



Korea-Japan Workshop on Next Generation Robotics

Pusan National University, Busan, Korea

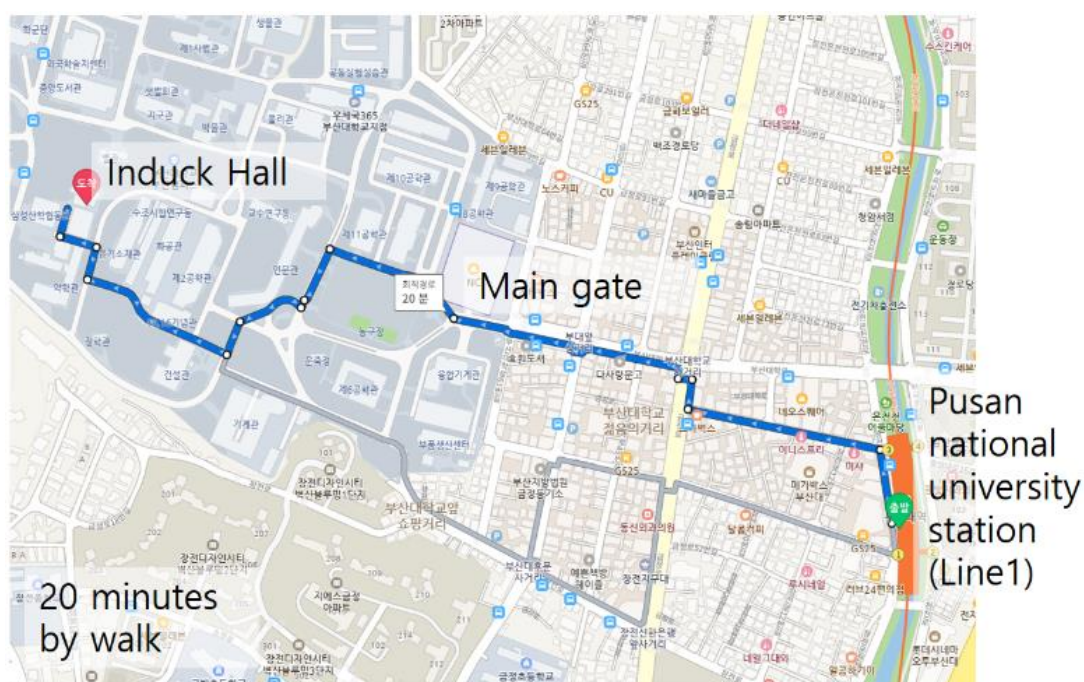
Dec. 21-23, 2018

Workshop Program at a Glance:

Dec. 21 (Fri)		Dec. 22 (Sat)		Dec. 23 (Sun)	
Time	Content	Time	Content	Time	Content
		08:50 ~ 11:50	Morning Sessions	09:00 ~ 11:10	Morning Sessions
		11:50 ~ 13:30	Lunch	11:10 ~ 12:00	Closing
16:00 ~ 18:00	Lab tour	13:30 ~ 17:10	Afternoon Sessions	12:00 ~ 13:00	Lunch
18:00 ~ 18:40	Transfer for dinner	17:10 ~ 19:00	Transfer to banquet place		
18:40 ~ 21:00	Welcome dinner	19:00 ~ 21:00	Banquet (Planning on Next Workshop)		

Venue:

- Induck hall(Bldg# 507), Pusan Nat'l University, Busan, Korea
(<https://goo.gl/maps/1qf3fHrLCWJ2>)
- Directions: <http://www.pusan.ac.kr/eng/CMS/Contents/Contents.do?mCode=MN053>



Registration

- Registration Fee: ₩300,000 (¥ 30,000)
- Methods of Payments: On-site registration with cash or credit card

Organizers

- Workshop organizing chairs:
Dr. Sungchul Kang (KIST), Prof. Hirata(Tohoku univ.)
- Workshop program chairs:
Prof. Seung Joon Yi(Busan nat'l univ.), Dr. Woosub Lee (KIST)

Accommodation:

- Hotel Nongshim (Near Pusan nat'l Univ.)
- Hotel homepage: <https://www.hotelnongshim.com/jap/>
- TEL: +82-51-550-2100
- Directions:

Subway

Take Subway Line No. 1 and get off at Oncheonjang station Use Exit 1 or 3 and proceed on foot (5-7 min. walk)

By air

Fly to Gimhae Airport → Board No. 307 direct bus → Mandeok Tunnel → Get off at Naeseong Rotary → Proceed by subway (from Dongnae station → Oncheonjang station), or take taxi to Hotel Nongshim



