Robotic Grasping and Manipulation Competition

2019

Sponsored by CAINIAO SMART LOGISTICS NETWORK

Schedule

- November 3, Preparation and Dry-Run
- November 4, 2:30 pm - 4:30 pm, Logistics Track Competition
- November 5, 10:45 am - 12:15 pm, Service Track Competition
- November 5, 2:30 pm - 4:30 pm, Manufacturing Track Competition
- November 6, 9 am to 10:30 am, Room LG-R22, Wrap-up meeting

Teams

1. Cambridge Robotics, Service robot track
Team Leader: Dr. Josie Hughes (Cambridge University/MIT)
Members: Kieran Gilday (Cambridge University), Hugo Hadfield (Cambridge University), Michael Cheah (Cambridge University)

2. CASIA Cothink, Service robot track
Team Leader: Wenzhong Zhou
Members: Wei Li, JinYang, Lulu Niu, Jun Yan

3. CASIA-FEIFAN AI Team, Manufacturing track and Service track
Team Leader: Bin Hu
Members: Fuwei Zhong, Xiaodong Zhao, Meihua Zhao, Gang Xiong

4. CASIA WenjingCollege, Logistics track and manufacturing track
Team Leader: Zhigang Hou
Members: Haijun Fu, Xisong Dong, Zhen Shen, Xiuqin Shang

6. JAKS, logistics, service, and manufacturing tracks
Team Leader: Tokuo Tsuji (Kanazawa University)
Members: Testsuyou Watanabe (Kanazawa University), Yousuke Suzuki (Kanazawa University), Kimitoshi Yamazaki (Shinshu University)

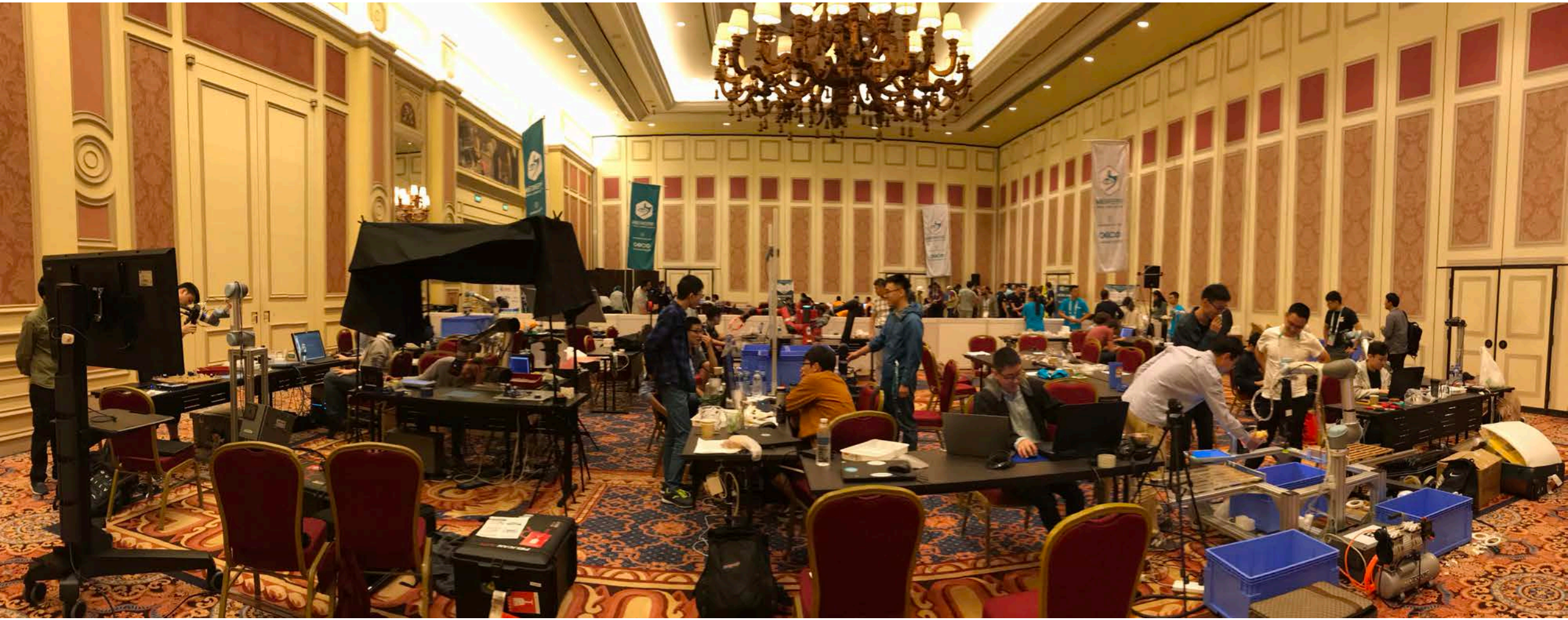
7. New Dexterity - Human Artificial Intelligence, logistics, service, and manufacturing tracks
Team Leader: Dr. Minas Liarokapis (University of Auckland, New Zealand)
Ruobing Yu, Anany Dwivedi, Geng Gao, Gal Gorjup (University of Auckland, New Zealand)

