



SRC Events

E002599 - ICSS Systems Contract Review - Agenda [revised 12/13/05]

Meeting Date: Tuesday, February 28th - Wednesday, March 1st, 2006

Meeting Place: The Blackwell in the Pfahl Executive Conference Center, Room 302, 2110 Tuttle Park Place, Columbus, OH

Event ID#: E002599

Tuesday, February 28th, 2006		
8:00 - 8:30 a.m. EST	Welcome/Introduction/Continental Breakfast	
8:30 - 9:00 a.m. EST	<u>1121.001 - Adaptively-Controlled Execution for Power and Performance Task Leader: Martonosi, Princeton</u>	Margaret Martonosi, Princeton
9:00 - 9:30 a.m. EST	<u>1204.001 - Power and Area Efficient Network-on-Chip Architectures</u>	Israel Cidon, Technion
9:30 - 10:00 a.m. EST	<u>1190.001 - Building Reliable Microarchitectures from Unreliable Devices with the Recursive NanoBox Approach</u>	David Lilja, U Minnesota
10:00 - 10:30 a.m. EST	Break	
10:30 - 11:00 a.m. EST	<u>1189.002 - Modeling and Analysis of On-Chip Fault-Tolerant Communication</u>	Radu Marculescu, CMU
11:00 - 11:45 a.m. EST	<u>1189.001 - Cycle-Accurate Modeling of Mixed-Clock Systems</u>	Diana Marculescu, CMU
	<u>1314.001 - Power Analysis and Optimization of Voltage/Frequency-Island Based Designs</u>	
11:45 a.m. - 1:30 p.m. EST	Break/Posters	
1:30 - 2:00 p.m. EST	<u>1120.001 - Speech Recognition in Silicon</u>	Rob Rutenbar, CMU
2:00 - 2:30 p.m. EST	<u>1316.001 - NSF/NIRT: Technologies, Architectures and Performance Analysis for Nanoelectronics</u>	John Savage, Brown
2:30 - 3:00 p.m. EST	<u>1122.001 - System-On-Chip for Power-Aware Wireless Communications</u>	Kaushik Roy, Purdue
3:00 - 3:30 p.m. EST	Break	
3:30 - 4:15 p.m. EST	<u>1188.001 - Energy Efficient, Reliable On-Chip Communication Architectures</u>	Mary Jane Irwin/Vijaykrishnan Narayanan, Penn State; Alessandro Bogliolo, U Urbino
	<u>1188.002 - Software Application Mapping and Simulation-Based System Design Space Exploration Tools</u>	Mary Jane Irwin/Mahmut Kandemir, Penn State; Luca Benini, U Bologna

4:15 - 4:45 p.m. EST	<u>1116.001 - RINGS: Reconfiguration for Embedded Systems</u>	Ingrid Verbauwhede/M. Frank Chang/Lei He, UCLA
4:45 - 5:00 p.m. EST	Break	
5:00 - 6:00 p.m. EST	TAB Caucus	
7:00 - 9:00 p.m. EST	Dinner	
Wednesday, March 1st, 2006		
8:00 - 8:30 a.m. EST	Continental Breakfast/Late Registration	
8:30 - 9:00 a.m. EST	<u>1311.001 - Smart First-Pass-Silicon Radio Technology</u>	Mohammed Ismail El-Naggar, Ohio State
9:00 - 9:30 a.m. EST	<u>1192.001 - LDPC Coding System Design and Implementation for Magnetic Storage</u>	Tong Zhang, RPI
9:30 - 10:00 a.m. EST	<u>1289.001 - Low Power Table Assisted SIMD Floating Point for Multi-Media Processors</u>	David Matula, SMU
10:00 - 10:30 a.m. EST	Break	
10:30 - 11:00 a.m. EST	<u>1170.001 - The Design and Implementation of Novel Decoders for High Speed Applications with Inter-Symbol Interference</u>	Stephen Bates, U Alberta
11:00 - 11:30 a.m. EST	<u>1312.001 - Early Design Space Exploration of Single Chip Multiprocessor Systems</u>	Donald Thomas, CMU
11:30 a.m. - 12:00 p.m. EST	<u>1118.001 - No-Instruction-Set-Computer (NISC) Technology</u>	Daniel Gajski, UC/Irvine
12:00 - 1:00 p.m. EST	Lunch	
1:00 - 1:30 p.m. EST	<u>1117.001 - A Behavioral Type System for Provably-Correct Component Compositions in System-Level Designs</u>	Rajesh Gupta, UC/San Diego
1:30 - 2:00 p.m. EST	<u>1313.001 - New Directions in Multi-Core Processor Architectures</u>	Dean Tullsen, UC/San Diego
2:00 - 2:30 p.m. EST	<u>1331.001 - Warp Processing</u>	Frank Vahid, UC/Riverside
2:30 - 3:00 p.m. EST	Break	
3:00 - 3:45 p.m. EST	<u>1111.001 - Compiler-in-the-Loop ADL-Driven Early Architectural Exploration</u>	Nikil Dutt, UC/Irvine
	<u>1330.001 - SOC Power Optimization Framework</u>	
	<u>1330.002 - Evaluation of Plasma for Power-Aware ADL Descriptions of SOCs</u>	
3:45 - 4:15 p.m. EST	<u>1068.003 - High-Level Synthesis from the Synchronous Language Esterel</u>	Stephen Edwards, Columbia
4:15 - 4:45 p.m. EST	<u>1328.001 - Novel OFDM Interference Mitigation Architecture and Algorithms for Broadband Mobile</u>	Naofal Al-Dhahir, Univ. of Texas/Dallas

	Wireless Communications	
4:45 - 5:00 p.m. EST	Break	
5:00 - 6:00 p.m. EST	TAB Caucus	

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