

13th INTERNATIONAL CONFERENCE ON REAL-TIME SYSTEMS RTS EMBEDDED SYSTEMS 2005

April 5-6, 2005, Paris, France (Paris-Expo, Porte de Versailles) <http://www.birp.com/rts>

Within the framework of RTS' 2005, trade show for real-time and embedded systems

Sponsored by the Research Group on Architecture, Networks, Systems, and Parallel computing of CNRS

CALL FOR PAPERS

CONFERENCE AIM AND TOPICS

The purpose of the conference is to share ideas, experiences and information among academic researchers, developers, and service providers in the field of REAL-TIME and EMBEDDED SYSTEMS. The program committee is soliciting papers describing original work related to real-time computing. This call is particularly aimed at applications, experimental or commercial systems, new problems including real-time constraints, emerging solutions, parallel or distributed architectures, theoretical foundations and methodologies of construction and validation taking into account timing constraints. Thus all the proposals relating to real-time in the following topics will be examined:

- real-time networks and distributed systems,
- specification, modeling, validation, verification of real-time applications and systems:
- design methods and languages, development environments,
- task scheduling and allocation, message scheduling,
- performance evaluation, benchmarking,
- middleware, real-time operating systems,
- fault tolerant real-time systems,
- software engineering for real-time systems, real-time components, worst-case execution time,
- energy-aware design.

However the program committee would like to put a particular emphasis on the following fields of applications:

- embedded applications in transportation systems: automotive, avionic and railway fields,
- control systems: implementation, performance, dependability.

INFORMATION FOR AUTHORS

Conference languages are **French** and **English**. Prospective authors are encouraged to submit a pdf or postscript version of the full paper by e-mail to rts05@loria.fr.

Submissions should be formatted as follows: First page: Title, author name(s), mailing and e-mail addresses, phone and fax numbers, an abstract (no longer than ten lines), and a set of keywords. Please identify one author for correspondence. Second and subsequent pages: paper manuscript limited to 6000 words (in a font no smaller than 11-point). Each accepted paper will have 30 minutes for presentation and discussion. The attendance will select one paper for the best paper award. The papers will be published in the RTS' 2005 proceedings and selected papers will be invited for submission to the "Technique et Science Informatiques" Journal for a special issue. The attendance of the conference will select one winner for the Best Paper Award.

IMPORTANT DATES

Deadline for paper submission (extended deadline) : **November 1st, 2004** (An acknowledgment will be sent)
Notification of acceptance : December 22nd, 2004
Camera ready papers due : January 16th, 2005

PROGRAM CHAIR

Nicolas Navet (LORIA, Nancy, France)

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FURTHER INFORMATION AND INSTRUCTIONS FOR AUTHORS: <http://rts05.loria.fr>
or contact the program chair (E-mail: nicolas.navet@loria.fr, Tel: +33 (0)383581763)