooperative Multi-Agent Systems

Xiaoqin Zhang and Victor Lesser

Policy Recognition for Multi-Player Tactical Scenarios

Gita Sukthankar and Katia Sycara

Emergence of Global Network Property based on Multi-agent Voting Model

Kosuke Shinoda, Yutaka Matsuo, and Hideyuki Nakashima

Towards Self-Organizing Agent-based Resource Allocation in a Multi-Server Environment

Tino Schlegel and Ryszard Kowalczyk

Track 3a: Communications and Commitments

→ Location: Room 313C HCC

Session chair: Rafael Bordini

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

Track 4a: Multiagent Learning

→ Location: Room 301A/B HCC

Session chair: Vincent Conitzer

Transfer via Inter-Task Mappings in Policy Search Reinforcement Learning

Matthew Taylor, Shimon Whiteson, and Peter Stone

SMILE: Sound Multiagent Incremental LEarning ;-)

Gauvain Bourgne, Henry Soldano, and Amal El Fallah-Seghrouchni
Multiagent Reinforcement Learning and Self-Organization in a Network of Agents

Sherief Abdallah and Victor Lesser

Theoretical Advantages of Lenient Q-learners: An Evolutionary Game Theory Perspective

Liviu Panait and Karl Tuyls

Track 5a: Applications and Computational Environments

→ Location: Room 312 (NI'HAU) HCC

Session chair: Lin Padgham

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

12:00 p.m. – 1:30 p.m. Lunch

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

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

1:30 p.m. – 3:00 p.m. p.m. Demonstration Session 1 (5 demos)

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

3:00 p.m. – 4:00 p.m. Paper Sessions

Track 1b: Cognitive Models for Agents

→ Location: Room 313A HCC

Session chair: Catholijn Jonker

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

Track 2b: Mechanism Design

→ Location: Room 313B HCC

Session chair: Peter Stone

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

Track 3b: Cooperation, Coordination, and Teamwork

→ Location: Room 313C HCC

Session chair: Matthias Klusch

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 Eruslimchik, and Nirrom Cohen-Nov

Track 4b: Multiagent Learning

→ Location: Room 301A/B HCC

Session chair: José Vidal

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

Track 5b: Applications and Computational Environments

→ Location: Room 312 (NIIHAU) HCC

Session chair: Liz Sonenberg

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

Industrial Track 6b: Resource Allocation

→ Location: Room 317A/B (KAHO`OLAWA) HCC

Session chair:

Demand Side Management in District Heating Systems

Fredrik Wernstedt, Paul Davidsson, and Christian Johansson

MAGENTA Technology: Case Studies of Magenta i-Scheduler for Road Transportation

Petr Skobelev, Andrey Glaschenko, Ilya Grachev, and Sergey Inozemtsev
Intelligent Agent Framework for Order Entry and Management
Thuc Duong Nguyen and Simon Thompson

4:00 p.m. – 4:30 p.m. Break

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

4:30 p.m. – 5:30 p.m. Paper Sessions

Track 1c: Formal Models of Agency

→ Location: Room 313A HCC

Session chair: Munindar Singh

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

Track 2c: Mechanism Design

→ Location: Room 313B HCC

Session chair: Nick Jennings

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

Track 3c: Cooperation, Coordination, and Teamwork

→ Location: Room 313C HCC

Session chair: Klaus Fischer

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 Weerd, Yingqian Zhang, and Tomas Klos

Track 4c: Societal Aspects

→ Location: Room 301A/B HCC

Session chair: Paolo Giorgini

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 Garcia-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

Track 5c: Applications and Computational Environments

→ Location: Room 312 (NI'HAU) HCC

Session chair: Manolis Koubarakis

Collaboration among a Satellite Swarm

Grégory Bonnet and Catherine Tessier

Overlay Networks for Task Allocation and Coordination in Dynamic Large-Scale Networks of Cooperative Agents

Christina Theodoropoulou, Ioannis Partsakoulakis, George A. Vouros, and Konstantinos Stergiou

Solving Large TAEMS Problems Efficiently by Selective Exploration and Decomposition

Jianhui Wu and Edmund Durfee

Industrial Track 6c: e-Commerce, e-Government

→ Location: Room 317A/B (KAHO'OLAWA) HCC

Session chair:

Web Services Negotiation in an Insurance Grid

Shamimabi Paurobally, Valentina Tamma, Michael Wooldridge, Chris Van Aart, and Peter van Hapert

The IEEE FIPA Approach to Integrating Software Agents and Web Services

Dominic Greenwood, Margaret Lyell, Ashok Mallya, and Hiroki Suguri

Multi-Agent System of Samara Region Social Services based on Social Passports and Smart Cards of Citizens