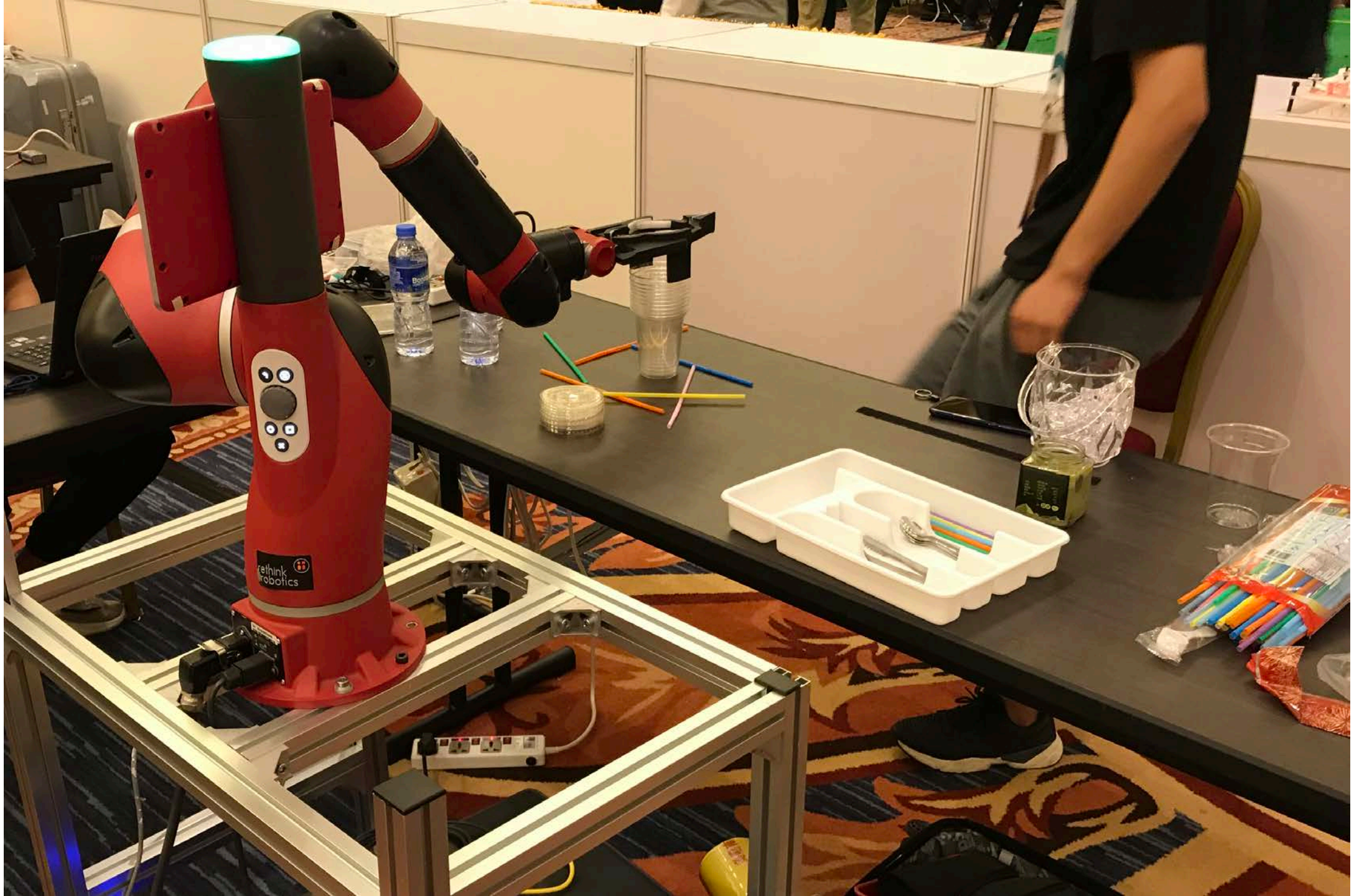
8. Robotic Materials, manufacturing track
Team Leader: James Watson (University of Colorado)
Member: Nikolaus Correll (University of Colorado and Robotic Materials Inc.)

