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2017

1 Team OALLIIM:

Tai-Chia Huang, Shiue-Mei Sun, Yun-Hsuan Lu, Department of Industrial & Information Management, National

Cheng Kung University, Taiwan

Team TCS:

Harshad Khadilkar, Sudhir Kumar Sinha, Shripad Salsingikar, Tata Consultancy Services, Mumbai, India

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2016

Team 2.7.2: François Galea, Sergiu Carpov, Loïc Cudennec, CEA, France

2 Team NCKU: I-Lin Wang, Fu-Yuan Cheng, Sih-Han Fang, National Cheng Kung University, Taiwan

3 Team Railsmart: Bisheng He, Yadong Liu, Yongxiang Zhang, Southwest Jiaotong University, China

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2015

Finalists (in alphabetic order)

IRA Group, Negin Alemazkoor, Conrad Ruppert, Hadi Meidani; University of Illinois at Urbana-Champaign, US

TCS Explorers: Sadir Kumar Sinha, Sumit Raut, Harshad Kadilkar; Tata Consultancy Services, India

Uniandes Team of Stochastic Optimization- UTSO Iván Cárdenas Gallo, Carlos Sarmiento Cardona, Gilberto Morales Zamora; Universidad

de los Andes, Bogotá, Colombia

Honorable Mention

Given the high quality and innovativeness of work, we are also recognizing the following team with a honorable mention:

Tunisian Team/VNP: Souhir Elleuc, Bassem Jarboui, Nenad Mladenovic; Sfax university, Tunisia and Valenciennes, France

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2014

Finalists

Team “DTU”: Richard Martin Lusby, Jørgen Thorlund Haahr, Technical University of Denmark, Lyngby, Denmark

2 Team “NCKU”: I-Lin Wang, Ping-Cheng Lin, Tsai-Ti Huang, National Cheng Kung University, Tainan City, Taiwan

Team “The Dutch Smiths”: Paul Bouman, Joris Wagenaar, Lucas Veelenturf, Rotterdam School of Management Erasmus University,

Rotterdam, Netherlands

Honorable Mention

Given the high quality of work this year, we are also recognizing the following teams with honorable mentions :

Team “Bortor”: Torsten Klug, Boris Grimm, Zuse Institut, Berlin, Ger many

Team “TCSexplORers”: Sudhir Kumar Sinha, Shripad Salsingikar, Sumit Raut, Tata Consultancy Services, Mumbai, India

4 Team “Tom's”: Haichuan Tang, Southwest Jiaotong University, Sichuan, China

Team “University at Buffalo Operations”: Natalie Simpson, Ryan Hauser, University at Buffalo, NY, US

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2013

Hai Wang, Maokai Lin, Massachusetts Institute of Technology, USA

Jiangang Jin, Shanghai Jiao Tong University, China

2 Wenliang Zhou, Lianbo Deng, Zhao Zhou, School of Traffic and Transportation, Central South University, China

Setareh Borjian, Krishna Selvam, Massachusetts Institute of Technology, Cambridge, MA, USA

Honorable Mention

The following are the three honorable mentioned teams for the 2013 RAS Problem Competition.

4 I-Lin Wang, Wei Lee, Chiao-Yu Liao, National Cheng Kung University, Taiwan

Yihuan Shao, Lunce Fu, Tianyi Pan, University of Southern California, USA

Tianyi Pan, University of Florida, USA

Natalie Simpson, Ryan Hauser, University at Buffalo, NY, USA

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2012

Winners

1. First prize ($2000): Bamboo@Tsinghua

1 Chiwei Yan, Luyi Yang Department of Industrial Engineering, Tsinghua University, Beijing, China

Mixed-integer Programming Based Approaches for the Movement Planner Problem: Model, Heuristics and Decomposition

Mixed-integer Programming Based Approaches for the Movement Planner Problem: Model, Heuristics and Decomposition

2. Second Prize ($1000): MIMIC

Maurizio Boccia, Università del Sannio, Italy

Carlo Mannino, SINTEF ICT, Norway

Igor Vasiliev, Institute for System Dynamics and Control Theory of Siberian Branch of Russian Academy of Sciences

Solving the dispatching problem on multi-track territories by mixed integer linear programming

MIMIC

3. Third prize ($750): BoFraTor

Frank Fischer, Chemnitz University of Technology, Department of Mathematics, Chemnitz

Boris Grimm, Torsten Klug, Zuse Institute Berlin, Berlin

Movement Planner Algorithm Design For Dispatching On Multi-Track Territories

BoFraTor\_report

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2011

Koppa - Leonardo Lozano, Jaime E. Gonzalez And Andres L. Medaglia Universidad de Los Andes, Bogota, Colombia

 3 NCKU - I-Lin Wang, Hung-Yi Lee, and Yu-Ting Liang, National Cheng Kung University, Taiwan

 OR@UNIMI - Fabio Colombo, Roberto Cordone, Marco Trubian, Universita degli Studi di Milano, Italia

Honorable Mention

The judging panel also decided to recognize the high quality of work by the team   
4 RAIL-OPT (members Jian Gang Jin from National University

of Singapore and Jun Zhao from Southwest Jiaotong University, Chengdu , China).

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2010

The initial response exceeded our expectation by far. We received 89 team registrations from universities, companies, and consultants.

Finally, 31 teams from 12 countries submitted entries making it a truly international competition. The solution techniques used by participants

were varied; e.g., MIP, MIP with customized cuts, constraint programming, heuristic, and meta-heuristic methods. Several teams reported

near-optimal solutions. The judging panel was chaired by Juan Morales and included Erick Wikum, Carl VanDyke, Mike Gorman, and Yanfeng

Ouyang. The judging panel selected three finalists on the basis of solution quality, report and novelty and elegance of the formulation and solution

approach. Team EdRamsden proposes a creative heuristics that provides near optimal solution within seconds. Team HALOS applies a series of

valid inequalities and lagrangian relaxation approach that results in good performance. The team TAU-IE applies a series of insightful valid inequalities

that enable them to solve MIP to near optimality within few seconds.

4 NCKU-honorable mention