



SMACD23

Call for EDA COMPETITION

COMPETE for the \$1000 AWARD and JOIN the HALL-OF-FAME

As usual in **SMACD Conferences**, the **2023 edition**, which will take place at Madeira Island from the 3rd to the 5th of July, will also hold a thrilling and dynamic event where M.Sc. and Ph.D. students can compete with their



best ideas, methodologies, flows and tools with one unique yet challenging goal:



"ENHANCE DESIGN AUTOMATION FOR INTEGRATED CIRCUITS AND SYSTEMS"

HOW TO ENTER THE COMPETITION?

All participants must submit a paper (following the same SMACD 2023 submission guidelines) with a description of the methodology and/or tool, the design problem of their choice and the solution provided by their methodology and/or tool.

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, of its presentation at the conference and the live demonstration, using the following criteria:

- Complexity of the problem posed in the paper
- Level of automation (e.g., fully automated, user-assisted, etc.)
- Designer interface (e.g., problem setup, result analysis, etc.)
- Applicability of the proposal (e.g., general approach or restricted to special problems, circuit classes or sizes, etc.)
- Robustness of the design solutions (e.g., against parasitics, variability, etc.) and of the proposal itself (e.g. convergence, insensitivity to input and/or starting values, etc.)
- Integration degree with commercial design suites and design methodologies (e.g., import and export data from these suites, usability in one or more steps of current design flows, etc.)

TOPICS OF INTEREST

Methodologies and tools related to all topics of the SMACD23 conference (e.g., Synthesis, Sizing, Optimization, Modeling and Simulation of AMS, RF and multidomain circuits, ML and Cloud Computing EDA methodologies, EDA methodologies for Hardware Security and Emerging Devices, etc.)

SPONSORED BY



TÉCNICO
LISBOA



Instituto de
Microelectrónica
de Sevilla



IMMS



MADEIRA ISLANDS



IEEE

CONTACT: info@smacd-conference.org



IMPORTANT NOTES

- All accepted submissions in the competition must be presented by the students in special sessions at the conference and published in the conference proceedings.
- The presenters must perform a live demo of the methodologies and/or tool.
- SMACD organization guarantees internet connection to all participants, but required CAD tools or design kits licensing is in responsibility of each participant.
- Papers not accepted for the competition short-list event will still be considered by the technical program committee for the **SMACD 2023 regular sessions**.

DATES

Extended Submission Deadline **Feb 19th, 2023**
Author Notification March 17th, 2023
Early Registration Deadline March 31st, 2023

CONFERENCE VENUE

VidaMar Resort Hotel, Funchal, Madeira Island