ISPASS 2017 Call for Papers

The IEEE International Symposium on Performance Analysis of Systems and Software (ISPASS) provides a forum for sharing advanced academic and industrial research work focused on performance analysis in the design of computer systems and software. ISPASS 2017 will be held April 23 through 25, 2017 in California's wine country (San Francisco Bay Area). Authors are invited to submit previously unpublished work for possible presentation at the conference. Papers are solicited in fields that include the following:

- Performance and power evaluation methodologies
  - Analytical modeling
  - Statistical approaches
  - Tracing and profiling tools
  - Simulation techniques
  - Hardware (e.g., FPGA) accelerated simulation
  - Hardware performance counter architectures
  - Power/Temperature/Variability/Reliability models for computer systems
  - Microbenchmark-based hardware analysis techniques
- Performance and power analysis
  - Metrics
  - Bottleneck identification and analysis
  - Visualization
- Power/Performance analysis of commercial and experimental hardware
  - General-purpose microprocessors
  - Multithreaded, multicore and many-core architectures
  - Accelerators and graphics processing units
  - Memory systems including storage class memory
  - Embedded and mobile systems
  - Enterprise systems and data centers
  - Supercomputers
  - Computer networks
- Power/Performance analysis of emerging workloads and software
  - Software written in managed languages
  - Virtualization and consolidation workloads
  - Internet-sector workloads
  - Embedded, multimedia, games, telepresence
  - Bioinformatics, life sciences, security, biometrics
  - Deep learning and convolutional neural networks
- Application and system code tuning and optimization
- Confirmations or refutations of important prior results

In addition to research papers, ISPASS welcomes tools and benchmarks papers. The conference is an ideal forum to publicize new tools and benchmarks to the community. These papers, which can detail tools and benchmarks in any of the above fields of interest, will be judged primarily on their potential impact and use than on their research contribution.

See http://www.ispass.org for submission details.

IMPORTANT DATES

- Paper abstract submission: October 7, 2016
- Full submission: October 14, 2016
- Rebuttal: January 13-16, 2017
- Notification: January 30, 2017
- Conference: April 23-25, 2017

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