

# ECAI Configuration Workshop (W16) – Agenda

## Day 1 (Monday, August 28)

8:30-9:00	Registration
9:00-9:10	Opening
9:10-10:00	<b>Invited Talk (Markus Stumptner, Title: TBA)</b>
10:00-10:30	Coffee Break
10:30-12:15	<b>Session I: Principles &amp; Models (Chair: Esther Gelle)</b> <ol style="list-style-type: none"> <li>1. Albert Haag, Ulrich Junker and Barry O'Sullivan: <i>A Survey on Principal Explanation Techniques for Configurators</i> (30+5 min)</li> <li>2. Lothar Hotz: <i>Configuring from Observed Parts</i> (30+5 min)</li> <li>3. Thorsten Krebs: <i>Evolution of Configuration Models - A Focus on Correctness</i> (30+5 min)</li> </ol>
12:15-14:00	Lunch Break
14:00-15:35	<b>Session II: Reasoning &amp; Algorithms (Chair: Barry O'Sullivan)</b> <ol style="list-style-type: none"> <li>1. Nina Narodytska and Toby Walsh: <i>Constraint and Variable Ordering Heuristics for Compiling Configuration Problems</i> (30+5 min)</li> <li>2. Esther Gelle and Mihaela Sabin: <i>Direct and Reformulation Solving of Conditional Constraint Satisfaction Problems</i> (30+5 min)</li> <li>3. Carsten Sinz: <i>Comparing Different Logic-Based Representations of Automotive Parts Lists</i> (20+5 min)</li> </ol>
15:35-16:00	Coffee Break
16:00-17:15	<b>Session III: Business Integration &amp; Interactivity (Chair: Claire Bagley)</b> <ol style="list-style-type: none"> <li>1. Songlin Chen and Mitchell Tseng: <i>Turning a Configurator into a Bargaining Table</i> (20+5 min)</li> <li>2. Rick Rabiser, Deepak Dhungana and Paul Gruenbacher: <i>Integrating Knowledge-Based Product Configuration and Product Line Engineering: An Industrial Example</i> (20+5 min)</li> <li>3. Alexander Felfernig, Christian Scheer and Peter Loos: <i>How to recommend configurable products?</i> (20+5 min)</li> </ol>
17:15-18:00	<b>Panel Discussion: Benchmarking Configuration Solutions</b>
18:00-	<b>Workshop Dinner, OC Meeting</b>

## Day 2 (Tuesday, August 29)

9:00-10:00	<b>Session IV: Applications &amp; Case Studies (Chair: Alexander Felfernig)</b> <ol style="list-style-type: none"> <li>1. Daniel Naus: <i>HP Rack Placement Optimization Case Study</i> (20+5 min)</li> <li>2. Juha Tiihonen, Mikko Heiskala, Kaija-Stiina Paloheimo and Andreas Anderson: <i>Configuration of Contract Based Services</i> (30+5 min)</li> </ol>
10:00-10:30	Coffee Break
10:30-11:45	<b>Session V: Short Presentations (Chair: Carsten Sinz)</b> <ol style="list-style-type: none"> <li>1. Markus Zanker and Markus Aschinger: <i>Knowledge-based composition of recommendations</i> (10+5 min)</li> <li>2. Manikandan Sundaram, Rajasekhar Vinnakota and Praveen Vudoagiri: <i>Industry specific Standard Template Libraries for configuration</i> (10+5 min)</li> <li>3. Markus Stumptner: <i>Configuration Support for Ubiquitous Workspaces</i> (10+5 min)</li> <li>4. Diego Magro: <i>Using Constraint Optimization to Enhance the Diversity in the Set of Computed Configurations</i> (10+5 min)</li> <li>5. Gert L. Moeller: <i>Constraints in Array-based Logic</i> (10+5 min)</li> </ol>
11:45-12:30	<b>Panel Discussion: Future of Configuration</b>
12:30-12:45	Closing