Vladimir Vittikh, Elena Gritsenko, Oleg Surnin, Petr Skobelev, Denis Volhoncev, Maxim Karavaev, Mihail Shamashov, and Alexander Tsarev

5:30 p.m. – 7:00 p.m. Open

7:00 p.m. – 10:00 p.m. Banquet (Luau) and Presentation of Awards

→ Location: Ala Moana Hotel, Hibiscus Ballroom and Foyer

IFAAMAS Victor Lesser Distinguished Dissertation Award

AAMAS 2007 Best Paper Award
AAMAS 2007 Best Student Paper Award (Sponsored by Springer Inc.)
AAMAS 2007 Influential Paper Awards
AAMAS 2007 Best Paper Award (Industry Track)
AAMAS 2007 Best Demonstration Awards

Thursday, May 17

Registration 7:30 a.m. – 2:00 p.m. at Hawaii Convention Center

9:00 a.m. – 10:00 a.m. Invited Talk 2

→ Location: Room 311 (KAUA'I) HCC

Session chair: Onn Shehory

Multiagent Systems for Autonomic Computing

Dr. Jeffrey A. Kephart, IBM

10:00 a.m. – 10:30 a.m. Break

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

10:00 a.m. – 4:00 p.m. Agent Reputation and Trust (ART) Testbed Competition (cont.)

→ Location: Room 303B HCC

10:30 a.m. – 12:00 p.m. Paper Sessions

Track 1d: Learning

→ Location: Room 313A HCC

Session chair: Dan Corkill

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

A Framework for Agent-Based Distributed Machine Learning and Data Mining

Jan Tozicka, Michael Rovatsos, and Michal Pechoucek

Track 2d: Auctions and Electronic Markets

→ Location: Room 313B HCC

Session chair: Michael Wellman

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 José 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

Track 3d: Distributed Constraint Processing

→ Location: Room 313C HCC

Session chair: Toru Ishida

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

Track 4d: Multiagent Planning

→ Location: Room 301A/B HCC

Session chair: Sven Koenig

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-Ilah, Boussard Matthieu, and Bouzid Maroua

Track 5d: Environments and Implementation Techniques

→ Location: Room 312 (NI'HAU) HCC

Session chair: Federico Bergenti

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

Industrial Track 6d: Defense

→ Location: Room 317A/B (KAHO'OLAWÉ) HCC

Session chair:

Real-Time Evolutionary Agent Characterization and Prediction
H. Van Dyke Parunak, Sven Brueckner, Robert Matthews, John Sauter, and Steve Brophy

A Multiagent System of Evidential Reasoning for Intelligence Analyses
Eric Lindahl, Stephen O'Hara, and Qiuming Zhu

Auction-based Multirobot Task Allocation in COMSTAR
Matthew Hoeing, Prithviraj Dasgupta, and Plamen Petrov

The Human Agent Virtual Environment
Michael Papsimeon, Clint Heinze, and Simon Goss

12:00 p.m. – 1:30 p.m. Lunch and AAMAS Community Meeting

12:30 p.m. – 1:30 p.m. Agent Reputation and Trust (ART) Testbed Competition Wrap-Up Discussion

→ Location: Room 303B HCC

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

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

1:30 p.m. – 3:00 p.m. Demonstration Session 2 (6 demos)

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

3:00 p.m. – 4:00 p.m. Panel Sessions

Panel 1: The Challenge of Organizational Computing

→ Location: Room 311 (KAUA'I) HCC

Panelists

Moderator: Prof. Carl Hewitt
MIT EECS (Emeritus)

Pablo Noriega
IIIA-CSIC Institut d'Investigació en Intelligència Artificial

Munindar Singh
North Carolina State University

Liz Sonenberg
University of Melbourne

Hiroki Suguri
Communication Technologies (Comtec), Japan

Panel 2: Industrial Track Panel

→ Location: Room 317A/B (KAHO`OLAWÉ) HCC

Panelists

Dr. John Strassner

Motorola Fellow and Vice President, Autonomic Research Motorola Labs

Jonathan Dale

Quantum Leap Innovations

Van Parunak

New Vectors LLC

Bradley Clement

NASA

Simon Thompson

BT Labs

4:00 p.m. – 4:30 p.m. Break

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

4:30 p.m. – 5:30 p.m. Paper Sessions

Track 1e: Formal Models of Agency

→ Location: Room 313A HCC

Session chair: Wiebe van der Hoek

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

Track 2e: Argumentation and Negotiation

→ Location: Room 313B HCC

Session chair: José Vidal

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

Track 3e: Cooperation, Coordination, and Teamwork

→ Location: Room 313C HCC

Session chair: Thomas Wagner

Searching for Joint Gains in Automated Negotiations Based on Multi-Criteria Decision Making Theory

