



DFG SPP 1183 Organic Computing

12th Colloquium Preliminary Agenda

Thursday, September 15, 2011	
09:00 h	Registration
09:30 h	Opening and Welcome
09:45 h	<i>Session I</i> <ul style="list-style-type: none">09:45 – 10:30 Invasion: Application-Driven Resource Management for Future MPSoCs (Jürgen Teich)10:30 – 11:00 Organic self-organizing bus-based communication systems (Jürgen Teich)
11:00 h	Coffee Break
11:30 h	<i>Session II</i> <ul style="list-style-type: none">11:30 – 12:00 Multi-objective intrinsic evolution of embedded systems - MOVES (Marco Platzner)
12:00 h	Lunch Break
13:30 h	<i>Session III</i> <ul style="list-style-type: none">13:30 – 14:00 Organic fault-tolerant control architecture for robotic applications (Werner Brockmann, Erik Maehle)14:00 – 14:30 Formal modeling, safety analysis, and verification of organic computing applications - SAVE ORCA (Wolfgang Reif)14:30 – 15:00 On-line fusion of functional knowledge within distributed sensor networks (Bernhard Sick)
15:00 h	Coffee Break
15:30 h	<i>Session IV</i> <ul style="list-style-type: none">15:30 – 16:00 The bio-chemical information processing metaphor as a programming paradigm for organic computing III (Peter Dittrich)16:00 – 16:30 OTC³ – organic traffic control collaborative (Jürgen Branke, Jörg Hähner, Christian Müller-Schloer, Hartmut Schmeck)16:30 – 17:00 OCCS – observation and control of collaborative systems (Jürgen Branke, Jörg Hähner, Christian Müller-Schloer, Hartmut Schmeck)17:00 – 17:30 Embedded performance analysis for organic computing (Rolf Ernst)
17:30	Coffee Break
19:00 h	Social Event: Guided Tours of Rock-Cut Beer Cellars/Brewery with Dinner @ Altstadthof
Friday, September 16, 2011	
08:00 h	Registration
08:30 h	<i>Session V</i> <ul style="list-style-type: none">08:30 – 09:00 Architecture and design methodology for autonomic system on chip (ASoC) (Andreas Herkersdorf, Wolfgang Rosenstiel)09:00 – 09:30 Emergent radio: Emergent strategies to optimise collaborative transmission schemes (Michael Beigl)09:30 – 10:00 A modular approach for evolving societies of learning autonomous systems (Bernd Kleinjohann, Franz J. Rammig)
10:00 h	Coffee Break
10:30 h	<i>Session VI</i> <ul style="list-style-type: none">10:30 – 11:00 Smart teams: local distributed strategies for self-organizing robotic exploration teams (Friedhelm Meyer auf der Heide, Christian Schindelbauer)11:00 – 11:30 AUTONOMOS: A distributed and self-regulating approach for organizing a large system of mobile objects (Sandor Fekete, Stefan Fischer)11:30 – 12:15 Digital on-demand computing organism: stability and robustness (Jürgen Becker, Uwe Brinkschulte, Jörg Henkel, Wolfgang Karl)
12:15 h	Lunch Break
13:30 h	<i>Session VII</i> <ul style="list-style-type: none">13:30 – 14:00 Organic computing middleware for ubiquitous environments (Theo Ungerer)14:00 – 14:30 Learning to look at humans (Rolf P. Würtz)14:30 – 15:00 Model-driven development of self-organizing control applications (Hans-Ulrich Hei, Gero Mhl, Jan Richling, Arno Wacker, Torben Weis)
15:00 h	Concluding Remarks