

## RiTA2017 Presentation Schedule

Session Code	PT_NO	Day	Time	Place	p.Type	Session Name	P_No	Paper Title	Author	Organization
T1O	1	Thursday, 14 Dec	08:30-08:45	KI Fusion Hall	Oral	Speical Session: Soft Robotics	6	Design and Analysis of a Novel Sucked-type Underactuated Hand with Multiple Grasping Modes	Nan Lin	University of Science and Technology of China
T1O	2	Thursday, 14 Dec	08:45-09:00	KI Fusion Hall	Oral	Speical Session: Soft Robotics	20	FEA Evaluation of Ring-Shaped Soft-Actuators for a Stomach Robot	Ryman Hashem	University of Auckland
T1O	3	Thursday, 14 Dec	09:00-09:15	KI Fusion Hall	Oral	Speical Session: Soft Robotics	76	The Control of an Upper Extremity Exoskeleton for Stroke Rehabilitation by Means of a Hybrid Active Force Control	Zahari Taha	University Malaysia Pahang
T1O	4	Thursday, 14 Dec	09:15-09:30	KI Fusion Hall	Oral	Speical Session: Soft Robotics	15	The Workspace-Load Cloud of Soft Arms	Xiaotong Chen	University of Science and Technology of China
T1O	5	Thursday, 14 Dec	09:30-09:45	KI Fusion Hall	Oral	Speical Session: Soft Robotics	13	A Grasp Strategy for Polygonal Objects Using a Honeycomb Pneumatic Network Soft Gripper	Tang Bing	University of Science and Technology of China
T1O	6	Thursday, 14 Dec	09:45-10:00	KI Fusion Hall	Oral	Speical Session: Soft Robotics	11	Fault Diagnosis of Robot Manipulator Based on ARX-Laguerre Fuzzy PID Observer	Jong-Myon Kim	University of Ulsan
T2O	1	Thursday, 14 Dec	10:30-11:00	KI Fusion Hall	Oral	Invited Talk	IS	3D Modeling, IoT and Augmented Reality to Transparentize Robot Learning	Igor M. Verner	Technion – Israel Institute of Technology
T2O	2	Thursday, 14 Dec	11:00-11:15	KI Fusion Hall	Oral	Intelligence and learning	62	Task-related Item-Name Discovery using Text and Image Data from the Internet	Putti Thaipumi	Tokyo Institute of Technology
T2O	3	Thursday, 14 Dec	11:15-11:30	KI Fusion Hall	Oral	Intelligence and learning	42	Regularization of Deep Network via Latent Subclass Learning	Joochang Kim	KAIST
T2O	4	Thursday, 14 Dec	11:30-11:45	KI Fusion Hall	Oral	Intelligence and learning	38	On the Ability to Disentangle Domain Factor	YEGANG LEE	KAIST
T2O	5	Thursday, 14 Dec	11:45-12:00	KI Fusion Hall	Oral	Intelligence and learning	29	A Game-Theoretic Approach for Multi-Robot Task Allocation with Dependency Constraints	Ming Chong Lim	KAIST
T3P	0	Thursday, 14 Dec	13:30-14:30	KI Fusion Hall	Oral	Plenary Talk	PS	Intelligent Conversational Agent with Emotion and Personality	Soo-Young Lee	KAIST
T4I	1	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		Vibro-tactile mapping in haptic control of a robot gripper	Yunjoo Kim, Jung Kim	KAIST
T4I	2	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		Real-time Accurate Line Segment Merging using Pseudo-Ordered Batches based on Angle	Hyun-Soo Lim, and Gon-Woo Kim	Chungbook National Univ.
T4I	3	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		3D Lidar-Camera calibration using Efficient Marker Detection based on Planar Surface Extraction	Joong-Sun Yoo, and Gon-Woo Kim	Chungbook National Univ.

