

CALL FOR PAPERS – ISPD 2020

ACM International Symposium on Physical Design

with a tribute to Dr. Louis K. Scheffer

<http://www.ispd.cc>

March 29 – April 1, 2020

Taipei, Taiwan

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 ICs, ASICs, FPGAs, and systems-on-chip/systems-in-package. In 2020, the 29th 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. ISPD will recognize excellent contributions through a Best Paper Award. 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 system and logic level design

Analysis and management of power dissipation

Management of design data and constraints

New physical design methodologies

Physical design for FPGAs

Circuit analysis in a physical design context

Multi-threaded/distributed physical design algorithms

Hardware security related physical design

IMPORTANT DATES	Title and abstract submission deadline	September 30, 2019
	Full manuscript submission deadline	October 7, 2019
	Acceptance notification	November 11, 2019
	Camera-ready paper due	January 31, 2020

SUBMISSION OF PAPERS

All papers must be submitted electronically at <https://easychair.org/conferences/?conf=ispd2020>. Details will be posted on <http://www.ispd.cc>. Potential authors must submit full-length, original, unpublished papers (a maximum of 8 pages in ACM conference format) with an abstract up to 200 words and contact author information (name, mailing address, telephone/fax, e-mail). *Papers previously published or currently submitted for publication to other conferences/journals will not be considered. If related papers have been previously published or are currently submitted elsewhere for publication, the authors must clearly state the differences between these and the current submission. Submitted papers will be under blind review, so must not include names or affiliations of the authors anywhere in the manuscripts. Failure to comply with these requirements will result in automatic rejection.*

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