IEEE/ACM ICCAD 2012 INTERNATIONAL CONFERENCE ON COMPUTER-AIDED DESIGN

IC/CAD Contest

2012 CAD Contest at ICCAD

MINISTRY OF EDUCATION 教育部

IEEE CEDA
IEEE Council on Electronic Design Automation

2012 CAD Contest at ICCAD

Contributor	Title
Cadence Hwei-Tseng Wang	Finding the Minimal Logic Difference for Functional ECO
IBM Natarajan Viswanathan	Design Hierarchy Aware Routability-Driven Placement
Mentor Graphics Andres Torres	Fuzzy Pattern Matching for Physical Verification

Contest Chairs: Yih-Lang Li, Zhuo Li, Iris Hui-Ru Jiang

P1:

Finding the Minimal Logic Difference for Functional ECO

Jane Wang

Cadence Design Systems, Inc.

3rd Place Winner

cada042: dvlab

Ling-Ya Ni, Chien-Yu Lai, Kuan-Chang Wang,
Chen-Kai Chu, and Prof. Chung-Yang (Ric) Huang

National Taiwan University

2nd Place Winner

cada029: TTLABNOONE

Kuang-Hung Chang, Hui-Ling Ting,
Hui-Min Yang, and Prof. TingTing Hwang

National Tsing Hua University

1st Place Winner

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cada022: **HillWalker**

Xing Wei, Yi Diao,
Tak-Kei Lam, and Prof. Yu-Liang Wu

The Chinese University of Hong Kong

P2:

Design Hierarchy Aware Routability-Driven Placement

Natarajan Viswanathan

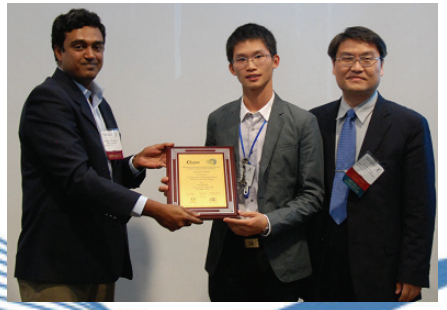
IBM Corp.

3rd Place Winner

cada028: NTUplace4h

Yi-Fang Chen, Chau-Chin Huang,
and Prof. Yao-Wen Chang

National Taiwan University



2nd Place Winner

cada009: RippleCUHK

Xu He, Tao Huang, Wing-Kai Chow,
Ka-Chun Lam, and Prof. Evangeline F.Y. Young

The Chinese University of Hong Kong

1st Place Winner

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cada011: SimPLR

Myung-Chul Kim, Jin Hu,
and Prof. Igor L. Markov

The University of Michigan

P3:

Fuzzy Pattern Matching for Physical Verification

Andres Torres

Mentor Graphics Corp.

3rd Place Winner

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cada031: **Extinguisher**

Chi-Yuan Liu, Sheng-Yen Chen,
Iou-Jen Liu, and Prof. Yao-Wen Chang

National Taiwan University

2nd Place Winner

cada040: UTDetector

Bei Yu, Jhih-Rong Gao,
and Prof. David Z. Pan

The University of Texas at Austin

IEEE/ACM ICCAD 2012 INTERNATIONAL CONFERENCE ON COMPUTER-AIDED DESIGN

1st Place Winner

cada021: Iris' Excalibur

Geng-He Lin and Yen-Ting Yu

National Chiao Tung University