

ACM/IEEE INTERNATIONAL SYMPOSIUM ON LOW POWER
ELECTRONICS AND DESIGN

20th International Low Power Design Contest

Boston, MA, USA, August 10–12, 2020

www.islped.org

Submission Deadline: 11:59PM PST, **May 22, 2020**

The International Symposium on Low Power Electronics and Design (ISLPED) is holding the International Low Power Design Contest to provide a forum for universities *and industry* to showcase original "power-aware" designs and system solutions to highlight the design innovations targeting power and energy-efficiency improvement. The goal is to encourage and highlight design-oriented approaches for power reduction.

The best designs will be selected and invited for presentations at ISLPED 2020. Selected designs are invited to join the on-site final contest. A special session at the symposium will be devoted to the Low Power Design Contest and the on-site demonstrations will take place during the Industry Reception on the first day of the conference.

The first author of a design contest demo can apply for travel grants that provide a 50% discounted registration fee. (Note that regular ISLPED papers still require at least one full registration per paper). Awards will be given for the best designs and demonstrations from industry and academia based on the on-site demonstration and presentation.

The deadline for submissions is **11:59PM PST, May 22, 2020**. The manuscript (without a cover page, see the submission guideline) should be submitted electronically via the ISLPED submission website, and a cover page (in a separate PDF file) should be submitted to the design contest co-chairs via email. Acceptance and rejection notices will be emailed to the contact author by June 12, 2020.

Design Contest Co-Chairs:

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ACM/IEEE International Symposium on Low Power Electronics and Design Homepage:

<http://www.islped.org>

CONTEST SUBMISSION GUIDELINES

- Submissions of **original designs developed at universities OR in industry are invited**. Designs submitted to previous ISLPED Design Contests are not eligible. Designs that have already received an award in other contests can be submitted but are no more eligible for the ISLPED design contest award. Designs related to the regular papers submitted to ISLPED 2020 or published in other conferences after **January 1, 2017** are also welcome. In such a case, the authors must **include a corresponding reference in the demo proposal**.
- A 2-page demo proposal is required and must be submitted prior to the deadline. The demo proposal should follow the format of a regular ISLPED conference paper and contain the title of the project, a 60-word abstract and a description of the design. The demo proposal will be distributed to the attendees of the conference. Refer to the following link for the paper template in MS Word or LateX format:
<https://www.acm.org/publications/proceedings-template>
- Each submission **should include a cover page** in a separate PDF file including:
 1. Name, affiliation and address of each author;
 2. A designated presenter, should the entry be accepted;
 3. A statement on whether a related paper was also submitted to this year's ISLPED as a regular submission or was published before;
 4. The following statement: "All appropriate organizational approvals for the publication of this paper have been obtained. If accepted, the author(s) will select a speaker to present and demo the design at the Symposium."
 5. Corresponding author, including his/her telephone number, fax number, email address, and **his/her signature**.The cover page needs to be sent to the email address of the Design Contest co-chairs.
- Submissions may contain but are not limited to proof-of-implementation in the form of silicon chip, board or system photographs and software etc. An entry purely focusing on optimization techniques/algorithms/tools/simulations is not suitable for the contest. The submission should clarify the originality, distinguishing features, and the measured performance metrics of the design. The power targets of the design, the design choices related to power, and the specific optimizations, techniques and tradeoffs used to reduce power need to be highlighted.
- Selected designs will be briefly presented at the Symposium in a **special session**. **An on-site demonstration is also mandatory**, and the **final design contest award** will be selected based on the demonstration and the presentation. The 2-page description of accepted demos will not be published in the ISLPED conference proceedings so that the authors can re-submit the related papers to other conferences. Yet, the demo description will be distributed to the attendees of the conference unless explicitly requested otherwise by the authors.