9. SIAT-CIBS ROBOT, Logistics and service robot tracks
Team Leader: Jianghua Duan (Shenzhen Institutes of Advanced Technology)
Members: Prof. Yongsheng Ou, Guodong Liu, Yurui Wang, Hao Li, and Zhiyang Wang (Shenzhen Institutes of Advanced Technology)

10. THU-ROBOT, logistics and service robot tracks
Team Lead: Fuchun Sun (Tsinghua University)
Members: Huaping Liu, Bin Fang, Chao Yang, Mingxuan Jing (Tsinghua University)

Day 1 Preparation

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JAKS

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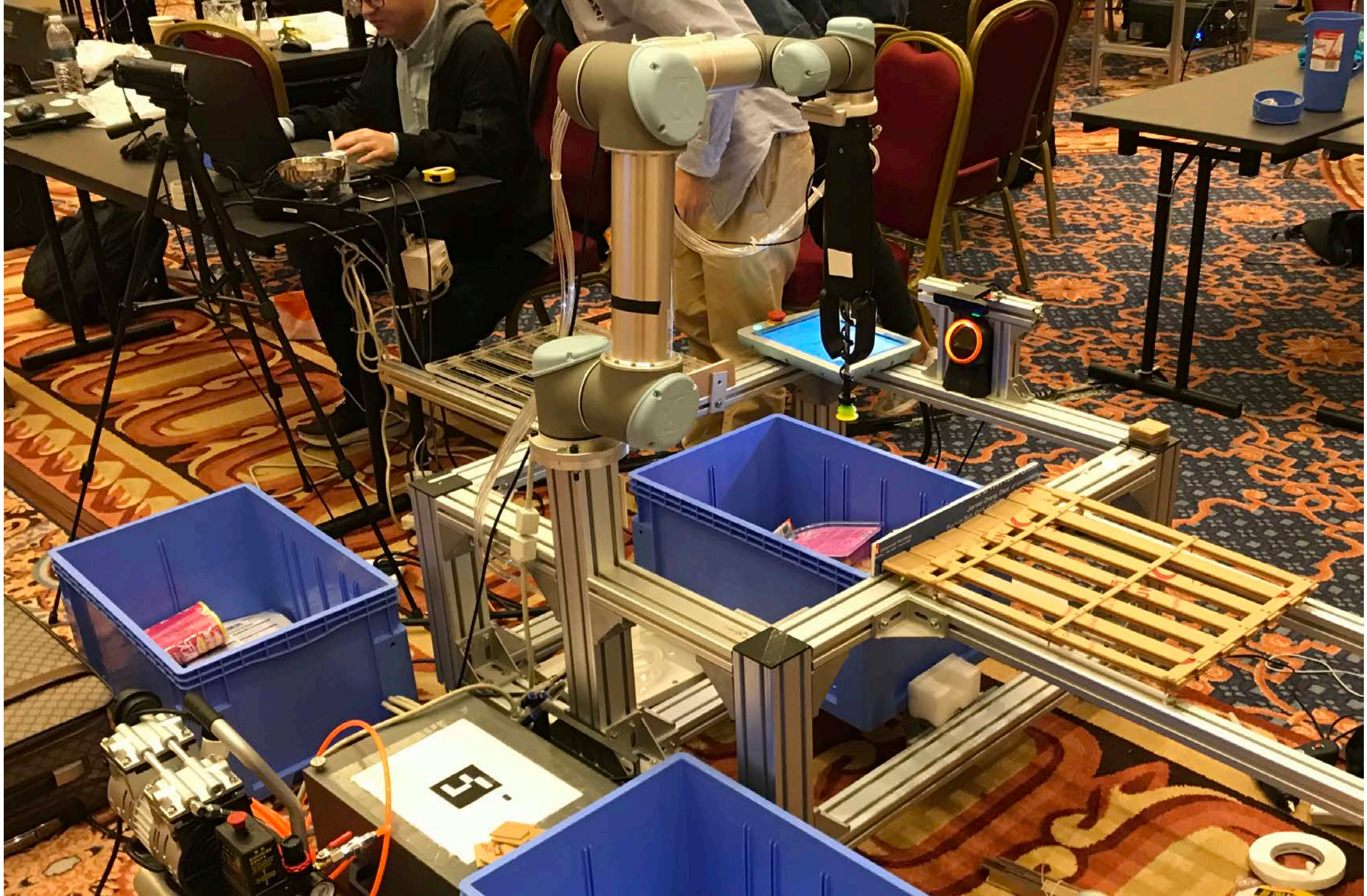
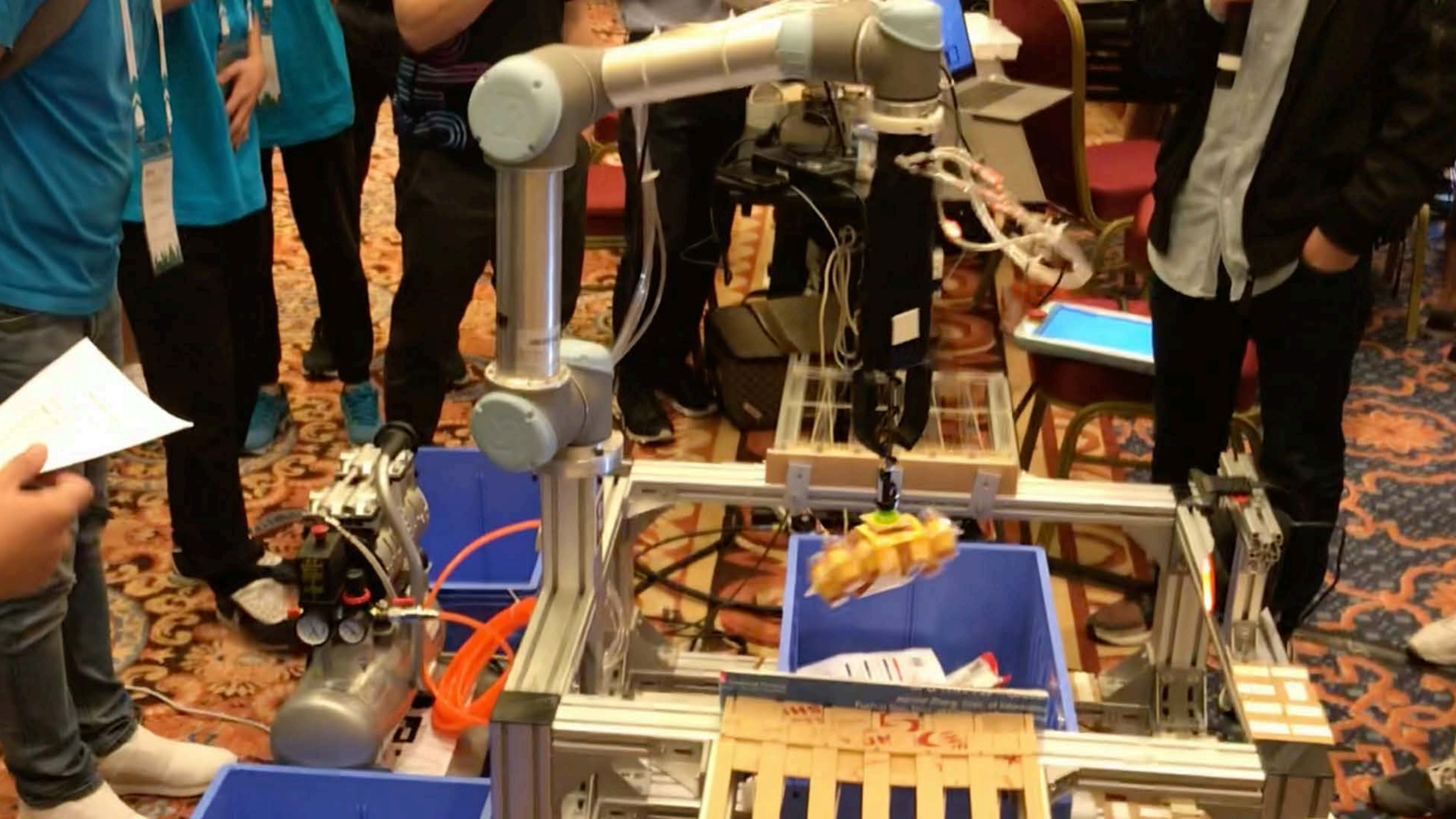


