

Program of the Configuration Workshop 2021, Vienna (Austria)

Location

Siemens Conference Center - room 62.01.048 (first floor)
1210 Wien, Siemensstr. 90

Thursday 2021-09-16

08:00 Start of registration

09:00 Welcome note
Herwig Schreiner, Head of research group Configuration Technologies, Siemens Technology Austria
Invited talk
Rick Rabiser, Head of the Christian Doppler Laboratory for Mastering Variability in Software-intensive Cyber-Physical Production Systems (VaSiCS), Johannes Kepler University Linz

10:00 Coffee break

Foyer (first floor)

10:30 Technical session
Product modeling (session chair: Elise Vareilles)
Maryam Mohammadamini, Michel Aldanondo, Thierry Coudert and Elise Vareilles
About configuration knowledge modeling: What has been done? What can be the tendencies?
Eugen Rigger, Tino Stankovic and Ruth Fleisch
Facilitating Configuration Model Formalization based on Systems Engineering
Albert Haag
Supporting Open Domains in Collaborative Modular Modeling (*short paper*)

11:45 Lunch break

Mensa (ground floor)

13:15 Technical session
Solving (session chair: Gottfried Schenner)
Richard Taupe, Gerhard Friedrich, Konstantin Schekotihin and Antonius Weinzierl
Solving Configuration Problems with ASP and Declarative Domain-Specific Heuristics
Seda Polat Erdeniz and Andrei Popescu
Comparing Genetic Algorithms and Matrix Factorization for Learning Heuristics in Constraint Solving (*short paper*)
Johannes Werner, Tomas Balyo, Markus Iser and Michael Klein
Fast Approximate Calculation of Valid Domains in a Satisfiability-based Product Configurator

14:25 Coffee break

Foyer (first floor)

14:45 Technical session
Tooling (session chair: Michel Aldanondo)
Antoine Charpentier, Jean-Guillaume Fages and Tanguy Lapègue
COSLING Configurator
José Miguel Horcas Aguilera, A. Germán Márquez, José A. Galindo and David Benavides
Monte Carlo Simulations for Variability Analyses in Highly Configurable Systems
Alexander Felfernig, Andrei Popescu, Mathias Uta, Viet-Man Le, Seda Polat-Erdeniz, Martin Stettinger, Müslüm Atas and Thi Ngoc Trang Tran
Configuring Multiple Instances with Multi-Configuration (*short paper*)

15:55	Coffee break	Foyer (first floor)
16:15	Technical session <i>Ralph Samer, Martin Stettinger, Alexander Felfernig, Muesluem Atas, Robert Zupan and Manuel Henrich</i> <i>Robert Tieber and Alexander Felfernig</i> <i>Elise Vareilles, Lothar Hotz, Michel Aldanondo, Sven Magg, Jean-Guillaume Fages and Rüdiger Dehn</i>	Applications (session chair: Albert Haag) Predicting Answers in Preference Elicitation Dialogs A Knowledge-based Configurator for Building Magic: The Gathering Card Decks (<i>short paper</i>) CAIRN: Configuration & Artificial Intelligence for smaRt iNdustry (<i>abstract</i>)
17:20	Next year's workshop	Information by Alexander Felfernig about the plans
19:00	Workshop dinner	<i>Restaurant "Ofenloch" (1010 Wien, Kurrentgasse 8)</i>

Friday 2021-09-17

09:00	Invited talk	Daniel Schall, Head of the research group Distributed AI Systems, Siemens Vienna
10:00	Coffee break	Foyer (first floor)
10:30	Technical session <i>Irene Campo Gay and Lars Hvam</i> <i>Robin Wiezorek and Noemi Christensen</i> <i>Viet-Man Le, Thi Ngoc Trang Tran, Martin Stettinger, Lisa Weißl, Alexander Felfernig, Müslüm Atas, Seda Polat Erdeniz and Andrei Popescu</i>	User experience (session chair: Lothar Hotz) Integrating User-Centered Practices in Configuration Systems Development: Framework and Conceptual Modelling Integrating Sustainability Information in Configurators Counteracting Exam Cheating by Leveraging Configuration and Recommendation Techniques
11:45	Best paper awards	
12:30	Lunch (optional)	<i>Mensa (ground floor)</i>