

Call for Papers
ICAPS 2012 Special Track on Continuous Planning

The 22nd International Conference on Automated Planning and Scheduling, ICAPS'12, will take place in Atibaia, Sao Paulo, Brazil, June 24-28, 2012. ICAPS'12 is part of the ICAPS conference series, the premier forum for exchanging news and research results on theory and applications of intelligent planning and scheduling technology.

This year ICAPS is pleased to introduce a Special Track on Continuous Planning. We interpret Continuous Planning broadly, in the context of robustly executing and planning tasks online, planning with continuous change, management of continuous resources, real-time behavior and mixed discrete-continuous dynamics. This is intended as a multi-disciplinary track that focuses on all elements of online systems that perform real-time planning, execution, monitoring and adaptation. Topics include, but are not limited to, real-time planning, planning in mixed discrete-continuous domains, planning for systems with hidden state, plan monitoring and diagnosis of discrete and continuous systems.

We are keen to explore the interactions between Continuous Planning and closely related disciplines concerned with continuous modeling and reasoning. Papers are encouraged both from the planning community and from a range of neighboring disciplines, including model-based reasoning, hybrid systems, run-time verification, control and robotics. We also hope to see papers drawn from the application of aspects of Continuous Planning to real problems in - for example - robotics, aerospace, asset management and diagnosis.

In order to foster an inclusive interpretation of Continuous Planning, the track has a separate program committee that is drawn from a range of relevant disciplines. We look forward to receiving papers that fit this broad interpretation and hope that this Special Track will help to establish Continuous Planning as a regular feature of ICAPS, on the interface between Planning and its sister disciplines.

Important Dates

The timetable for paper submissions and reviewing is as follows:

Electronic abstracts: Friday, December 9th, 2011

Electronic PDF papers: Friday, December 16th, 2011

Notification of acceptance: Tuesday, February 7th, 2012

The reference timezone for all deadlines is UTC-12. This means that if you are in time anywhere on the world, then you are in time!

Track Chairs:

Brian Williams (Massachusetts Institute of Technology, USA)

Maria Fox (King's College London)

Program Committee:

Eyal Amir	Sven Koenig
Michael Beetz	Hadas Kress-Gazit
Adnan Darwiche	Benjamin Kuipers
Emilio Frazzoli	Martin Leucker
Pascal van Hentenryck	Gregory Provan
Klaus Havelund	Marco Roveri
Michael Hofbaur	Nicholas Roy
David Hsu	Wheeler Ruml
Felix Ingrand	Martin Sachenbacher
Johan de Kleer	Barry O'Sullivan
Sertac Karaman	Louise Trave-Massuyes