

Call for Competition

Following recent editions of the SMACD Conference, **SMACD 2018** will hold an event where MSc and PhD students can compete with their best ideas, methodologies, flows and tools with one unique but challenging goal:

“Improving design automation for integrated circuits and systems”

A \$1,000 prize will be granted to the winner of the competition! Sponsored by IEEE CEDA.

To enter the competition

All participants must submit a paper (following the same SMACD 2018 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.

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, semi-automated, ...).
- Designer interface (e.g., problem setup, result analysis, ...).
- Applicability of the proposal (e.g., general approach or restricted to special problems, circuit classes or sizes, ...).
- 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, ...).
- Robustness of the design solutions (e.g., against parasitics, variability, ...) and of the proposal itself (e.g. convergence, insensitivity to input and/or starting values, ...).

Topics of interest include

Modeling, simulation and synthesis for analog, mixed-signal, RF, multidomain (such as MEMS, nanoelectronic, optoelectronic, biological).

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

Important Notes

- All accepted submissions in the competition will be presented by the students in a special session at the conference and published in the conference proceedings.
- The presenters are required to perform a live demo. SMACD organization guarantees internet connection to all participants but required CAD tools or design kits licensing is in responsibility of each participant.

Conference Venue

Faculty of Nuclear Sciences & Physical Engineering
Czech Technical University in Prague
Brehova 7, Prague 1, Czech Republic

Important Dates

Paper Submission Deadline..... 2nd March 2018
Author Notification..... 15th April 2018
Camera Ready Submission..... 30th April 2018
Early Registration..... 30th April 2018



SMACD2018 2-5 July 2018
Prague CZECH REPUBLIC