

Special Recent Events

Keynote

Andreas Herkersdorf, January 2013,
Multi-Perspective Embedded Systems Resilience,
International Conference on High Performance
and Embedded Architectures and Compilers
Berlin, Germany

Special Session at ASP-DAC 2013

Jörg Henkel, Nikil Dutt, Hidetoshi Onodera,
January 2013
Dependability of on-Chip Systems Hardware,
Asia and South Pacific Design Automation
Conference 2013, Yokohama, Japan

Tutorial at ASP-DAC 2013

Jörg Henkel, Nikil Dutt, January 2013
Temperature- and Process Variation-Aware
Dependable Embedded Systems, Asia and
South Pacific Design Automation Conference
2013 Yokohama, Japan

CASS Seminar

Jörg Henkel, Muhammad Shafique, December 2012
Cross-Layer Approaches for System-on-Chip
Dependability, Circuit and Systems Society
2012, Kyoto, Japan

Invited Talk DVLSI Symposium

Jörg Henkel, December 2012
Dependable Embedded Systems – The SPP
1500 Research Program, International
Symposium on Dependable VLSI Systems 2012
Tokyo, Japan

Workshop

Mehdi Tahoori, Sani Nassif, Nikil Dutt, et al.,
November 2012
International Workshop on Hardware/Software
Techniques for Cross-Layer Resiliency,
International Conference on Computer-Aided Design

Keynote Talk

Jörg Henkel, August 2012
Embedded On-Chip Reliability - It's a Thermal
Challenge, Symposium on Integrated Circuits
and Systems Design 2012, Brasilia, Brazil

Special Recent Events cont.

Keynote Talk

Jörg Henkel, June 2012
Dependable Software for Undependable Hard-
ware, IEEE International Symposium on
Industrial Embedded Systems 2012, Karlsruhe,
Germany

Spring School at ETS

Hans-Joachim Wunderlich, March 2012
Test Spring School, IEEE European Test
Symposium 2012, Annecy, France

Dinner on Thursday

“Restaurant Paladion”

Im Silberweg 18-20
71032 Böblingen
Phone: 07031 - 72 185 16
<http://www.paladion-bb.de/index.php?page=anfahrt>



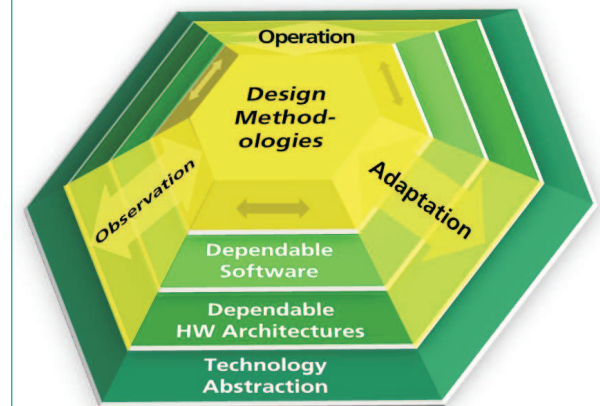
Böblingen, February 7/8 2013

DFG SPP 1500

Böblingen February 7/8, 2013

DFG Deutsche
Forschungsgemeinschaft

Program



spp1500.itec.kit.edu

Day Schedule, Feb. 7th

11:00 Opening by Jörg Henkel (KIT) and Martin Mähler (IBM)

11:30 - 13:00 Project Presentations

LIFT

Lifting Device-Level Characteristics for Error Resilient System Level Design: A Crosslayer Approach

ASTERIOD

An Analyzable, Resilient, Embedded Real-Time Operating System Design

VirTherm-3D

Communication Virtualization Enabling Thermal Management for Dependable 3D Many-Cores

13:00 Lunch

14:00-15:30 Project Presentations

OTERA

Online Test Strategies for Reliable Reconfigurable Architectures

DanceOS

Dependability Aspects in Configurable Embedded Operating Systems

FEHLER

Software-based error handling using cooperation between compilers and operating systems / Flexible Error Handling for Embedded Real-Time Systems

15:30 Coffee Break

16:00

OS-level Dependability: Status and Plans

Daniel Lohmann

16:30

RAP and HW Dependability etc: Status and Plans

A. Herkersdorf, N. Wehn, W. Rosenstiel and O. Bringmann

17:00 - 18:30

Working Group Meetings

Parallel in Rooms Auditorium I, 15-114 and 15-216

19:30 Dinner

Dinner (see back for address)

Böblingen February 7/8, 2013

Day Schedule, Feb. 8th

09:00

A view on IBM's dependable systems

Invited Talk: Thomas Pfüger, IBM

10:00 Project Presentations

ARES

Self-Adaptive Coarse-Grained Reconfigurable Architectures as Reliability Enhancers in Embedded Systems

PERCIÉS

Providing Efficient Reliability in Critical Embedded Systems

11:00 Coffee Break

11:30

IBM Guided Tours

Tester, Rechenzentrum, Briefing Center

12:30 Lunch

13:30 Project Presentations

MIMODES

Design of efficient, dependable VLSI architectures based on a cross-layer-reliability approach using wireless communication as application

CRAU

Compositional System Level Reliability Analysis in the Presence of Uncertainties

Get-SURE

Generating and Executing Dependable Application Software on UnReliable Embedded Systems

Ambrosia

Cross-layer Modeling and Mitigation of Aging Effects in Embedded Systems

15:30 Coffee Break

15:45

Working Group Meetings

Parallel in Rooms Auditorium I, 15-114, 15-216

17:00

Summaries & Announcements

WG Meetings, Plans for Mini-Workshops

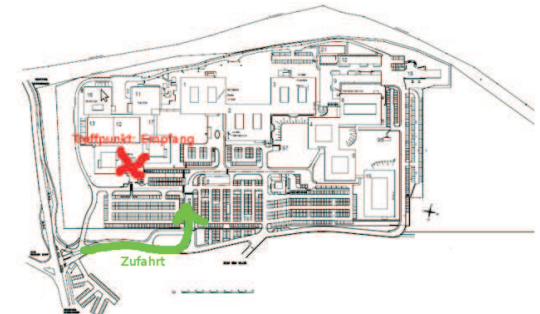
17:15 Wrap-Up

Böblingen February 7/8, 2013

Maps & Travel



IBM Deutschland Research & Development
Schönaicher Str. 220, 71032 Böblingen
Telefon: 07031-16-0



SPP 1500 Contact

Jörg Henkel (**Coordinator SPP 1500**)
+49 163 48 79 543
Martin Buchty (**Technical Support**)

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