

The 22nd JUACEP Workshop

for the summer research course students from
Univ. Michigan, UCLA, Univ. Toronto

Date: Monday, August 27, 2018

Venue: NIC Conference Room (3rd floor, NIC)

10:00 Opening remarks

10:05 Presentations by 7 students

~12:00 (10 min. talk + 5 min. Q&A each)

12:00 Completion Ceremony

12:30 Farewell Banquet ... at chez Jiroud



052-789-2799 JUACEP Office



Presentation timetable

10:00 – 10:05 Opening address

10:05 – 10:20 (1) Petrus Verberne, Adviser: Prof. Y. Ju, *Micro-Nano Mechanical Science and Engineering*

“Investigating of Mechanical Properties of Functionalized CNT Sheet Films”

10:20 – 10:35 (2) Chenhui Zhou, Adviser: Prof. N. Usami, *Materials Process Engineering*

“Aluminum Induced Crystallization on STO Substrate”

10:35 – 10:50 (3) Fadi Rafeedi, Adviser: Prof. Y. Hasegawa, *Micro-Nano Mechanical Science and Engineering*

“Controlling Flower Stick Rotation using 3D Vision Feedback”

10:50 – 11:05 (4) Sida Li, Adviser: Assoc. Prof. K. Niitsu, *Electrical Engineering*

“Gate Leakage Based Timer Design for Biomedical Devices”

11:05 – 11:15 Break

11:15 – 11:30 (5) Ziming Song, Adviser: Assoc. Prof. T. Miwa, *Civil Engineering*

“Optimizing Rural Bus Network in Toyota City”

11:30 – 11:45 (6) Xuan Yang, Adviser: Prof. Y. Yamada, *Mechanical Systems Engineering*

“Evaluation of Gait Stability in the Use of a Wearable Walking Assist Device”

11:45 – 12:00 (7) Guanqun Yang, Adviser: Prof. Y. Yamada, *Mechanical Systems Engineering*

“Autonomous Motion Planning of a Mobile Robot by Use of Deep Reinforcement Learning for Fall Prevention in Hospital”