21th International Configuration Workshop

Proceedings of the 21th International Configuration Workshop

Edited by
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Preface

Configuration is the task of composing product models of complex systems from parameterisable components. This task demands for powerful knowledge-representation formalisms to capture the great variety and complexity of configurable product models. Furthermore, efficient reasoning and conflict resolution methods are required to provide intelligent interactive behavior in configurator software, such as solution search, satisfaction of user preferences, personalization, or optimization.

The main goal of the Configuration Workshop is to promote high-quality research in all technical and application areas related to configuration. In this year, besides typical contributions about knowledge representation and reasoning in configuration, adaptation and re-configuration of delivered products is a one focus.

The workshop is of interest for both, researchers working in the various fields of Artificial Intelligence (AI) technologies as well as industry representatives interested in the relationship between configuration technology and the business problem behind configuration and mass customization. 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.

The 2019 Workshop on Configuration continues the series of workshops started at the AAAI'96 Fall Symposium and continued on IJCAI, AAAI, and ECAI since 1999. In recent years, the workshop was held independently from major conferences.

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