Call for IC DESIGN CONTEST

SMACD23

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

For the first time in **SMACD Conferences**, the **2023 edition**, which will take place at Madeira Island from the 3rd to the 5th of July, will hold a thrilling and dynamic 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 SMACD 2023 submission guidelines) that fits into one or more of the following categories:

(1) Novel IC designs whose performances compete within the state-of-the-art of its research field (at least including Post-Layout simulations);

(2) ICs designs where at least one step of its development flow was partially (or fully) assisted by custom/academic Computer-Aided Design and/or Electronic Design Automation tools;

(3) IC designs clearly identifying one or more steps of the development flow that would greatly benefit from the development of new Computer-Aided Design and/or Electronic Design Automation tools.

The layout of the circuit must be present and a prototype test is considered 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:

(1) **Complexity** of the problem posed in the paper

(2) **Level of CAD/EDA support** to reach the presented IC design

(3) **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
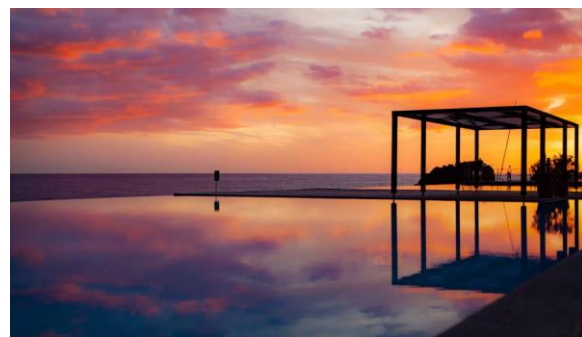Marco Oliveira, Synopsys, PT

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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