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T4I	4	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		A Development High Definition Map based Autonomous Driving Technology to Acquire a Driving License	KyoungWook Min, KyoungBok Sung, SeungJun Han, DongJin	ETRI
T4I	5	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		Propagating Uncertainty on Lie Groups for Exploration in Active SLAM	Youngji Kim and Ayoung Kim	KAIST
T4I	6	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		Vehicle Configuration for a Self-Driving Car Permit in Korea	Kyungbok Sung, Kyoungwook Min, Jeongdan Choi	ETRI
T4I	7	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		Precise vibration control for a small Electro-magnetic shaker based on feedforward compensation	Chang Jun Oh, Hee Nam Choi, Bong Soo Kang	Hannam Univ.
T4I	8	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		A Recursive Least Square-based Adaptive Gain Update Technique of Luenberger Observer	S. D. Lee and S. Jung	Chungnam National University
T4I	9	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		Development of Lifting Device-Type Jellyfish Removal Robot System for Large Jellyfish	Sungwook Jung, Jieum Hyun, Hyun Myung	KAIST
T4I	10	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		Development of optical fiber-based active markers and its recognition algorithm for localization of a underwater structure inspection robot	Kwang-yik Jung, Phillip Youn, Hyun Myung	KAIST
T4I	11	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		Underwater Magnetic Field Survey Using an Unmanned Surface Vehicle	Jongdae Jung, Jeonghong Park, Junbo Chae, Yoongeon Lee.	KRISO
T4I	12	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		A Condition for Stability and L2 Performance of Repetitive Control using a Delayed Feedback Input and a State Error	Tae-Yong Doh	Hanbat National Univ.
T4I	13	Thursday, 14 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	ICROS poster session		A simulation framework for collision-free trajectory planning and following of autonomous surface vehicles	Jeonghong Park, Jinwoo Choi, Hyun-Taek Choi	KRISO
T5O	1	Thursday, 14 Dec	15:30-16:00	KI Matrix Hall	Oral	Invited Talk	IS	AI and Robotics Technology for Planetary Exploration	Takashi Kubota	ISAS/JAXA Japan
T5O	2	Thursday, 14 Dec	16:00-16:15	KI Matrix Hall	Oral	Intelligent sensing	61	Urban Openness Metric Evaluation using 3D LiDAR Measurement	Giseop Kim	KAIST
T5O	3	Thursday, 14 Dec	16:15-16:30	KI Matrix Hall	Oral	Intelligent sensing	57	Rapid Coverage of Regions of Interest for Environmental Monitoring	Nantawat Pinkam	Japan Advanced Institute of Science and Technology
T5O	4	Thursday, 14 Dec	16:30-16:45	KI Matrix Hall	Oral	Intelligent sensing	69	Intelligent Smart Glass for Visually Impaired using Deep Learning Machine Vision Techniques	Aswath Suresh	New York University
T5O	5	Thursday, 14 Dec	16:45-17:00	KI Matrix Hall	Oral	Intelligent sensing	8	Autonomous 3D model generation of unknown objects for dual-manipulator humanoid robots	Adrian Llopart	Technical University of Denmark
T6I	1	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	45	Dirichlet process-based arbitration control of reinforcement learning	Dongjae Kim	KAIST

