Call for Tutorial and Workshop Proposals
2011 IEEE International Symposium on
Performance Analysis of Systems and Software (ISPASS)
April 10-12, 2011

The ISPASS organizing committee seeks high quality tutorials and/or workshops in the area of performance analysis for computer systems and software.

Scope. Tutorials should provide educational value, providing results that are established and doing so in an interactive format. Workshops may incorporate a mix of solicited papers and invited talks. Topics should be aligned to conference themes:

1. Performance and power evaluation methodology
   a. Simulation techniques, including hardware-accelerated techniques (e.g., FPGA)
   b. Hardware performance counter architectures
   c. Tracing and profiling tools
   d. Analytical and statistical modeling
   e. Modeling metrics relevant to computer systems

2. Performance and power analysis
   a. Performance and power metrics
   b. Bottleneck identification and analysis
   c. Visualization

3. Commercial and experimental hardware analysis
   a. General-purpose microprocessors, multiprocessors
   b. Accelerators and graphics processing units
   c. Computer networks
   d. Memory and storage systems
   e. Embedded and mobile systems
   f. Enterprise and data center systems
   g. High-performance computing systems

4. Emerging workload and software analysis
   a. Internet-sector workloads
   b. Virtualization, consolidation workloads
   c. Multimedia, games, telepresence
   d. Bioinformatics, life sciences, biometrics
   e. Code tuning and optimization

We welcome tutorials and workshops associated with published tools or infrastructure.

Timeline. Deadline is December 15, 2010. Notification is December 22, 2010.

Submission. Please electronically send the following to Prof. Benjamin Lee (b.c.lee@duke.edu)

1. Title and short description (1 paragraph)
2. Motivation and ISPASS relevance.
3. Intended audience
4. Duration (half-day or full-day)
5. Presenter names, affiliations, biographies that emphasize research/teaching experience.