Contact

- Organizers
- Secretary
Ms. Mira Yoon (Workshop secretary/Officer, Korea Robotics Society, kros@kros.org)

Schedule:

- **Dec. 21st**
 - 16:00~18:00 Lab tour (Tentative, Departs from the Nongshim hotel lobby)
 - 18:00~18:40 Transfer for dinner (By bus)
 - 18:40~21:00 Welcome Dinner, Geumgang Sushi restaurant (금강횃집) (<https://goo.gl/maps/31g5x7JZtQn>, The 9th floor of the building)

• **Dec. 22nd**

Time	Speaker	Title
08:50 – 09:00	Yasuhisa Hirata & Sungchul Kang	Opening Remark
09:00 ~ 09:20	Hyouk Ryeol Choi (Sungkyunkwan University)	Field Sensing for Interactive Robotics
09:20 ~ 09:40	Kazuhiro Kosuge (Tohoku University)	Universal Manipulation for a Next Generation of Industrial Robots
09:40 ~ 10:00	Dongjun Lee (Seoul national university)	Finger-Based Haptic VR: Rendering, Device and Perception
10:00 ~ 10:20	Tokuo Tsuji (Kanazawa University)	Manipulation planning by learning human motions
10:20 ~ 10:30	Coffee break	
10:30 ~ 10:50	Toshio Fukuda (Meijyo University, Beijing Institute of Technology)	Micro and Nano-robotic Manipulation
10:50 ~ 11:10	Jae-Bok SONG (Korea university)	Model-based Torque Control for Collaborative Robots
11:10 ~ 11:30	Jaeheung Park (Seul national university)	Development of Robot Manipulator System for Cardiopulmonary Resuscitation
11:30 ~ 11:50	Takeshi Oishi (The University of Tokyo)	Cyber-Archaeology and Robotics
11:50 ~ 13:30	Lunch, Sangnam International House(Bldg# 209)	
13:30 ~ 13:50	Sungchul Kang (KIST)	MODMAN : Toward Easy and Smart Cobot with Modularity
13:50 ~ 14:10	Kenjiro Tadakuma (Tohoku University)	Robotic Mechanism Designs and the Practical Embodiments
14:10 ~ 14:30	Seung-Joon Yi (Pusan National University)	Modular Software Framework for Robotic Competitions
14:30 ~ 14:40	Coffee break	
14:40 ~ 15:00	Shunsuke KUDOH (The University of Electro-Communications)	Table-top Knotting Based on Learning from Observation
15:00 ~ 15:20	JongSuk Choi (KIST)	Development of Social Robot Intelligence for Social Human-Robot Interaction of Service Robot
15:20 ~ 15:40	Yoshihiro Tanaka (Nagoya Institute of Technology)	Subjective Haptics for Design, Communication, and Augmentation
15:40 ~ 15:50	Coffee break	
15:50 ~ 16:10	Dong-Soo Kwon (KAIST)	Flexible Endoscopic Surgery Robots
16:10 ~ 16:30	Koichi Hashimoto (Tohoku University)	Robotic microscope for measuring and manipulating neural activity during navigation
16:30 ~ 16:50	Won-Kyung SONG (National Rehabilitation Center)	Six Years' Experience in Translational Research for Rehabilitation Robots
16:50 ~ 17:10	Yasuhisa Hirata (Tohoku University)	Assistive Robots for Enhancing and Encouraging Physical Activities
17:10 ~ 19:00	Transfer to hotel & Break	
19:00 ~	Banquet, Nongshim Hotel Buffet	

- **Dec. 23rd**

Time	Speaker	Title
09:00 ~ 09:20	Fumihito Arai (Nagoya University)	Innovation of Force Sensing with Wide Dynamic Range
09:20 ~ 09:40	Keum-Shik Hong (Pusan National University)	Brain-Machine Interfaces Using Near-Infrared Light
09:40 ~ 10:00	Hajime Asama (The University of Tokyo)	Understanding Body Consciousness and Its Application to Assistive Systems
10:00 ~ 10:20	Young-Jo Cho (ETRI/ RF Co. Ltd.)	Modular Façade-Cleaning Robots for High-Rise Buildings
10:20 ~ 10:30	Coffee break	
10:30 ~ 10:50	Ryuma Niiyama (The University of Tokyo)	Soft and Bio-inspired Robots
10:50 ~ 11:10	Woosub Lee (KIST)	A Four-wheeled Mobile Robot for Korean Lunar Exploration
11:10 ~ 12:00	Closing & Transfer for Lunch	
12:00 ~ 13:00	Lunch	