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T6I	2	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	68	On the study of dialogue scenario extraction in twitter	Jae-Min Yun, Yo-Han Kim, Ju-Kyung Lee, Jung-Gil Lee	yally
T6I	3	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	58	Attention-Based Caption Generation Using Reference Caption	Jonghwan Mun	POSTECH
T6I	4	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	43	Selective Filter Transfer	Minju Jung	KAIST
T6I	5	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	74	Impact of Nonlinearity on Analog Circuit Based Deep Neural Network Processor	Jin-O Seo	KAIST
T6I	6	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	73	Facial Expression Classification with Universum Data	Whiyoung Jung	KAIST
T6I	7	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	71	Sequential Feature Acquisition with DeepReinforcement Learning	Hajin Shim	KAIST
T6I	8	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	66	Supervised Neural DUDE for adaptive universal denoising	Taesup Moon	Sungkyunkwan University
T6I	9	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	65	An Empirical Study on the Optimal Batch Size for the Deep Q-Network	Minsuk Choi	KAIST
T6I	10	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	63	Explore the Power of Max Switch Locations in CNNs	Jeongwoo Ju	KAIST
T6I	11	Thursday, 14 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	MIL session	60	Sample Efficient Deep Reinforcement Learning via Episodic Backward Update	Lee Su Young	KAIST
F1O	1	Friday, 15 Dec	08:30-08:45	KI Fusion Hall	Oral	Intelligent robot control	75	Reusability Quality Metrics for Agent-Based Robot Systems	Jun Hyung Jo	Griffith University
F1O	2	Friday, 15 Dec	08:45-09:00	KI Fusion Hall	Oral	Intelligent robot control	9	Intellectual Multi Agent Control of Tripod	Sergey Kapustyan	Southern Scientific Center of the Russian Academy of Sciences
F1O	3	Friday, 15 Dec	09:00-09:15	KI Fusion Hall	Oral	Intelligent robot control	12	Artificial Intelligence Approach to the Trajectory Generation and Dynamics of a Soft Robotic Swallowing Simulator	dipankar Bhattacharya	University of Auckland
F1O	4	Friday, 15 Dec	09:15-09:30	KI Fusion Hall	Oral	Intelligent robot control	4	A Two-level Approach to Motion Planning of Soft Variable-Length Manipulators	Xiaotong Chen	University of Science and Technology of China
F1O	5	Friday, 15 Dec	09:30-09:45	KI Fusion Hall	Oral	Intelligent robot control	78	Big IoT Data Analysis in Social Media and Environmental Data	Jun Hyung Jo	Griffith University
F1O	6	Friday, 15 Dec	09:45-10:00	KI Fusion Hall	Oral	Intelligent robot control	35	A Mobile Social Bar Table based on a Retired Security Robot	David Claveau	CSU Channel Islands

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F2O	1	Friday, 15 Dec	10:30-11:00	KI Fusion Hall	Oral	Invited Talk	IS	Realizing Applied, Useful Self-organizing Counter UAV Systems with the HARMS Integration Model	Eric T. Matson	Purdue University
F2O	2	Friday, 15 Dec	11:00-11:15	KI Fusion Hall	Oral	Autonomous robot navigation	54	Multi-Robot SLAM: An Overview and Quantitative Evaluation of MRGS ROS Framework for MR-SLAM	Mahmoud Nasr	University of Science and Technology, Zewail City
F2O	3	Friday, 15 Dec	11:15-11:30	KI Fusion Hall	Oral	Autonomous robot navigation	32	Cooperative Path Planning with A System of Unmanned Vehicles for Scalar Field Reconstruction	Sangwook Woo	KAIST
F2O	4	Friday, 15 Dec	11:30-11:45	KI Fusion Hall	Oral	Autonomous robot navigation	31	Indoor Magnetic Pose Graph SLAM with Robust Back-end	Jongdae Jung	Korea Research Institute of Ships and Ocean Engineering
F2O	5	Friday, 15 Dec	11:45-12:00	KI Fusion Hall	Oral	Autonomous robot navigation	19	SVM-Based Fault Type Classification Method for Navigation of Formation Control Systems	Sang-Hyeon Kim	KAIST
F3P	0	Friday, 15 Dec	13:30-14:30	KI Fusion Hall	Oral	Plenary Talk	PS	Learning about human behaviour for interactive robotics	David Hogg	University of Leeds
F4I	1	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	59	The control of an upper extremity exoskeleton for stroke rehabilitation by means of a hybrid active force control	Muhammad Aizzat Zakaria	Universiti Malaysia Pahang
F4I	2	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	52	Isolated BioRegenerative System for Vertical Farming through Robots in Space Explorations	Aswath Suresh	New York University
F4I	3	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	51	SignBot, Sign-language Performing Robot, based on Sequential Motion of Servo Motor Arrays	Rini Akmeliawati	International Islamic University Malaysia
F4I	4	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	49	Voice Controlled Multi-Robot System for Collaborative Task Achievement	Chahid Ouali	University of Waterloo
F4I	5	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	48	Learning from Imbalanced Data	Juseung Yun	KAIST
F4I	6	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	46	Improved InfoGAN: Generating High Quality Images with Learning Disentangled Representation	Haechang Jung	KAIST
F4I	7	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	44	Improving Deep Neural Networks by Adding Auxiliary Information	Sihyeon Seong	KAIST
F4I	8	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	37	I Remember What You Did A Behavioural Guide-Robot	Suman Ojha	University of Technology Sydney
F4I	9	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	33	Reinforcement Learning of a Memory Task using an Echo State Network with Multi-Layer Readout	Toshitaka Matsuki	Oita University
F4I	10	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	28	Surface Crack Detection in Concrete Structures Using Image Processing	Donghwa Lee	Daegu University

