Program:
Sunday February 13th

**Breakfast from 7:30-8:30**

Hosts:
Olaf Lubeck – Los Alamos National Laboratory (Morning Sessions Chair)
Phil Mucci – University of Tennessee
Rob Fowler – Rice University
Mike Lang – Los Alamos National Laboratory (Afternoon Sessions Chair)

8:30 Welcome(10 mins)
Olaf Lubeck – Los Alamos National Laboratory (Morning Sessions Chair)

8:40 – 10:15 User Space
“Performance Hardware – If I ran the world” (15 mins)
Rob Fowler – Rice University

“What we need to be able to count to tune programs” (15 Mins)
Mustafa M. Tikir, Bryan R. Buck, Jeffery K. Hollingsworth – University of Maryland

“Efficient Collection of Information on the Locality of Accesses” (15 mins)
Irina Chihaia, Thomas Gross – ETH Zurich

“Hardware Performance Counters for Detailed Runtime Power and Thermal Estimations: Experiences and Proposals” (15 mins)
Canturk Isci, Gilberto Contreras, Margaret Martinos – Princeton University

User Space Discussion 1 (35 minutes)

**Morning break 10:15-10:30**

10:30- 12:00 User Space (cont.)
“System Wide Performance Monitors”
Jean-Francois Collard, Norm Jouppi – Hewlett-Packard Laboratories

“Performance Monitoring Hardware will Always be a Low-Priority, Second-Class Feature in Processor Designs Until ...” (15 mins)
Brinkley Sprunt – Bucknell University

“Using Hardware Event Counters for Continuous, Online System Optimization: Lessons and Challenges” (15 mins)
Christos D. Antonopoulos, Dimitrios S. Nikolopoulos

“A Vision for Next Generation System Monitoring” (15 mins)
Martin Schulz – Lawrence Livermore National Laboratory, Brian White, Sally A. McKee – Cornell, Hsien-Hsin Lee – Georgia Tech.

User Space Discussion 2 (30 mins)

**Lunch 12-1**

1:00-2:35 Architecture Space

“Sun’s Perspective on Hardware Performance Monitoring”
Marty Itzkowitz – Sun (35 mins)

“The NUMA Challenge”
Bill Brantley – AMD (25 mins)

“Experiences with Perfmon”
Stephane Eranian – HP (15 mins)

Architecture Space Discussion 1 (30 mins)

**Afternoon break 2:45-3:00**

3:00-4:55 Architecture Space (cont.)
“Confessions of a Performance Monitor Hardware Designer”
Jim Callister – HP/Intel (25 mins)

“The Power-PC Performance Monitor”
Alex Mercias – IBM (25 mins)

“Intel”
Nidhi Nidhi – Intel (25 mins)

**Architecture Space Discussion 2 (30 mins)**

“Summary and wrap up”
Phil Mucci (15 Mins)

6:30 Reception