

CALL FOR PAPERS – ISPD 2025

ACM International Symposium on Physical Design with a tribute to Professor Jason Cong

March 16-19, 2025, Austin, Texas, USA <https://ispd.cc/>

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

The International Symposium on Physical Design (ISPD) provides a premier forum to exchange ideas and promote innovative research in all aspects of physical design ranging from traditional topics for ASIC and FPGA designs to emerging technologies that impact physical design of integrated circuits (ICs). In 2025, ISPD will be held in Austin, Texas, USA. The 34th symposium will highlight key new directions and leading-edge theoretical and experimental contributions to the field.

Physical design topics of interest include but are not limited to:

Floorplanning and interconnect planning	Interactions with system and logic level design
Partitioning, placement, and routing	Timing and power estimation, modeling, and optimization
Clock and power networks	Circuit analysis and optimization in a physical design context
Post layout and post-silicon optimization	Data management, multi-threaded/distributed algorithms
Design for manufacturability and yield	Hot topics such as machine learning and hardware security
Physical synthesis	3D ICs, quantum circuits, and other emerging technologies

IMPORTANT DATES

Title and abstract submission deadline	September 22, 2024
Full manuscript submission deadline	September 29, 2024
Acceptance notification	November 6, 2024
Camera-ready paper and speaker registration due	January 8, 2025
Symposium	March 16-19, 2025

SUBMISSION OF PAPERS

All papers must be submitted electronically via <https://easychair.org/conferences/?conf=ispd25>. Details will be posted on the ISPD website, <https://ispd.cc/>. Authors must submit full-length, original papers, with a maximum of 8 pages using the ACM template, <https://www.acm.org/publications/proceedings-template>, in PDF format. Failure to comply with the page length limit, format, or the requirements below will result in the paper being rejected.

Previously published papers or papers currently submitted for publication elsewhere will not be considered. If related papers have been published or submitted elsewhere, clearly state the differences in the current submission.

All submitted papers will be under blind review. They must not include the names or affiliations of the authors in the paper, abstract, or in the embedded PDF data. References to the authors' works must be in the third person.

Papers with open-source software (e.g., on GitHub) are highly encouraged, but please do not include a direct link to the non-anonymized software in your submission, instead indicate the open-source contribution in the text.

The symposium proceedings will be published in the ACM Digital Library. ISPD recognizes excellent contributions with a Best Paper Award, selected from among the submitted papers. There is a US\$1,000 award for the best paper, and a US\$500 award for best paper nominees.

One speaker per accepted paper must register for ISPD 2025, provide slides and video of their presentation, and attend live discussions in Austin, Texas, USA. The slides will be published on the ISPD website. The authors will retain the copyright for the slides and video, which will be posted on a private YouTube channel for ISPD 2025.

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