

CALL FOR PAPERS – ISPD 2012

ACM International Symposium on Physical Design

With A Tribute to Professor C.-L. Liu

<http://www.ispd.cc>

March 25-28, 2012

Napa, California, USA

Sponsored by ACM SIGDA with Technical Co-sponsorship from IEEE CAS

The International Symposium on Physical Design provides a premier forum to exchange ideas and promote research on critical areas related to the physical design of VLSI systems. All aspects of physical design, including its interactions with architecture, behavioral- and logic-level synthesis, and back-end performance analysis and verification are within the scope of the symposium. Target domains include semi-custom and full-custom IC's, regular fabrics, FPGA's, and systems-on-chip/systems-in-package. Following its twenty predecessors, the 2012 symposium will highlight key new directions and leading-edge theoretical and experimental contributions to the field. The ACM Press will publish accepted papers in the Symposium proceedings. Topics of interest include but are not limited to:

*Floorplanning and interconnect planning
Partitioning, placement and routing
Physical design for manufacturability and yield
Synthesis optimizations within physical design
Estimation and modeling
Timing and crosstalk issues in physical design
Special structures for clocking and power networks
Physical design for emerging process technologies*

*Interactions with behavior-level synthesis flows
Interactions with logic-level (re-)synthesis flows
Analysis and management of power dissipation
Management of design data and constraints
New physical design methodologies
New paradigms in physical design
Circuit performance measurements in a PD context
Multithreaded/distributed algorithms for physical design*

IMPORTANT DATES

Submission deadline
Acceptance notification
Camera-ready paper due

October 2, 2011

November 15, 2011

January 17, 2012

SUBMISSION OF PAPERS

All papers must be submitted electronically via <https://www.easychair.org/conferences/?conf=ispd2012>. Potential authors will be required to submit full-length, original, unpublished papers (a maximum of 8 pages in ACM conference format) along with an abstract of at most 200 words and contact author information (name, street/ mailing address, telephone/fax, e-mail). *Previously published papers or papers currently submitted for publication to other conferences/journals will not be considered. If one or more related papers have been previously published elsewhere or have been concurrently submitted elsewhere for publication, the authors should clearly state the differences between these papers and the current submission. All submitted papers will be under blind reviews, and thus they must not include name(s) or affiliation(s) of the author(s) anywhere in the manuscripts. Failure to comply with these requirements will result in automatic rejection.*

ISPD will recognize excellent contributions through a Best Paper Award.

SYMPOSIUM ORGANIZATION

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