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Proceedings of the Workshop on Constraint Satisfaction Techniques for Planning and Scheduling Problems (COPLAS'09)

*Edited by
Miguel Salido and Roman Bartak*

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Preface

The areas of AI planning and scheduling have seen important advances thanks to application of constraint satisfaction techniques. Currently, many important real-world problems require efficient constraint handling for planning, scheduling and resource allocation to competing goal activities over time in the presence of complex state-dependent constraints. Therefore, solutions to these problems must integrate resource allocation and plan synthesis capabilities. Basically, we need to manage complex problems where planning, scheduling and constraint satisfaction must be interrelated, which entail a great potential of application.

The workshop aims at providing a forum for meeting and exchanging ideas and novel works in the field of AI planning, scheduling, constraint satisfaction techniques, and many relationships that exist among them. In fact, most of the received works are based on combined approaches of constraint satisfaction for planning, scheduling and mixing planning and scheduling. The workshop was held in September, 2009 in Thessaloniki, Greece during the International Conference on Automated Planning & Scheduling (ICAPS'09).

All the submissions were reviewed by at least two anonymous referees from the program committee, who decided to accept 7 papers for oral presentation in the workshop. The papers provide a good mix of constraint satisfaction techniques for planning, scheduling, related topics and their applications to real-world problems. We hope that the ideas and approaches presented in the papers and presentations will lead to a valuable discussion and will inspire future research and developments for all the workshop participants.

— *Miguel Salido and Roman Bartak*
Workshop co-Chairs

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