Logistics Track

- Picking 100 items from a bin and place them into two bins



talk

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Logistics Scores

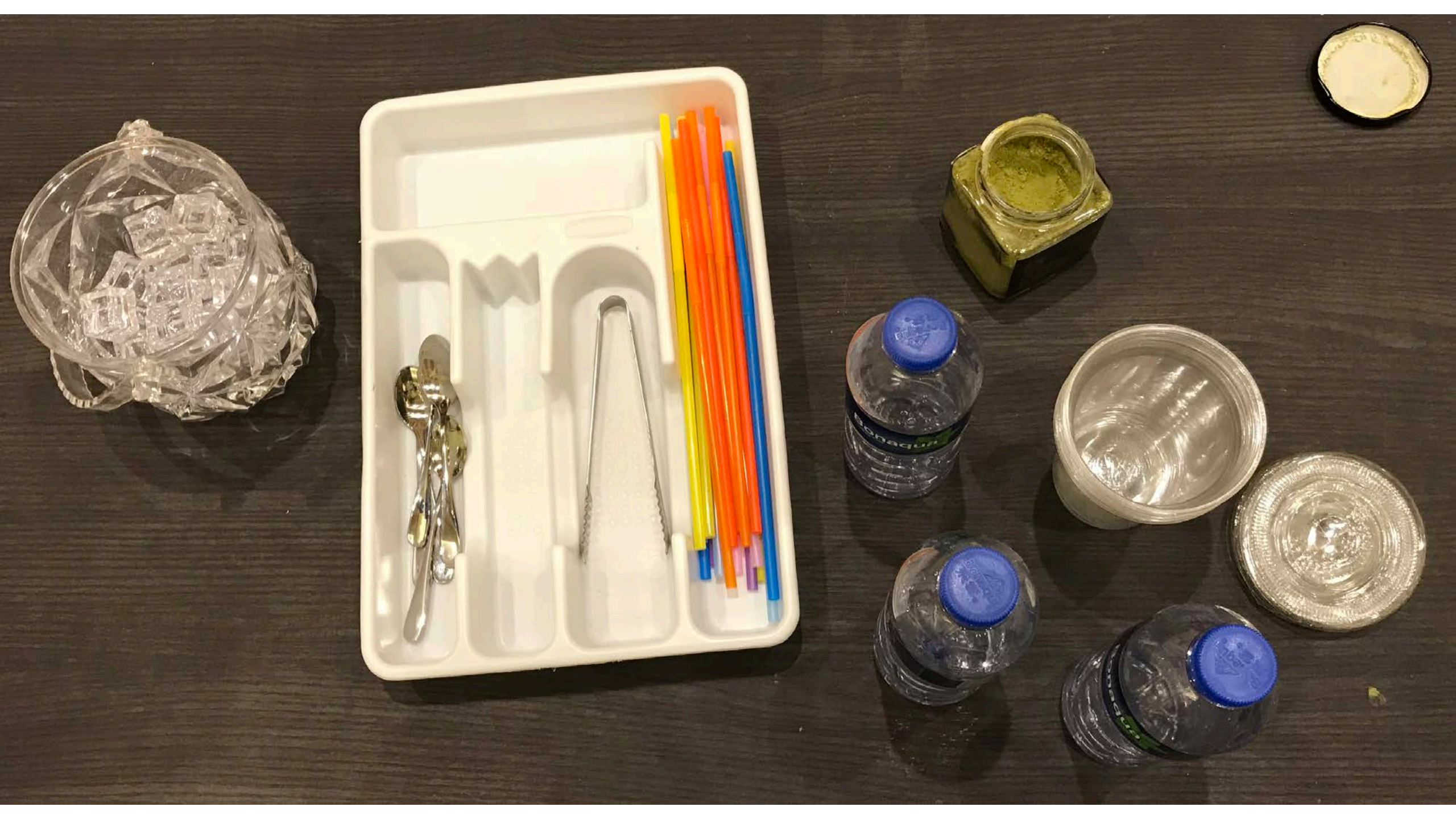
- Total 100 pts
- Tsinghua University – 7 pts
  - Total 19 picks
  - 7 right
  - 12 wrong
- JAKS – 5 pts
  - Total 7 picks
  - 5 right
  - 2 wrong
- SIAT-CIBS – 4 pts
  - Total 8 picks
  - 4 right
  - 4 wrong

