

ACM/IEEE INTERNATIONAL SYMPOSIUM ON LOW POWER
ELECTRONICS AND DESIGN

22nd International Low Power Design Contest

Boston, MA, USA (Hybrid), Aug 1–3, 2022

www.islped.org

Submission Deadline: 11:59PM PST, May 18, 2022

The International Symposium on Low Power Electronics and Design (ISLPED) is holding the International Low Power Design Contest to provide a forum for showcasing design approaches and system solutions targeting power and energy-efficiency improvements. The goal is to encourage innovative design-oriented approaches for power reduction from universities and industry.

The best power-aware designs will be invited for presentations at ISLPED 2022 in a special session devoted to the Low Power Design Contest at the conference. The authors of selected designs will present the demo in-person. However, if in-person demo is not feasible due to visa or COVID-related restrictions, an on-line live demo presentation option will also be provided.

The first author of each selected design will be eligible for a 50% registration fee discount (Note that regular ISLPED papers still require at least one full registration per paper. Awards will be given for the best design based on the quality of the live demonstration and presentation.

The deadline for submissions is **May 18, 2022 at 11:59pm PST**. The manuscript (without a cover page, see the submission guidelines) should be submitted electronically via the ISLPED submission website <https://www.softconf.com/m/islped2022/>, 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 20, 2022.

Design Contest Co-Chairs:

Kapil Dev

Email: kdev@nvidia.com

Nvidia Corporation, USA

Marco Donato

Email: marco.donato@tufts.edu

Tufts University, USA

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 not eligible for the ISLPED design contest award. Designs related to the regular papers submitted to ISLPED 2022 or published in other conferences after **January 1, 2019** are also welcome. In such a case, the authors must **include a reference to the corresponding paper in the demo proposal**.
- A 2-page demo proposal is required and must be submitted prior to the deadline. **Designs completed prior to January 1, 2019 are not eligible**. 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 affiliation, telephone number, email address, and **his/her signature**.

The cover page needs to be sent to the email addresses 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 power and performance metrics of the design. The power targets of the design and the design choices, 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 in-person or on-line (Zoom-video) demonstration during the conference 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.