2018 ICCAD CAD Contest

CALL FOR PARTICIPATION (jpg | pdf | png)

The CAD Contest at ICCAD is a challenging, multi-month, research and development competition, focusing on advanced, real-world problems in the field of Electronic Design Automation (EDA). It is open to multi-person teams world-wide. Each year the organizing committee announce three challenging problems in different topic areas provided by industrial companies. Contestants can participate in one or more problems. The prizes will be awarded at an ICCAD special session dedicated to this contest.

Since its inaugural year of 2012, the CAD Contest at ICCAD has been attracting more than a hundred teams per year (112 teams from 12 regions in 2015, 135 teams from 11 regions in 2016, and 123 teams from 10 regions in 2017), fostering productive industry-academia collaborations, and leading to hundreds of publications in top-tier conferences and journals. The contest undoubtedly boosts EDA research and keeps enhancing its impact.

Contest Problems

Problem A	Smart EC: Program-Building for Name Mapping *(Cadence Design Systems, Inc.)*	
Problem B	Obstacle-Aware On-Track Bus Routing *(Synopsys Taiwan Co., Ltd.)*	
Problem C	Timing-Aware Fill Insertion *(Synopsys, Inc.)*	

Tentative Schedule

Contest starts!	February 5, 2018
Registration begins.	March 15, 2018
Registration ends.	May 11, 2018
Alpha test submission	June 22, 2018
Beta test submission	July 27, 2018
Final submission	August 31, 2018
Award ceremony	November 2018 (at ICCAD)

Awards for each Problem

1st Place Award	NTD 50,000 / team (approx. US$ 1,650) Certificate / person
2nd Place Award	NTD 30,000 / team (approx. US$ 1,000) Certificate / person
3rd Place Award	NTD 30,000 / team (approx. US$ 1,000) Certificate / person
Honorable Mentions	Certificate / person

Important Notice

» The recipients of monetary awards must be students.
» The amount of monetary awards in US dollars may change due to currency fluctuation.
» According to the Law of Taiwan, 10% of the monetary award will be deducted if the recipient is a Taiwanese taxpayer, whereas it is 20% if

the recipient is a non-Taiwanese taxpayer.
- » We reserve the right to adjust the numbers of prize winners and honorable mentions.

Organizing Committee

Contest Chair	Mark Po-Hung Lin *National Chung Cheng University*, Taiwan
Contest Co-chairs	Ing-Chao Lin *National Cheng Kung University*, Taiwan
	Shigetoshi Nakatake *The University of Kitakyushu*, Japan
	Ulf Schlichtmann *Technical University of Munich*, Germany
Topic Chairs	Chi-An (Rocky) Wu, Ching-Yi Huang, and Chih-Jen (Jacky) Hsu *Cadence Design Systems, Inc.*
	About Liao, Hua-Yu Chang, Owen Chi, and Jane Wang *Synopsys Taiwan Co., Ltd.*
	Bo Yang *Synopsys, Inc.*