Preliminary
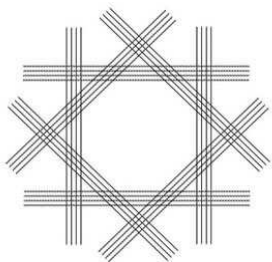# CALL FOR PAPERS

The Thirteenth International Workshop on Parallel and Distributed Real-Time Systems
(WPDRTS 2005)
April 4 and 5, In conjunction with IPDPS 2005
Omni Interlocken Hotel, Denver, Colorado

The International Workshop on Parallel and Distributed Real-Time Systems is a forum for the presentation and discussion of approaches, research findings, and experiences in the domain of large-scale parallel and distributed real-time systems. Both research and development of relevant technologies are of interest, as well as the applications built using such technologies.

Special Session: Formal Methods for Real-Time Systems
The aim of this Special Session is to bring together researchers, designers and developers interested in formal methods used to support analysis and design of time critical applications.

The session is focused on:
- Advances in theory of timed DES (Timed Automata, Timed Petri Nets,)
- Scheduling and discrete optimization of systems with timing constraints
- Schedulability analysis of RT applications (RMA, Response Time Analysis)
- Modeling issues and case studies
- Other topics related to formalisms with deadline constraints

Manuscripts for the special session of up to 15 pages should be submitted to the workshop site and to hanzalek@fel.cvut.cz by November 1, 2004.

Challenge Problem Session:
This special session will revolve around the problem of "Detection and Reaction to Unplanned Operational Events". The session will be devoted to discussing the problem and proposed solutions. An award will be given for the best solution.

General Paper Sessions:
These sessions will present high-quality papers submitted to the workshop and selected by the program committee for presentation and publication at WPDRTS.

Topics of interest include but are not limited to:
- Resource Management
- Operating Systems and Middleware
- Programming Environments
- Algorithms and Applications
- Architectures
- Specification, Modeling, and Analysis
- Networking and Communications

PAPER SUBMISSION
Papers are not to exceed 15 pages (11 pt. font). Please number each page. Include an abstract and 5-6 keywords for the technical areas most relevant to your paper. The workshop proceedings will be published by IEEE CS press and selected papers will be published in a respected research journal (TBA).

IMPORTANT DEADLINES

Manuscripts due:	**November 8, 2004**
Acceptance notification:	**December 17, 2004**
Camera ready copies due:	**January 14, 2005**
Workshop:	**April 4-5, 2005**

Submissions will be handled via the workshop web site
http://www.cs.uri.edu/~cingiser/wpdrts05

Steering Committee Co-Chairs

David Andrews, University of Kansas, USA
Lonnie R. Welch, Ohio University, USA

General Co-Chairs

Priya Narasimhan, Carnegie-Mellon University, USA
Chris Gill, Washington University in St. Louis, USA

Program Co-Chairs

Lisa DiPippo, University of Rhode Island, USA
Vana Kalogeraki, Univ.of California, Riverside, USA

Steering Committee

Scott Brandt, Univ of California at Santa Cruz, USA
Alan Burns, The University of York, UK
Guenter Hommel, Technische Universität Berlin, Germany
Doug Locke, Timesys Corporation, USA
Barbara Pfarr, NASA Goddard, USA
Viktor Prasanna, University of Southern California, USA
Behrooz Shirazi, University of Texas at Arlington, USA
Kenji Toda, Electrotechnical Laboratories, Japan
Wei Zhao, Texas A&M University, USA
Wayne Wolf, Princeton University, USA
Armin Zimmerman, Technische Universität, Berlin, Germany

Program Committee

Hakan Aydin, George Mason University
Sanjoy Baruah, University of North Carolina
Victor Fay-Wolfe, University of Rhode Island
Helen Gill, National Science Foundation
Andy Gokhale, Vanderbilt University
Zdenek Hanzalek, Czech Technical University
Kane Kim, Univ. of California, Irvine
Trudy Morgan, SPAWAR Systems Center
Daniel Mosse, University of Pittsburgh
Simin Nadjm-Tehrani, Linkoping University
Douglas Niehaus, University of Kansas
Peter Puschner, TU Vienna
Evgenia Smirni, College of William and Mary
Sang Son, University of Virginia
Nalini Venkatasubramanian, Univ. of California, Irvine
Richard West, Boston University
Paul R. Work, Raytheon

Publicity Chairs

Prithviraj Dasgupta (N. America), Univ. of Nebraska, USA
Daeyoung Kim (Asia), ICU, Korea
Jörgen Hansson (Europe), Linköping University, Sweden

For further information contact:

dipippo@cs.uri.edu   vana@cs.ucr.edu