Call for IC DESIGN CONTEST

SMACD23

COMPETE for the $1000 AWARD and be on the HALL-OF-FAME

SMACD Conferences, the **2023 edition**, which will take place at Madeira Island from the 3rd to the 5th of July, will also hold event where M.Sc. and Ph.D. students can compete showing their best use of EDA methodologies to reach one unique yet challenging goal:

"ENHANCE INTEGRATED CIRCUITS AND SYSTEMS DESIGN"

HOW TO ENTER THE COMPETITION?

All participants must submit a paper (following the same **SMACD 2023 submission guidelines**) with a description on how the use of EDA methodologies were used to reach the IC design solution and on how decisive on pushing performance beyond the state-of-the-art. The layout of the circuit must be present and a prototype test is considered as an added value.

The first author of the submission and presenter at the conference must be a MSc or a PhD student!

EVALUATION CRITERIA

A Judging Committee will select the winner(s) based on the quality of the paper, the presentation at the conference and the Q&A during the special session, using the following criteria:

- **Complexity** of the problem posed in the paper
- Level of EDA support to reach the presented IC design, at least one of the topics below should have been part of the IC design process, e.g.:
    - (1) system-level sizing and optimization
    - (2) circuit-level sizing and optimization
    - (3) layout-aware sizing and optimization
    - (4) placement generation
    - (5) routing generation
    - (6) layout optimization
- **Robustness** of the design solution (e.g., against parasitics, variability, reliability, etc.)

TOPICS OF INTEREST

IC designs resulting or enhanced by EDA methodologies and tools related to all application topics of the SMACD23, e.g., AMS, RF and multidomain circuits, and, also, emerging devices.

IMPORTANT NOTES

- All accepted submissions in the IC Design Contest must be **presented by the students in special sessions at the conference** and **published in the conference proceedings**.
- Papers not accepted for the competition short-list event will still be considered by the technical program committee for the **SMACD 2023 regular sessions**.

IC DESIGN CONTEST CHAIRS

General Chair:
Nuno Horta, IT and University of Lisbon, PT
IC Design Contest Co-Chairs:
Jorge Fernandes, INESC-ID and ULisbon, PT
Marco Oliveira, Synopsys, PT

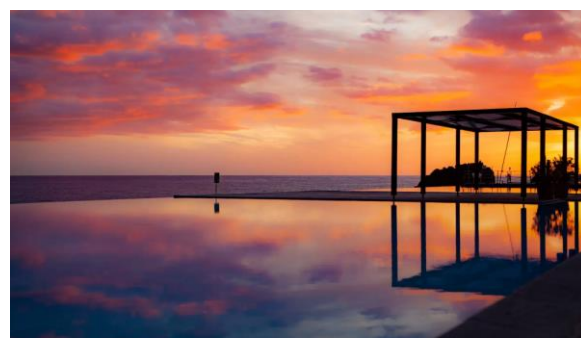## DATES

Submission Deadline .... **February 3rd, 2023**
Author Notification .... **March 17th, 2023**
Early Registration Deadline ...... **March 31st, 2023**

CONFERENCE VENUE

VidaMar Resort Hotel, Funchal, Madeira Island

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