Workshop on Configuration Systems

New deadline 16th April!

CALL FOR PAPERS

July 21-22, Patras, Greece. Affiliated with the 18th European Conference on Artificial Intelligence (ECAI 2008)

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Overview

The 2008 Workshop on Configuration Systems continues the series of eleven successful Configuration Workshops started at the AAAI'96 Fall Symposium and continued on IJCAI, AAAI, and ECAI since 1999. The main goal of the workshop is to promote high-quality research in all technical areas related to configuration and to bring together researchers and practitioners from industry and academia. The workshop is of interest for both researchers working in the various fields of applicable AI technologies and industry representatives interested in the relationship between configuration technology and the business problem behind configuration and mass customization.

Areas of Interest

- Configuration problems and models
  Configuration problems typology. Knowledge representation & acquisition. Fuzzy and incomplete knowledge. Knowledge base verification, validation & diagnosis. Standardization of catalog exchange formats. Configuration problems including discrete/continuous/mixed constraints. Product and process configuration. Service configuration (travel, financial services, …). Product design and configuration.
- Reasoning methods
  Reasoning methods. Optimization. Symmetry breaking. Cooperative configuration processes. Re-configuration of existing systems or services. Explanations. Distributed Problem Solving. Benchmark proposals. Recommendation.
- Interactivity & e-business
  Personalization. Ontology. Intelligent man machine interaction. Machine learning. Configuration server. Configuration Web service. Distributed configuration. Configuration Process modeling.
- Integration into the business process
  Interaction with Product data management systems, CAD, ERP, CRM, pricing, etc. Process configuration. Architecture of configuration systems.
- Applications & tools
  Application reports. Case studies. Designing and Configuration Tools. Real world challenges. Test environments for configuration knowledge bases.

We hope to attract a balance of

- new and innovative papers on theoretical issues, justified by practical concerns,
- practical applications, preferably applying a well defined theory model, and
- thorough case studies highlighting practical problems, needs and experiences, especially long term experiences and new cases in, for instance, e-commerce applications.

In addition, we solicit papers containing a description of a configuration problem instance together with longer complete description. The longer descriptions will be made available on a web site in order to build up a benchmark test base for systems.

Submission

Workshop participation will be limited to 40 persons, priority is given to authors of submitted papers. At least one author of each accepted paper must participate to the workshop. If you wish to participate, submit either a full paper of no more than 6 pages (or 6000 words), or a position statement, short paper, or a problem instance (at most 3 pages or 3000 words). Short papers may address an important problem for further research or describe a practical problem or an interesting lesson learned. In addition, we solicit proposals for short demonstrations (at most 3 pages with demonstrations taking at most 15 minutes).

See the Workshop's web page for details on the submission procedure (http://www.soberit.hut.fi/configws08).

In order to attract high-quality technical papers, **we will publish revised versions of selected papers in a special issue on configuration in "International Journal of Mass Customization"**. We may ask authors of journal submissions dealing with the same topic to write a joint article.

Important Dates

- Paper submission deadline: **April 16th (NEW)**, 2008 ← Extended deadline!
- Notification of acceptance: May 7th, 2008
- Final papers due: May 28th, 2008
- Workshop on Configuration Systems: July 21st-22nd, 2008

ECAI 2008 Workshop on Configuration Systems   http://www.soberit.hut.fi/configws08/