Prizes

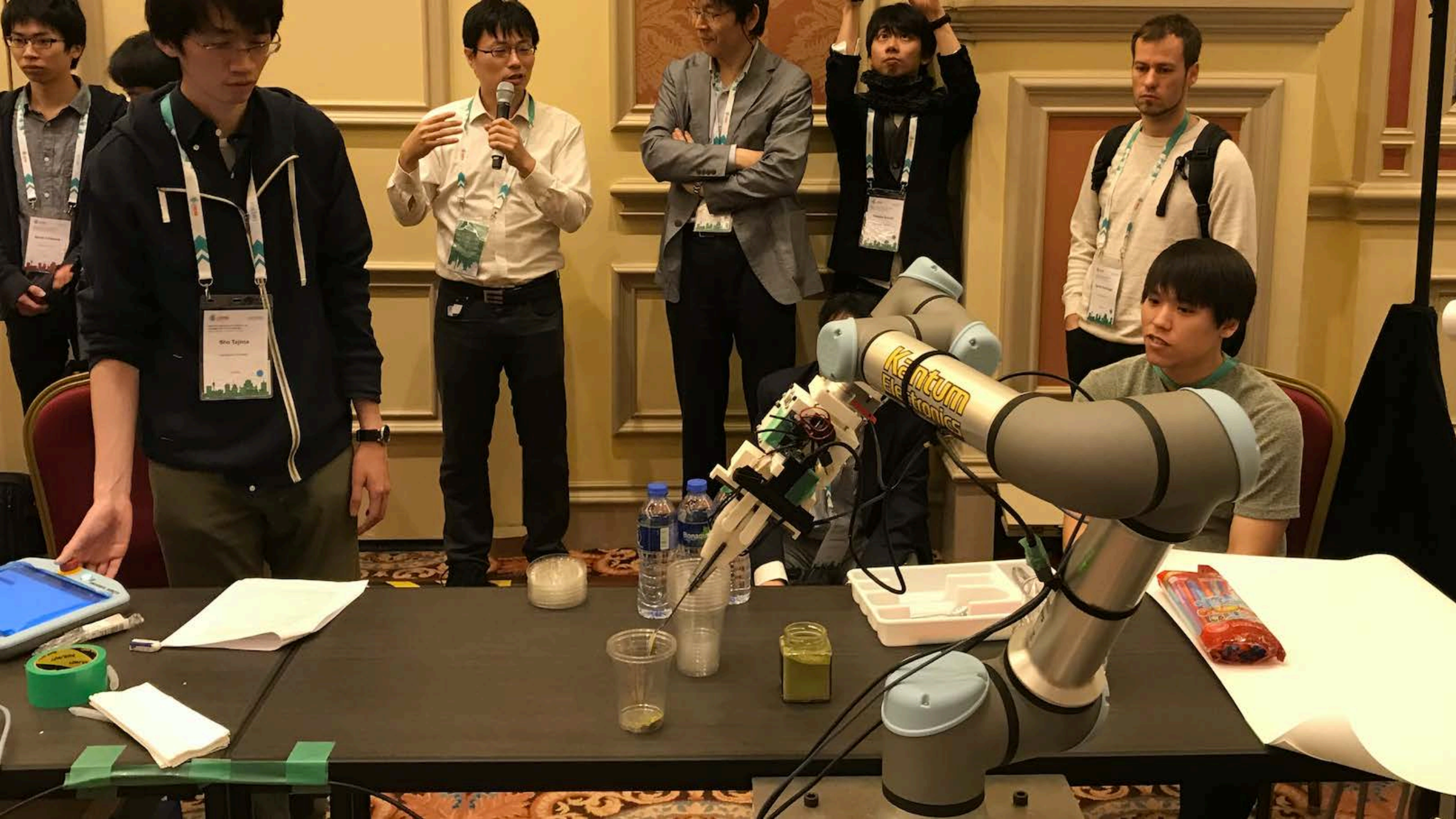
- First Prize: None
- Second Prize: Tsinghua University, $2,000
- Third Prize: JAKS, $1,000

Service Track

- Make five cups of iced matcha green tea



MINESWEEPERS
MACAU 2019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Service Scores

