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ALPEN-ADRIA UNIVERSITÄT
KLAGENFURT | WIEN GRAZ

30. PuK-Workshop: Planen/Scheduling und Konfigurieren/Entwerfen

http://www.puk-workshop.de

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FROM THE CALL FOR PAPERS

KI 2016 Workshop

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This year, the PuK workshop can celebrate its 30th anniversary. It has been the regular meeting of the special interest group on planning, scheduling, design and configuration within the AI section of the GI. 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: Applications and Retrospective

As we have done in earlier workshops, we intend to focus on specific areas of interest.
On one hand it is the practical use of the tools and techniques developed in the area of planning, scheduling and configuration. Thus 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, an additional goal of this part of the workshop is the support of research planning.
On the other hand we will try to present a little retrospective on 30 workshops on planning, scheduling and configuration. So you are invited to present experiences from the work in these areas. Besides this, further submissions from the general topics mentioned above are welcome.

Programm

Title	Authors
AlphaGo's Children: Learning Neural Networks in other Games	Stefan Edelkamp
Using AI Planning Techniques in OpenCCG: Detecting Infeasible Composites in Sentence Generation	M. Schwenger, Jörg Hoffmann
Automated Data Management Workflow Generation with Ontologies and Planning	Benedict Wright, Robert Mattmueller
Transforming Complex Business Challenges into Opportunities for Innovative Change - An Application for Planning and Scheduling Technology	Brian Drabble, Bernd Schattenberg
Nested Rollout Policy Adaptation for Optimizing	Ashraf Abdo
Declarative Decomposition and Dispatching for Large-Scale Job-Shop Scheduling	E. Teppan, G. Da Col
Scheduling regarding energy efficiency	Jürgen Sauer