

CALL FOR PAPERS – ISPD 2022

ACM International Symposium on Physical Design

March 27-30, 2022 <http://www.ispd.cc/>

Banff, Alberta, Canada, and virtual participation across the world

Sponsored by ACM SIGDA with technical co-sponsorship from IEEE CEDA

The International Symposium on Physical Design provides a premier forum to exchange ideas and promote research on the physical design of VLSI systems. ISPD 2022 will feature state-of-the-art research from across the globe on traditional physical design topics related to ASIC and FPGA as well as emerging technologies in the area. For ISPD 2022, there will be a mix of in-person and virtual participation, with live video and recorded sessions for those connecting virtually. We will also pay tribute to Ricardo Reis (Federal University of Rio Grande do Sul, Brazil) for his instrumental impact on EDA research in South America and contributions to the physical design community.

Topics of interest include but are not limited to:

Floorplanning and interconnect planning	Physical design for emerging technologies such as 3D ICs
Partitioning, placement, and routing	Hardware security-related physical design
Clock and power networks	Interactions with system and logic level design
Timing and power estimation and modeling	Data management, multi-threaded/distributed algorithms
Design for manufacturability and yield	Circuit analysis in a physical design context
Physical synthesis	Machine learning for physical design

IMPORTANT DATES

Title and abstract submission deadline	October 1, 2021
Full manuscript submission deadline	October 8, 2021
Acceptance notification	November 12, 2021
Camera-ready paper due	January 31, 2022
Symposium	March 27-30, 2022

SUBMISSION OF PAPERS

All papers must be submitted electronically via <https://easychair.org/conferences/?conf=ispd2022>. Details will be posted on the website <http://www.ispd.cc>. Potential authors will be required to submit full-length, original, unpublished papers (a maximum of 8 pages in ACM conference format). The ACM Press will publish accepted papers in the symposium proceedings. ISPD recognizes excellent contributions with the Best Paper Award. Selected papers will be invited to submit the extended version of their work to a special issue journal.

Previously published papers or papers currently submitted for publication to other conferences/journals will not be considered. If related papers have been previously published or have been 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 review, and thus they must not include the name(s) or affiliation(s) of the author(s) anywhere in the manuscripts. Failure to comply with these requirements will result in an automatic rejection.

For ISPD 2022, we ask the authors to provide slides and videos of their presentation. These slides will be published on the ISPD website. The authors will retain the copyright for the slides. We will also video record the conference sessions and will put the sessions online for the conference attendees.

SYMPOSIUM ORGANIZATION

General Co-Chairs	Laleh Behjat (University of Calgary), Stephen Yang (Leda Technology)
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