

09:00	Francesco Casella and Dirk Zimmer: <b>Welcome Address</b>
09:10	<b>Invited Keynote:</b> Gianni Ferretti: <b>Object-oriented modelling and FEM: a strategic partnership for virtual prototyping of mechatronic systems</b>
09:50	Coffee Break

## Session 1: Creating and Processing Models

10:20	Victorino Sanz and Alfonso Urquia: <b>Modelica Extensions for Supporting Message Passing Communication and Dynamic Data Structures (WIP)</b>
10:40	Hilding Elmqvist and Sven Erik Mattsson: <b>Exploiting Model Graph Analysis for Simplified Modeling and Improved Diagnostics</b>
11:10	Christoph Höger: <b>Modeling With Monads</b>
11:40	Coffee Break

## Session 2: Teaching and Understanding Equation-Based Languages

12:10	Viktor Kozma and David Broman: <b>MORAP: a Modular Robotic Arm Platform for Teaching and Experimenting with Equation-based Modeling Languages (WIP)</b>
12:30	Alexander Pollok and Andreas Klöckner: <b>The use of Ockham's Razor in Object-Oriented Modeling</b>
13:00	Lunch Break

## Session 3: Model-Based Methods and Tools

14:30	Andreas Seefried and Andreas Pfeiffer: <b>Nonlinear Model Predictive Control in Modelica using FMI and Optimization library (WIP)</b>
14:50	Daniel Bender: <b>DESA - Optimization of variable structure Modelica models using custom annotations</b>
15:20	Coffee Break

## Session 4: Efficient Simulation of DAE Systems

15:50	Volker Waurich and Martin Flehmig: <b>Task Graph Based System Partitioning for Multirate Integration (WIP)</b>
16:10	Lennart Ochel, Patrick Täuber and Bernhard Bachmann: <b>Dynamic Tearing - Efficiency Enhancement of Tearing Methods by Consideration of Solvability Criteria during Runtime</b>
16:40	Federico Bergero, Akshay Ranade and Francesco Casella: <b>QSS and Multi-Rate Simulation of Object-Oriented Models</b>
17:10	Short Coffee Break, Final Discussion and Wrap-up
18:00	End of Workshop