



**Proceedings of the 21th International Configuration
Workshop. ConfWS'19 - 21st Configuration Workshop.
Hamburg, Germany, from october 19-20, 2019**

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► **To cite this version:**

Lothar Hotz, Michel Aldanondo, Trosten Krebs. Proceedings of the 21th International Configuration Workshop. ConfWS'19 - 21st Configuration Workshop. Hamburg, Germany, from october 19-20, 2019. CEUR Workshop Proceedings, 2467, 80 p., 2019. hal-02339605

HAL Id: hal-02339605

<https://imt-mines-albi.hal.science/hal-02339605>

Submitted on 30 Oct 2019

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21th International Configuration Workshop

Proceedings of
the 21th International Configuration Workshop

Edited by
Lothar Hotz, Michel Aldanondo, Thorsten Krebs

September 18 – 19, 2019

Hamburg, Germany

Organized by



University of Hamburg
Hamburger Informatik Technologie-Center e.V.
Department of Computer Science
Vogt-Kölln-Str. 30, 22527 Hamburg
GERMANY

ISSN 1613-0073

Lothar HOTZ, Michel ALDANONDO, Thorsten KREBS, Editors
Proceedings of the 21th International Configuration Workshop
September 18-19, 2019, Hamburg, Germany

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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.

This year special thanks has to be given to following Configuration Workshop Sponsors: Siemens (Austria), Product Management Haag (Germany), Variantum (Finland), EventHelp (Austria), encoway (Germany), IMT Mines-Albi-Carmaux (France), HITeC (Germany), University of Hamburg (Germany)

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September 2019

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