IEEE COMPUTER SOCIETY ANNUAL SYMPOSIUM ON VLSI

ISVLSI 2011

CALL FOR PAPERS

July 4-6, 2011
Chennai, India

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 a 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 scientists 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.

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. Authors should send a PDF version of their papers through the web based submission site, as described on the symposium website.

Paper submission deadlines

Important dates are:
Abstract Submission Deadline: ~~February 20,~~ February 25, 2011
Full Paper Submission Deadline: ~~March 1,~~ March 5, 2011 max six two-column pages
Acceptance Notification: March 27, 2011
Submission of Final Version: April 15, 2011