

IEEE COMPUTER SOCIETY ANNUAL SYMPOSIUM ON VLSI

ISVLSI
2006

CALL FOR PAPERS

MARCH 2-3, 2006
KARLSRUHE, GERMANY



This Symposium explores emerging trends and novel ideas and concepts in the area of VLSI. The Symposium covers a range of topics: from VLSI circuits, systems and design methods to system level design and system-on-chip issues, to bringing VLSI experience to new areas and technologies like nano- and molecular devices, MEMS, and quantum computing. Future design methodologies will also be one of the key topics at the workshop, as well as new CAD tools to support them. Over almost two decades the symposium has been an unique forum promoting multidisciplinary research and new visionary approaches in the area of VLSI. The Symposium is bringing together leading scientists and researchers from academia and industry. The papers from this symposium have been published as the special issues of top archival journals. This fact indicates a very high quality of the symposium papers, and we are determined to keep a strong emphasis on this critical aspect of any conference. The symposium proceedings are published by IEEE Computer Society Press.

Several leading scientist from newly emerging areas of nanoelectronics, MEMS and molecular, biological and quantum computing will be invited speakers at the symposium. The Symposium has established a reputation in bringing well-known international scientists as invited speakers, and this trend will continue.

CONTRIBUTIONS ARE SOUGHT IN THE FOLLOWING AREAS:

Emerging Trends in VLSI
Nanoelectronics
Molecular, Biological and Quantum Computing
MEMS
VLSI Circuits and Systems
Field-programmable and Reconfigurable Systems
System Level Design
System-on-a-Chip Design
Application-Specific Low Power VLSI System Design
System Issues in Complexity, Low Power, Heat Dissipation
Power Awareness in VLSI Design
Test and Verification
Mixed-Signal Design and Analysis
Electrical/Packaging Co-Design
Physical Design
Intellectual property creating and sharing



Website:

isvlsi06.itiv.uni-karlsruhe.de

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PARTICIPATION

The Symposium Program will include contributed papers and speakers invited by the Program Committee, as well as a poster session. The keynote addresses, panels and special sessions are planned as well.

PAPER SUBMISSION + DEADLINES

Authors should send a PDF version of their papers to the web based submission site, as described on the symposium website. Submissions should be no more than six pages long. The cover page should include (1) title, (2) authors and affiliation, (3) e-mail address of the contact author, (4) an abstract describing the contributions, and (5) body of the paper. Due dates are:

October 25, 2005 Manuscript, max six two-column pages

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