



DSD'2005
EUROMICRO CONFERENCE ON
DIGITAL SYSTEM DESIGN
Architectures, Methods and Tools
August 30 - September 3, 2005, Porto, Portugal
Call for Papers

Session Organizer:

M. Handy, University of Rostock (DE)

Contact Information:

M. Handy
University of Rostock
R.-Wagner-Str. 31
D-18119 Rostock
matthias.handy@uni-rostock.de
Tel. +49 381 498 3534
Fax +49 381 498 3601

Program Committee:

V. Coroama, ETH Zurich (CH)
M. Handy, U. of Rostock (DE)
L. Jóźwiak, Eindhoven U. Techn. (NL)
Y. Manoli, U. of Freiburg (DE)
V. Muthukumar, UNLV (US)
A. Postula, U. of Queensland (AU)
D. Timmermann, U. of Rostock (DE)

Special Session: SSI

WIRELESS SENSOR NETWORK SYSTEMS

BACKGROUND

The Euromicro Conference on Digital System Design addresses all aspects of (embedded) digital and mixed hardware/software system engineering. It is a discussion forum for researchers and engineers working on state-of-the-art investigations, development, and applications. It focuses on advanced system, design, and design automation concepts, paradigms, methods and tools, as well as, modern implementation technologies that enable effective and efficient development of high-quality (embedded) systems for important and demanding applications in fields such as (wireless) communication and networking; measurement and instrumentation; health-care and medicine; military, space, avionic and automotive systems; security; multi-media and ambient intelligence.

SCOPE

The special session on “*Wireless Sensor Network Systems*” addresses concepts, implementations and applications of sensor network systems, as well as, new architectural models and hardware solutions in the sensor network domain. Papers on any of the following and related topics will be considered for the special session:

- Sensor network concepts
- Sensor node architectures
- Sensing, processing, and communicating on a chip
- Communication-computation trade-offs
- Resource-aware SW/HW Co-design
- Area-efficient synthesis
- Low-power strategies in HW-design
- Prototypes and applications

SUBMISSION OF PAPERS

Prospective authors are encouraged to submit their manuscripts for review electronically through the following web page (<http://dsd2005.irisa.fr/confman/>) or by sending the paper to the Program Chair via email dsd05-papers@listes.univ-rennes1.fr (only in the case of the web access problem) before the deadline for submission (*please indicate the topic area as: SSI*). Each manuscript should include all text, illustrations, and references. The manuscript should conform to the required format single-spaced, double column, A4/US letter page size, 10-point size Times Roman font, up to 8 pages. The DSD'2005 web page should be consulted for the exact submission format. In order to conduct a blind review, no indication of the authors' names should appear in the submitted manuscript. A separate sheet should be added containing authors, designation, affiliations, contact author and email address.

The Proceedings of DSD'2005 will be published by the IEEE Computer Society.

IMPORTANT DATES

Submission of papers: March 1, 2005
Notification of acceptance: May 3, 2005
Deadline for final version: June 9, 2005

Special Session web page:

<http://www-md.e-technik.uni-rostock.de/ma/hm13/dsd05>
DSD'05 web page: <http://dsd2005.univ-rennes1.fr>
Euromicro web page: <http://www.euromicro.org>
DSD web page: <http://www.dsdconf.org>