



SPEC Benchmarking Colloquium



June 22, 2007
Technische Universität Dresden

Agenda:

- 8:30 - 8:45 **Welcome and Introduction**
Wolfgang E. Nagel, Technische Universität Dresden
- 8:45 - 9:15 **Keynote: History of Computer Performance (Nanoseconds)**
Walter Bays, Sun, SPEC President
- 9:15 - 10:00 **System Balance and Application Balance in Cost/Performance Optimization**
John McCalpin, AMD
(Talk presented by Joerg Borowski, AMD, on behalf of the author)
- 10:00 - 10:30 Coffee Break
- 10:30 - 11:15 **What's New With SPEC CPU2006: Changes to Benchmarks, Metrics, Run Rules, and Technical Challenge**
John Henning, Sun, SPEC CPU Vice Chair
- 11:15 - 11:30 **The CPU2006 Benchmark Tools**
Cloyce Spradling, Sun, SPEC CPU Release Manager
- 11:30 - 12:00 **A Journalist's Experiences with CPU2006**
Andreas Stiller, c't Magazine (Heise Verlag)
- 12:00 - 13:30 Lunch Break
- 13:30 - 14:00 **The HPC Challenge (HPCC) Benchmark Suite: Characterizing a System with Several Specialized Kernels**
Rolf Rabenseifner, High Performance Computing Center, Stuttgart
- 14:00 - 14:30 **SPEC MPI2007 - An Application Benchmark for Clusters and HPC Systems**
Matthijs Van Waveren, Fujitsu, et al.
- 14:30 - 15:00 Coffee Break
- 15:00 - 15:30 **The SPECsfs2007 Benchmark - A Preview**
Darren Saywer, Network Appliance
- 15:30 - 15:50 **Energy Efficiency of Storage Subsystems**
Klaus-Dieter Lange, HP, SPEC Power Chair
- 15:50 - 16:10 **CPU Performance/Power Measurements at the Grid Computing Centre Karlsruhe**
Manfred Alef, Forschungszentrum Karlsruhe
- 16:10 - 16:30 **SPECpower™ - Benchmarking the Energy Efficiency of Servers**
Klaus-Dieter Lange, HP, SPEC Power Chair
- 16:30 - 17:00 Coffee Break
- 17:00 - 17:30 **Future of SPECjvm (JVM2007)**
Stefan Sarne, BEA, et al.
- 17:30 - 18:00 **SPEC Enterprise Java Benchmarks: State of the Art and Future Directions**
Sam Kounev, Technical University of Darmstadt (Germany) / University of Cambridge (England)

Location: Hettnerstr. 3, Potthof-Bau, Hörsaal 51

Registration: www.spec.org/workshops/2007/dresden