

ICAPS 2004 Call for Papers



ICAPS is the premier forum for researchers and practitioners in automated planning and scheduling. This annual conference resulted from merging two bi-annual conferences, namely the International Conference on Artificial Intelligence Planning and Scheduling (AIPS) and the European Conference on Planning (ECP). Its topics include planning and scheduling theory, algorithms, and applications to areas such as manufacturing, space systems, disaster relief, software engineering, robotics, logistics, education, crisis response, and entertainment. Paper submissions are solicited on all aspects of planning and scheduling, including but not limited to:

- ? anytime planning and scheduling
- ? applications of planning and scheduling
- ? case-based planning
- ? constraint reasoning for planning and scheduling
- ? decision-theoretic planning and scheduling
- ? deductive planning
- ? distributed and multi-agent planning and scheduling
- ? domain-independent classical planning
- ? domain analysis and knowledge acquisition for planning and scheduling
- ? dynamic scheduling
- ? heuristic search-based planning
- ? knowledge engineering techniques for planning and scheduling
- ? mixed-initiative planning and scheduling
- ? model-theoretic approaches to planning
- ? planning and complexity
- ? planning and execution
- ? planning and learning
- ? planning and perception
- ? planning and reasoning about actions
- ? planning and scheduling under uncertainty
- ? planning and scheduling with complex domain models
- ? planning and scheduling with complex objectives
- ? planning with hierarchical task networks
- ? planning with resources
- ? planning, scheduling, and new information technology
- ? plan validation and verification
- ? reactive planning
- ? real-time planning and scheduling
- ? re-planning
- ? robot planning
- ? scalability in planning and scheduling

- ? search
- ? software development tools for planning and scheduling
- ? plan recognition
- ? planning and user interaction
- ? methodologies and tools for specification, design, implementation, or
- ? validation of planning systems
- ? philosophical foundations of action selection
- ? lessons learned from deployed systems
- ? logics and formal models for planning
- ? architectures for intelligent agents

We solicit in particular papers that report on the use of planning and scheduling technology in operational applications, either commercial or not.

Important dates:

Paper Submissions Deadline: Tuesday, October 28, 2003

Paper Acceptance Notifications: Tuesday, December 16, 2003

Camera-Ready Copy Due: Tuesday, January 27, 2004

Papers will be thoroughly reviewed, should contain results which advance the state of the art in planning and scheduling, either through theoretical or experimental analysis, and will be judged according to their scientific and technical merits. In previous conferences, roughly 1/3 of the submitted papers have been accepted. Submitted papers must be prepared according to the [AAAI style template](#) and must be no more than eight (8) pages long, including figures and bibliography. Paper submissions will be electronic via the [submissions link](#) on the conference web site. Authors of accepted papers must present their work at the conference. We encourage authors of papers involving experimental results to make their systems and data available on the web and demonstrate their systems at the conference.

Complete information is available at the conference web site: <http://icaps04.icaps-conference.org/>

Conference and Program Chairs:

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