



WWC-5

November 25, 2002
Austin, Texas

CALL FOR PAPERS

IEEE 5th Annual Workshop on Workload Characterization

Sponsored by IEEE and the Technical
Committee on Computer Architecture



Program Chairs:

Lizy Kurian John, The University of Texas at Austin
ljohn@ece.utexas.edu
Ann Marie Grizzaffi Maynard, IBM Research Lab
amg@us.ibm.com

Program Committee:

Bryan Black, Intel Corporation
Pradip Bose, IBM T.J. Watson Research Center
Doug Burger, The University of Texas at Austin
Tom Conte, North Carolina State University
Kelly Flanagan, Brigham Young University
Manoj Franklin, University of Maryland
Lizy Kurian John, The University of Texas at Austin
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David Kaeli, Northeastern University
Steve Keckler, The University of Texas at Austin
Ann Marie Grizzaffi Maynard, IBM Research Lab
Vijaykrishnan Narayanan, Penn State University
Nasr Ullah, Motorola

Important Dates:

Paper Submission: **August 23, 2002**
[Automatic extension to August 30, 2002]
Acceptance Notified: **October 9, 2002**
Final Manuscript Submission: **October 16, 2002**

New computer applications and programming paradigms are constantly emerging to complement new and improving technology. It is essential to understand the characteristics of today's emerging workloads in order to design efficient architectures for them. This one-day workshop, sponsored by IEEE and the Technical Committee on Computer Architecture, will focus on characterizing and understanding modern computer applications commercial and scientific computing.

Papers are solicited in all areas related to characterization of workloads (system and/or application behavior) 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
 - 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

For more information, visit the WWC web site at :
<http://www.ece.utexas.edu/~ljohn/wwc/>