



2015 SIGDA CADathlon

CADathlon Organizers



Myung-Chul Kim,
IBM



Luis Bathen,
Intel



Jingtong Hu,
Oklahoma State Univ.





2015 SIGDA CADAthlon

13 teams registered!





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Problem 1: Analysis & Circuit Design

- ❑ **Contributed by: Jingtong Hu (Oklahoma Univ.)**
- ❑ *Overview: Optimal PV Groups and Cells to Maximize Total Power Generation*

Problem 2: Physical Design

- ❑ **Contributed by: Oliver Keszocze (Univ. of Bremen)Jingtong Hu (OSU)**
- ❑ *Overview: Exact Routing for Digital Microfluidic Biochips with Temporary Blockages*

Problem 3: Logic & High-Level Synthesis

- ❑ **Contributed by: Myung-Chul Kim (IBM)**
- ❑ *Overview: Truth Table Manipulation by Boolean Functions*





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Problem 4: System Design and Analysis

- ❑ **Contributed by: Luis(Danny) Bathen (Intel)**
- ❑ *Overview: Scratchpad Memory Allocation*

Problem 5: Functional Verification

- ❑ **Contributed by: Myung-Chul Kim (IBM)**
- ❑ *Overview: BDD Manipulation and State Equivalence*

Problem 6: Bio EDA

- ❑ **Contributed by: Luis (Danny) Bathen (Intel)**
- ❑ *Overview: DNA Sequencing*





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Winners!

1st place:

- Team - westdoorQAQ
- **Ming-Jen Yang & Li-Wei Wang**
National Chiao Tung University
Advisor: Chung-Yang (Ric) Huang

Another 1st place:

- Team - Nice Boat
- **Cheng-Han Yang & Yen-Chun Fang**
National Taiwan University
Advisor: Chung-Yang (Ric) Huang





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Ranks	Affiliation
1	National Chiao Tung University
	National Chiao Tung University
3	Univ. of Illinois Urbana Champaign
	University of Texas Austin
5	National Taiwan University