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F4I	11	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	24	Embedded Drilling System using Rotary-percussion Drilling	Hyun Myung	KAIST
F4I	12	Friday, 15 Dec	14:30-15:30	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	23	A Recursive Least Square Based Observer Design Technique for Dynamical Systems: Control Moment Gyro	Seul Jung	Chungnam National University
F5O	1	Friday, 15 Dec	15:30-16:00	KI Fusion Hall	Oral	Invited Talk	IS	Big Data Analytics and Robotics	Bela Stantic	Griffith University
F5O	2	Friday, 15 Dec	16:00-16:15	KI Fusion Hall	Oral	Machine vision	41	A Fast Multi-Lane Detection Algorithm at 1000 Frames Per Second in Highway Scenarios	Sihaeng Lee	KAIST
F5O	3	Friday, 15 Dec	16:15-16:30	KI Fusion Hall	Oral	Machine vision	40	Identity Preserving Residual-Spatial Transformer Network	DongGyu Joo	KAIST
F5O	4	Friday, 15 Dec	16:30-16:45	KI Fusion Hall	Oral	Machine vision	36	Diverse Paired Trajectory Generation for Character Animation	Youngdong Kim	KAIST
F5O	5	Friday, 15 Dec	16:45-17:00	KI Fusion Hall	Oral	Machine vision	56	Estimation and Recognition of Motion Segmentation and Pose IMU-based Human Motion Capture	NGUYEN THINH	Ho Chi Minh City University of Technology and
F6I	1	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	26	Development of Robust Recognition Algorithm of Retro- reflective Marker based on Visual Odometry for Underwater Environment	Hyun Myung	KAIST
F6I	2	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	27	Robust Estimation of 2D Human Upper-body Poses using Fully Convolutional Network	Hyun Myung	KAIST
F6I	3	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	72	Detection and Classification of Objects from Moving Backgrounds	Jun Jo	Griffith University
F6I	4	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	67	Design and Development of Intelligent Self-Driving Car (Updated)	Aswath Suresh	New York University
F6I	5	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	64	A Proactive Robot Tutor based on Emotional Intelligence	Siva Leela Krishna Chand GUDI	University of Technology Sydney
F6I	6	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	25	Adaptive Planar Vision Marker Composed of LED 2 Arrays for Sensing under Low Visibility	Hyun Myung	KAIST
F6I	7	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	70	Evaluation of High-speed Image Processing for Low Latency Control of a Mechatronic System	Josh Lues	Massey University
F6I	8	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	55	Robot Supporting for Deaf and Less Hearing People	NGUYEN THINH	Ho Chi Minh City University of Technology and
F6I	9	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	50	Design and Development of Innovative Pet Feeding Robot	Aswath Suresh	New York University

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F6I	10	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	5	Rough Case-Based Reasoning System for Continues Casting	Zhufeng Lei	Xi'an Jiaotong University
F6I	11	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	16	Intelligent Brain-Controlled Multi-Fingered Dexterous Prosthetic Hand	Aswath Suresh	New York University
F6I	12	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	10	Robotizing the Bio-inspiration	Ahmad Tahir	University of Genova
F6I	13	Friday, 15 Dec	17:00-18:00	KI Lobby, 1F.	Interactive	RiTA 2017 Poster	7	Multi-Object Tracking with Classified Detection	Siqi Ren	Shanghai Jiao Tong University