**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