Bao Vo and Lin Padgham

Matrix-Based Representation for Coordination Fault Detection: A Formal Approach

Meir Kalech, Michael Lindner, and Gal Kaminka

Unifying Distributed Constraint Algorithms in a BDI Negotiation Framework

Bao Chau Le Dinh and Kiam Tian Seow

Track 4e: Trust and Reputation

→ Location: Room 301A/B HCC

Session chair: Sandip Sen

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

Track 5e: Applications and Computational Environments

→ Location: Room 312 (NI'HAU) HCC

Session chair: Stephen Smith

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 Cisse and Sahin Albayrak

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

Raz Lin, Sarit Kraus, and Yuval Shavitt

Track 6e: Argumentation and Negotiation

→ Location: Room 317A/B (KAHO'OLAWÉ) HCC

Session chair: Gerhard Weiss

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

5:30 p.m. – 6:30 p.m. Invited Talk by ACM/SIGART Autonomous Agents Research Award Winner

→ Location: Room 311 (KAUA'I) HCC

Session chair: Michael Huhns

Automated Negotiation in Open Environments
Prof. Sarit Kraus, Bar Ilan University

Friday, May 18

Registration 8:00 a.m. – 12:00 p.m. at Hawaii Convention Center

9:00 a.m. – 10:00 a.m. Invited Talk 3

→ Location: Room 311 (KAUA'I) HCC

Session chair: Onn Shehory

Robots Are Agents, Too!

Dr. Gal Kaminka, Bar Ilan University

10:00 a.m. – 10:30 a.m. Break

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

10:30 a.m. – 12:00 p.m. Paper Sessions

Track 1f: Perceptual and Embedded Agents

→ Location: Room 313A HCC

Session chair: Kagan Tumer

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

Track 2f: Mechanism Design and Game Theory

→ Location: Room 313B HCC

Session chair: Tuomas Sandholm

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

Track 3f: Cooperative Distributed Problem Solving

→ Location: Room 313C HCC

Session chair: Chengqi Zhang

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

Track 4f: Multiagent Planning

→ Location: Room 301A/B HCC

Session chair: Michael Winikoff

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

Track 5f: Ontologies

→ Location: Room 312 (NI'HAU) HCC

Session chair: Andrew Williams

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

Reyhaneh Aydogan and Pinar Yolum

12:00 p.m. – 1:30 p.m. Lunch

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

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC

3:00 p.m. – 4:00 p.m. Paper Sessions

Track 1g: Agent Learning, Evolution, and Adaptation

→ Location: Room 313A HCC

Session chair: Van Parunak

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

Track 2g: Argumentation and Negotiation

→ Location: Room 313B HCC

Session chair: Michael Wooldridge

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

Track 3g: Argumentation and Negotiation

→ Location: Room 313C HCC

Session chair: Alessio Lomuscio

A Generative Inquiry Dialogue System

Elizabeth Black and Anthony Hunter

Negotiation by Abduction and Relaxation

Chiaki Sakama and Katsumi Inoue

The LOGIC Negotiation Model

Carles Sierra and John Debenham

Track 4g: Emergent Behavior

→ Location: Room 301A/B HCC

Session chair: Franco Zambonelli

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

Invited Talk by Winner of IFAAMAS Victor Lesser Distinguished Dissertation Award

Vincent Conitzer

Track 5g: Applications and Computational Environments

→ Location: Room 312 (NĪ'ĪHAU) HCC

Session chair: Joerg Müller

Computing the Banzhaf Power Index in Network Flow Games

Yoram Bachrach and Jeffrey Rosenschein

Distributed Agent-Based Air Traffic Flow Management

Kagan Tumer and Adrian Agogino

Scaling-Up Shopbots – a Dynamic Allocation-Based Approach

David Sarne, Sarit Kraus, and Takayuki Ito

4:00 p.m. – 4:30 p.m. Closing Session

→ Location: Room 311 (KAUA'I) HCC

Edmund Durfee and Makoto Yokoo, AAMAS 2007 General Chairs

Michael Huhns and Onn Shehory, AAMAS 2007 Program chairs

Jörg Müller and Simon Parsons, AAMAS 2008 General Chairs

Lin Padgham and David Parkes, AAMAS 2008 Program chairs

4:30 p.m. – 5:30 p.m. Break and Celebration!

→ Location: 306 A/B (PALOLO) and Charlot Courtyard HCC