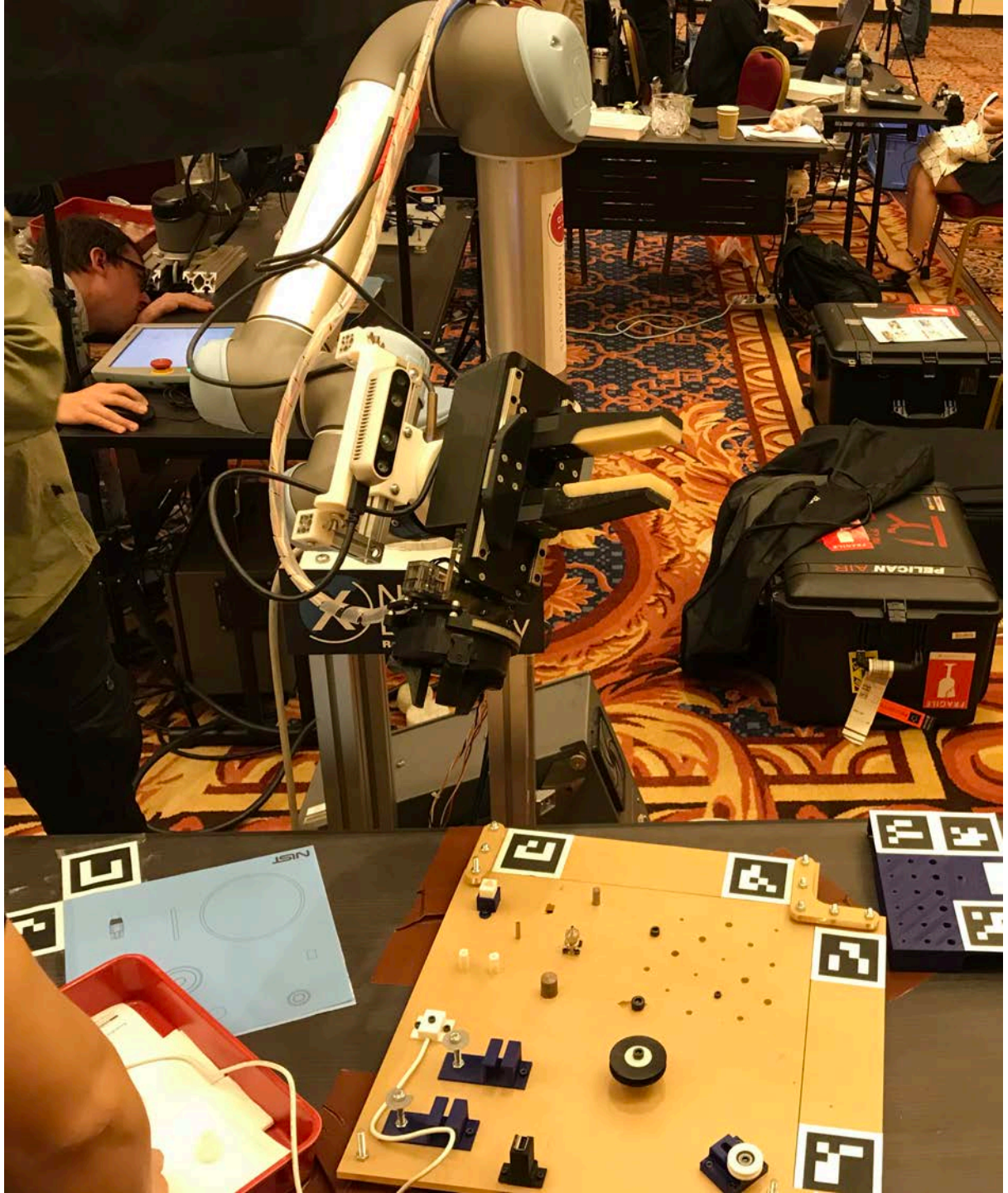
- Total 1,000 pts
- CASIA & Wenjing College – 515 pts, 58 mins
- Cambridge Robotics – 509 pts, 76 mins
- CASIA & Feifan AI – 430 pts, 60 mins
- Tsinghua University – 345 pts, 37 mins
- CIAT-CIBS Robot – 331 pts, 67 mins
- Jaks – 186 pts, 65 mins
- New Dexterity – 137 pts, 72 mins

Prizes

- First Prize: CASIA & Wenjing College, $3,000
- Second Prize: Cambridge Robotics, $1,500
- Third Prize: CASIA & Feifan AI, $500
- Honorary mentions:
  - Tsinghua University
  - CIAT-CIBS Robot

Manufacturing Track

- Assemble task boards



Prizes

- First Place: New Dexterity -$3,000
- Second Place: Robotic Material Inc - $1,500
- Third Place: JAKS - $500

Travel Award

- Robotic Materials (USA), $2,000
- Cambridge -- $2,000
- New Dexterity - Human Artificial Intelligence (New Zealand), $1,000