

20th

IEEE COMPUTER SOCIETY ANNUAL SYMPOSIUM ON VLSI

Call for Research Demos and Late Breaking Results

www.ieee-isvlsi.org

ISVLSI 2022



IEEE computer society

Technical Committee
on
VLSI

July 4 – 6, 2022
Aliathon Resort,
Pafos, CYPRUS



The 2022 Symposium, explores emerging trends and novel ideas and concepts covering a broad range of topics in the area of VLSI: from VLSI circuits, systems and design methods, to system level design issues, to bringing VLSI design to new areas and technologies such as nano- and molecular devices, security, artificial intelligence, and Internet-of-Things, etc. Future design methodologies and new EDA tools are also a key topic at the Symposium. Over three decades the Symposium has been a unique forum promoting multidisciplinary research and new visionary approaches in the area of VLSI, bringing together leading scientists and researchers from academia and industry. The ISVLSI proceedings will be indexed in the IEEE Xplore Digital Library. Selected high quality papers will be further invited for submission to a journal special issue. The Symposium has established a reputation in bringing together well-known international scientists as invited speakers, and the 20th edition could not have been the exception!

Call for Research Demos and Late Breaking Results

The IEEE Computer Society Annual Symposium on VLSI invites authors to submit research demonstration proposals to the Research Demo Session (RDS). In the RDS, authors can present live demonstrations and hardware prototypes of their research papers and projects. The research demo submission should be a short paper between one to two pages, written with the IEEE template in double column format, and must contain the following information:

- Title, Authors and Affiliations
- Abstract
- Introduction and Motivation
- Proposed Design including experiment results
- Conclusions/References

The conference is also accepting papers on the latest novel results relevant to the technical areas of this conference. All such papers should be submitted to the Late Breaking Results track. When submitting, indicate, as a keyword, the topic area addressed by referring to one of the track designations as listed in the original call for papers. All submissions will be rigorously peer reviewed.

Submission Guidelines:

The submission needs to be done using the online system, and they will be reviewed. The accepted submissions will be published in the proceedings in a special track. The idea is the following: it is a paper, but the form of presentation is not oral, not poster, but demo. A best research demo award will be given based on the quality of the research, demo, and the presentation, and it will be presented during the conference banquet.

The research demo submission will receive a maximum of 2 pages in the proceedings. If accepted, the paper will appear in the proceedings under the RDS track. For Late Breaking Results, the manuscript as a single PDF up to 4 pages is to be submitted.

Submission Site: <https://edas.info/index.php?c=29107>

For additional information, please contact the Chairs of the Research Demo Session (RDS):

- Dr. Vasilis Pavlidis pavlidis@cs.man.ac.uk
- Dr. Mike Niemier mniemier@nd.edu
- Dr. Christos Bouganis christos-savvas.bouganis@imperial.ac.uk

Important Dates

Submission Deadline: ~~May 6th, 2022~~ **EXTENDED:** May 8th, 2022 (FINAL)

Selected papers from ISVLSI 2022 will be invited for submission to a journal special issue. The selection process is based on reviewer feedback and quality of conference presentation

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- Muhammad Shafique, NYU Abu Dhabi
- Hai (Helen) Li, Duke University

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