



9th International Conference **On Embedded Systems**

Sponsored by

VLSI Society of India (VSI) Ministry of Communications & Information Technology Government of India

January 3 - 7, 2010 **NIMHANS Convention Centre** Bangalore, INDIA

IFFF IEEE Circuits and Systems Society IEEE ED/SSC/CAS Bangalore chapter ACM Special Interest Group on Design Automation

THEME: Affordable Technology for Emerging Markets

This joint conference is a forum for researchers and designers to present and discuss various aspects of VLSI design, electronic design automation (EDA), enabling technologies, and embedded systems. It covers the entire spectrum of activities in the two vital areas of very large scale integration (VLSI) and embedded systems, which underpin the semiconductor industry. The five-day technical program will consist of three days of regular paper sessions, special sessions, embedded tutorials, industry presentation sessions, panel discussions, design contests and industrial exhibits, and two days of full-day tutorials.

Electronic systems are ubiquitous today in multiple applications, with emerging markets in health-care, entertainment and machine intelligence spurring several new ones. These markets often hinge delicately on the right blend of technology and affordability. Accordingly, the theme for this conference is set as "Affordable Technology for Emerging Markets".

TOPICS: Papers are invited on topics related to (but not limited to) the following areas:

23rd International

Conference On VLSI Design

VLSI Design and Design Methodologies

Analog and RF mixed-signal design CMOS sensors and MEMS Design for manufacturability, reliability and yield High-performance computing Medical and automotive electronics Mixed-signal design and technology CAD Multi-core architectures Nano-scale computing and nano-electronics Networks-on-chip Packaging and board design Physical design Power analysis and low-power design Synthesis, DFT and test Thermal analysis and temperature-aware design Verification (simulation and formal)

Embedded Systems Audio, image and video processing Case studies ESL design flows

Embedded software tools Emerging applications: Health-care, imaging systems, entertainment, sensor networks, ambient intelligence Extensible, application-specific and reconfigurable processing FPGA/Emulation based design prototyping Hardware/Software co-design Performance analysis and profiling Security and compression

15.2009

Theme Based

Automation needs to meet new product challenges Concurrent engineering Design and technology management Economics of design and manufacturing Emerging markets

SUBMISSION GUIDELINES: All submissions must be made at the conference web site, http://www.vlsiconference.com.

- Regular papers: The manuscript, to be prepared in IEEE two-column conference format and not to exceed six pages, must describe previously unpublished work, focusing on novel ideas, results and applications of the contribution. Submissions will undergo a BLIND review process: Papers disclosing the identity of the authors will be rejected.
- Embedded tutorials & Special Sessions: Proposals in emerging areas of relevance to this conference can be submitted as two-page extended abstracts with details of topics covered. Accepted proposals will require full regular papers to be submitted.
- Panels: Proposals must be submitted together with an abstract, together with names of panelists.

All submissions of papers and proposals will imply that, if selected, the same must be presented at the conference in person. Hence, approvals from parent organizations must be obtained before the submissions are made.

TUTORIALS: Two days will be dedicated to full-day tutorials on important and emerging topics. Coordinating presenters are encouraged to submit proposals in the specified format giving adequate information on topics covered and details of other preserters.

EXHIBITS: The conference provides a unique opportunity for vendors of VLSI design tools and services to display their products and services. Exhibition space is limited hence those interested should contact the Exhibit Chair.

DESIGN CONTEST: Please check the conference website or contact the Design Contest Chair for more information.

FELLOWSHIPS: The Fellowship Chairs will award fellowships, based on need and merit, to partially cover the expenses of attendees from India. Candidates with accepted submissions will be given preference.

IMPORTANT DATES:

Submissions:	Regular papers	July 17, 2009
	Special sessions, Embedded Tutorials & Panels	July 17, 2009
	Full-day tutorials	July 17, 2009
Acceptance notification		September 15, 200
Fellowship applications due		October 01, 2009
	For more information, please visithttp://www.vlsiconference.com	

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