CALL FOR PAPERS

WWC-7

The Seventh Annual IEEE International Workshop on Workload Characterization

Sponsored by IEEE Computer Society and
the Technical Committee on Computer Architecture

October 25, 2004
Renaissance Hotel
Austin, Texas

Program Co-Chairs:

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Important Dates:
Abstract Submission: **August 2, 2004**
Final Paper Submission: **August 9, 2004**
Acceptance Notified: **September 14, 2004**
Final Manuscript Submission: **September 21, 2004**

New computer applications and programming paradigms are constantly emerging to complement new and improving technology. Design of next generation microprocessors and computer systems should be based on understanding of emerging workloads. This one-day workshop, sponsored by IEEE and the Technical Committee on Computer Architecture, will focus on characterizing and understanding modern computer applications from both commercial and scientific computing.

Papers are solicited in all areas related to characterization of workloads (system or application) in a variety of computing environments. Topics of interest include (but not limited to):

- Workload characterization or related studies focusing on the following types of applications:
  - E-commerce
  - Web server
  - Database
  - Embedded
  - Mobile
  - Multimedia
  - Java
  - Network computing
  - Multiprocessor
  - Scientific and Technical
  - Operating System intensive
  - Multi-threaded
- Effects of architectural features on workload behavior
- Machine independent characterization of workloads
- Memory and I/O access patterns
- Benchmark creation and validation
- Representative trace generation
- Profiling, trace collection and validation issues
- Workload synthesis
- Abstract modeling of program behavior

Papers will appear in the workshop proceedings, published by IEEE. For paper submission guidelines and other information, visit the WWC web site at:
http://www.ece.utexas.edu/~ljohn/wwc/