



## 2014 CAD Contest at ICCAD

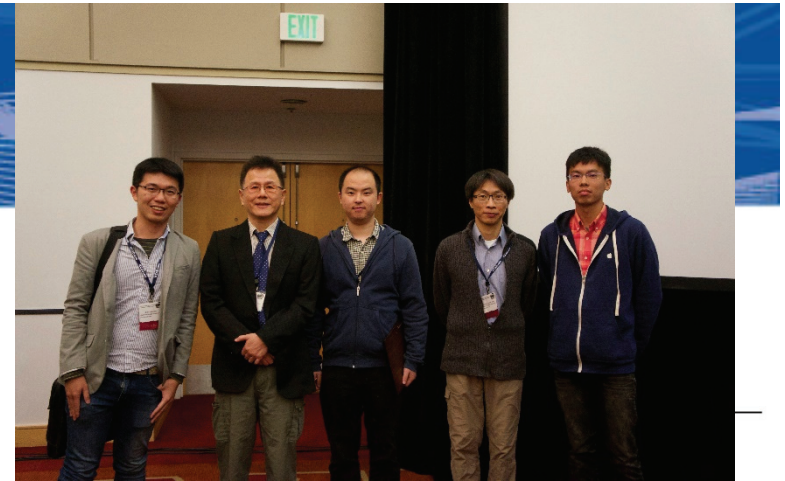




Contributor	Title
Cadence Jacky Chih-Jen Hsu	Simultaneous CNF Encoder Optimization with SAT Solver Setting Selection
IBM Myung-Chul Kim & Jin Hu	Incremental Timing-Driven Placement
IBM Rasit O. Topaloglu	Design for Manufacturability Flow for Advanced Semiconductor Nodes

**Contest Chairs:** Iris Hui-Ru Jiang, Natarajan Viswanathan, Tai-Chen Chen, and Jin-Fu Li





**P1:**

# **Simultaneous CNF Encoder Optimization with SAT Solver Setting Selection**

**Jacky Chih-Jen Hsu**

**Taiwan Cadence Design Systems, Inc.**





# 3<sup>rd</sup> Place Winner

## **cada102: Troller Coaster**

Tsung-Ju Lii, Ming-Jen Yang, Jenny Chu,  
and Prof. Chung-Yang Ric Huang

**National Taiwan University**



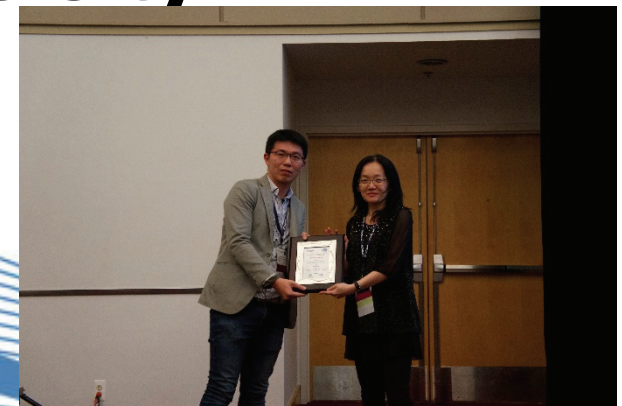


# 2<sup>nd</sup> Place Winner

## cada002: **AlcomSAT**

Shin-Yann Ho, Shuo-Ren Lin, Ko-Lung Yuan,  
and Prof. Jie-Hong Roland Jiang

### **National Taiwan University**





# 1<sup>st</sup> Place Winner

**cada076: EasySat**

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

**The Chinese University of Hong Kong**





**P2:**

# **Incremental Timing-driven Placement**

**Myung-Chul Kim & Jin Hu**  
**IBM Corp.**





3rd Place Winner



cada075: **CUHK-IIP**

Ka-Chun Lam, Wing-Kai Chow, Jian Kuang,  
Wenzan Cai, Zhiqing Liu,  
and Prof. Evangeline F.Y. Young

**The Chinese University of Hong Kong**





# 2<sup>nd</sup> Place Winner



**cada019: VDA-TP**

Wei-Chen Wu, Sheng-Te Hu, Chun-Kai Wang,  
Wan-Ning Wu, Sean Shih-Ying Liu,  
and Prof. Hung-Ming Chen

**National Chiao Tung University**



**1st Place Winner**



**cada110: UFRGS/FURG BRAZIL**

Jucemar Monteiro, Guilherme Flach, Julia Casarin Puget,  
Mateus Paiva Fogaca, Prof. Paulo Francisco Butzen,  
and Prof. Marcelo de Oliveira Johann

**Universidade Federal do Rio Grande do Sul**



**P3:**

# **Design for Manufacturability Flow for Advanced Semiconductor Nodes**

**Rasit O. Topaloglu**

**IBM Corp.**





# 3rd Place Winner



**cada012: NCTU\_EDALI**

Bo-Shung Wang, Sin-Ye Hsieh,  
and Prof. Yih-Lang Li

**National Chiao Tung University**



# 2<sup>nd</sup> Place Winner

**cada051: hululululu**

Yun-Chih Kuo and Tung-Yuan Lee

**National Central University**





# 1<sup>st</sup> Place Winner

**cada064: number2**

Yen-Chun Liu, Chih-Ming Chang,  
and Prof. Jwu-E Chen

**National Central University**

