



KI 2013

FROM RESEARCH TO INNOVATION AND PRACTICAL APPLICATIONS

36TH GERMAN CONFERENCE ON ARTIFICIAL INTELLIGENCE
16TH-20TH SEPTEMBER 2013: KOBLENZ



27. PuK-Workshop: Planung/Scheduling und Konfigurieren/Entwerfen

<http://www.puk-workshop.de>

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Koblenz, September 2013



CALL FOR PAPERS

KI 2013 Workshop

27. Workshop Planen/ Scheduling und Konfigurieren / Entwerfen

**16. September 2013
Koblenz**

The PuK workshop is the regular meeting of the special interest group on planning, scheduling, design and configuration within the AI section of the GI. It has an amazing long tradition and goes into its 27th edition.

As in previous years the PuK workshop brings together researchers and practitioners of the areas of planning, scheduling, design and configuration. It provides a forum for the exchange of ideas, evaluations and experiences especially in the use of AI techniques within these application and research areas.

Topics of Interest

The general topics of interest of the PuK community include but are not limited to:

- * Practical applications of configuration, planning or scheduling systems
- * Architectures for planning, scheduling or configuration systems
- * Knowledge representation and problem solving techniques, e.g.,
 - domain specific techniques:
 - heuristic techniques
 - distributed problem solving
 - constraint-based techniques
 - iterative improvement
 - integrating reaction and
 - user-interaction.
- * Learning in the context of planning, scheduling and design.

Special Focus: System View

As we have done in earlier workshops, we intend to focus on a specific area of interest: This time it is the systemic view on the use of the tools and techniques developed in the area of planning, scheduling and configuration. The complete systems and application areas in which the approaches are used shall be in the focus of the interest. This focus shall also help to attract the workshop to practitioners in the field, who are invited to present practical problems and to discuss their experiences, concepts, and ideas. It is also intended to stimulate a mutual exchange with the researchers on our common field's future directions. Thus, a second main goal of this part of the workshop is the support of research planning. Besides this, further submissions from the general topics mentioned above are welcome.

Submission and Contribution Format

The workshop will be held in English. Papers are subject to regular peer review and subsequent publication within the workshop proceedings (4-8 pages).

Submission is by eMail to one of the organizers.

Important Dates

17.06.2013 Papers/ Abstracts Due Date

24.06.2013 Notification of Acceptance

01.07.2013 Submission of Camera-Ready Papers (PDF)

Program Committee

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Programm

<i>Title</i>	<i>Authors</i>
Experience Based Task and Environment Specification for Plan-based Robotic Agents	Hartmut Messerschmidt, Jan Winkler, Asil Kaan Bozcuoglu, and Michael Beetz
Planning for Multiple Robots in a Smart Environment	Maurizio Di Rocco, Federico Pecora, Alessandro Manzi, Raffaele Limosani, Giancarlo Teti, Filippo Cavallo, Paolo Dario, and Alessandro Saffiotti
Search Strategies for Partial-Order Causal-Link Planning with Preferences	Pascal Bercher, Fabian Ginter, Susanne Biundo
PUK goes Industry	Bernd Schattenberg
Agent-based Multimodal Transport Planning in Dynamic Environments [KI-Paper]	Christoph Greulich, Stefan Edelkamp, Max Gath
Gamer -- Past, Present, Future Symbolic Search in Planning" [Invited Talk]	Peter Kissmann
Combining Symbolic with Bitvector Graph Search for Solving Connect Four	Stefan Edelkamp, Martha Rohte, Peter Kissmann
Power plant scheduling at long term scenarios with GAMS	Maik Günther
Decentralized, cooperative agv control – first results	Christoph Schwarz
Scheduling 4Green	Jürgen Sauer