

ICAPS'03 Program Schedule

Wednesday, June 11	
08.55 – 09.00	Welcome Address
09.00 – 10.00	Invited Talk: Subbarao Kambhampati: 1001 Ways to Skin a Planning Graph for Heuristic Fun and Profit (abstract) Session Chair: Enrico Giunchiglia
10.00	Coffee Break
10.30 – 12.30	Session: Methods for Planning and Scheduling Session Chair: Dan Weld
10.30	Automated Planning and Scheduling using Calculus of Variations in Discrete Space <i>Yixin Chen, Benjamin W. Wah</i>
11.00	Labeled RTDP: Improving the Convergence of Real-Time Dynamic Programming <i>Blai Bonet, Hector Geffner</i>
11.30	Branching Matters: Alternative Branching in Graphplan <i>Jorg Hoffmann, Hector Geffner</i>
12.00	Symmetry reduction for SAT representations of transition systems <i>Jussi Rintanen</i>
12.30 – 14.00	Lunch
14.00 – 15.30	Session: Temporal Planning Session Chair: Hector Geffner
14.00	Improving Temporal Flexibility of Position Constrained Metric Temporal Plans <i>Minh B. Do, Subbarao Kambhampati</i>
14.30	Exploiting a Graphplan Framework in Temporal Planning <i>Derek Long, Maria Fox</i>
15.00	Local Search Techniques for Temporal Planning in LPG <i>Alfonso Gerevini, Ivan Serina, Alessandro Saetti, Sergio Spinoni</i>
15.30	Coffee Break
16.00 – 18.00	Session: Acquisition of Domain and Control Knowledge Session Chair: Susanne Biundo
16.00	Localizing Planning with Functional Process Models <i>J. William Murdock, Ashok K. Goel</i>
16.30	Learning Rules for Adaptive Planning <i>Dimitris Vrakas, Grigorios Tsoumakas, Nick Bassiliades, Ioannis Vlahavas</i>
17.00	GIPO II: HTN Planning in a Tool-supported Knowledge Engineering Environment <i>T. L. McCluskey, D. Liu, R. M. Simpson</i>
17.30	GPT Meets PSR <i>Blai Bonet, Sylvie Thiebaux</i>
18.00 – 19.30	System Demo / Doctoral Consortium Presentation

Thursday, June 12	
09.00 – 10.00	Invited Talk: Malik Ghallab: Plan-Based Robot Control (<i>abstract</i>) Session Chair: Nicola Muscettola
10.00	Coffee Break
10.30 – 12.30	Session: Planning and Control Session Chair: Paolo Traverso
10.30	Synthesis of Hierarchical Finite-State Controllers for POMDPs <i>Eric A. Hansen, Rong Zhou</i>
11.00	Guided Symbolic Universal Planning <i>Rune M. Jensen, Manuela M. Veloso, Randal E. Bryant</i>
11.30	Decision-Theoretic Group Elevator Scheduling <i>Daniel Nikovski, Matthew Brand</i>
12.00	Reasoning about Autonomous Processes in an Estimated-Regression Planner <i>Drew McDermott</i>
12.30 – 14.00	Lunch
14.00 – 15.30	Session: Planning and the WEB Session Chair: Craig Knoblock
14.00	The Role of Planning in Grid Computing <i>Jim Blythe, Ewa Deelman, Yolanda Gil, Carl Kesselman, Amit Agarwal, Gaurang Mehta</i>
14.30	Recommendation as a Stochastic Sequential Decision Problem <i>Ronen Brafman, David Heckerman, Guy Shani</i>
15.00	Planning for Marketing Campaigns <i>Qiang Yang, Hong Cheng</i>
15.30 – 16.00	Coffee Break
16.00 – 18.00	Session: Sensing, Uncertainty and Incomplete Information Session Chair: Sven Koenig
16.00	Expressive Equivalence of Formalisms for Planning with Sensing <i>Jussi Rintanen</i>
16.30	A Framework for Planning in Continuous-time Stochastic Domains <i>Hakan L. S. Younes, David J. Musliner, Reid G. Simmons</i>
17.00	Conformant Probabilistic Planning via CSPs <i>Nathanael Hyafil, Fahiem Bacchus</i>
17.30	A Framework for Planning with Extended Goals under Partial Observability <i>Piergiorgio Bertoli, Alessandro Cimatti, Marco Pistore, Paolo Traverso</i>
18.00 – 19.00	
19.00 – 21.00	Social Dinner

Friday, June 13	
09.00 – 10.00	Invited Talk: Douglas Smith: Automated Synthesis of High-Performance Planners and Schedulers (abstract) Session Chair: Dana Nau
10.00	Coffee Break
10.30 – 12.30	Session: Planning and Scheduling Systems and Applications Session Chair: Amedeo Cesta
10.30	SOFIA's Choice: Scheduling Observations for an Airborne Observatory <i>Jeremy Frank, Elif Kurklu</i>
11.00	A Multi-Agent System-driven AI Planning Approach to Biological Pathway Discovery <i>Salim Khan, William Gillis, Carl Schmidt, Keith Decker</i>
11.30	A Mixed-initiative Framework for Robust Plan Sketching <i>Karen L. Myers, Peter A. Jarvis, W. Mabry Tyson, Michael J. Wolverson</i>
12.00	ICAPS Open Business Meeting
12.30 – 14.30	Lunch
14.30 – 15.30	Panel: Ubiquitous planning: difficulties and techniques to overcome them Session Chair: Nicola Muscettola
15.30 – 16.00	Coffee Break
16.00 – 18.00	Session: Scheduling Session Chair: David Smith
16.00	Vehicle Routing and Job Shop Scheduling: What's the difference? <i>J. Christopher Beck, Patrick Prosser, Evgeny Selensky</i>
16.30	Quality and Utility – Towards a Generalization of Deadline and Anytime Scheduling <i>Thomas Schwarzfischer</i>
17.00	Optimal Rectangle Packing: Initial Results <i>Richard E. Korf</i>
17.30	Economically Augmented Job Shop Scheduling <i>Wolfram Conen</i>