

## RiTA 2013 Technical Presentation Schedule\_Updated on Dec. 10th

Session No.	Time	Day	Room#	Session Title	P#	Paper Title	F. Name	M	L. Name	Organization	Country	
T1A	1	08:50-09:10	Thursday, 19 December	602	Intelligent Agents & Medicine	23	Dynamic Simulation of a Sagittal Biped System	Glen		Bright	University of KwaZulu Natal	South Africa
T1A	2	09:10-09:30	Thursday, 19 December	602	Intelligent Agents & Medicine	89	Axon: a Middleware for Robotic Platforms in an Experimental Environment	Michael	Yousif	Morckos	Voice Enabling System Technology Inc.	Canada
T1A	3	09:30-09:50	Thursday, 19 December	602	Intelligent Agents & Medicine	103	Coordination of UAV-UGVs Team with Vision-Based Mapping and Greedy Task Allocation	Keum-Seong		Kim	Korea Advanced Institute of Science and Technology	Korea
T1A	4	09:50-10:10	Thursday, 19 December	602	Intelligent Agents & Medicine	43	Classifier Selection for Locomotion Mode Recognition Using Wearable Capacitive Sensing Systems	Qining		Wang	Peking University	China
T1A	5	10:10-10:30	Thursday, 19 December	602	Intelligent Agents & Medicine	95	Development of Jaw Exoskeleton for Rehabilitation of Temporomandibular Disorders	Xiaoyun		Wang	Massey University	New Zealand
T1A	6	10:30-10:50	Thursday, 19 December	602	Intelligent Agents & Medicine	147	Towards a Touchless Master Console for Natural Interactions in Sterilized Robotic Surgery Environment	Hongliang		Ren	NUS	United States
T1B	1	08:50-09:10	Thursday, 19 December	604	Navigation/ SLAM/ Localization	34	A Convex Fuzzy Range-Free Sensor Network Localization Method	Baris		Fidan	University of Waterloo	Canada
T1B	2	09:10-09:30	Thursday, 19 December	604	Navigation/ SLAM/ Localization	40	Multi-Directional Weighted Interpolation for Wi-Fi Localisation	Jolon		Faichney	Griffith University	Australia
T1B	3	09:30-09:50	Thursday, 19 December	604	Navigation/ SLAM/ Localization	53	Visual Loop-Closure Detection Method Using Average Feature Descriptors	Deok-Hwa		Kim	KAIST	Korea
T1B	4	09:50-10:10	Thursday, 19 December	604	Navigation/ SLAM/ Localization	63	Mobile Robot Localization using Multiple Geomagnetic Field Sensors	Seung-Mok		Lee	Korea Advanced Institute of Science and Technology (KAIST)	Korea
T1B	5	10:10-10:30	Thursday, 19 December	604	Navigation/ SLAM/ Localization	82	GA-based Optimal Waypoint Design for Improved Path Following of Mobile Robot	Jae-Seok		Yoon	Kyung Hee University	Korea
T1B	6	10:30-10:50	Thursday, 19 December	604	Navigation/ SLAM/ Localization	110	Indoor Mobile Robot Localization Using Ambient Magnetic Fields and Range Measurements	Jongdae		Jung	KAIST	Korea
T1C	1	08:50-09:10	Thursday, 19 December	606	Soft Robotics	15	A New Kind of Soft Robotics Actuating by Electromagnetic Force	Yang		Weimin	Beijing University of Chemical Technology	China

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T1C	2	09:10-09:30	Thursday, 19 December	606	Soft Robotics	20	Soft-Robotic Peristaltic Pumping Inspired by Esophageal Swallowing in Man	Steven		Dirven	University of Auckland	New Zealand
T1C	3	09:30-09:50	Thursday, 19 December	606	Soft Robotics	22	Design and Fabrication of a Soft Actuator for a Swallowing Robot	Feijiao		Chen	Massey University	New Zealand
T1C	4	09:50-10:10	Thursday, 19 December	606	Soft Robotics	27	Development of a soft jellyfish robot based on dielectric elastomer actuators	Jian		Zhu	National University of Singapore	Singapore
T1C	5	10:10-10:30	Thursday, 19 December	606	Soft Robotics	48	A P300 Model for Cerebot ? a Mind-Controlled Humanoid Robot	Mengfan		Li	Tianjin University	China
T1C	6	10:30-10:50	Thursday, 19 December	606	Soft Robotics	102	Preliminary Experiments on Soft Manipulating of Tendon-Sheath-Driven Compliant Joints	Xingsong		Wang	Southeast University	China
T2PS-I		11:30-12:20	Thursday, 19 December	601	Plenary Session I		Dynamics and Control of Oscillatory Movements in Animal Locomotion	Tetsuya		Iwasaki	University of California, Los Angeles	USA
T3PS-II		13:30-14:20	Thursday, 19 December	601	Plenary Session II		Designing Constraint-Based Robots	Alan		Mackworth	University of British Columbia	Canada
T4A	1	14:40-15:00	Thursday, 19 December	602	Human-robot Interaction	54	Consideration about the Application of Dynamic Time Warping to Human Hands Behavior Recognition for Human-Robot	Ji-Hyeong		Han	KAIST	Korea
T4A	2	15:00-15:40	Thursday, 19 December	602	Human-robot Interaction	109_S S1	Lessons Learned in Designing User-configurable Modular Robotics	Henrik	Hautop	Lund	Technical University of Denmark	Denmark
T4A	3	15:40-16:00	Thursday, 19 December	602	Human-robot Interaction	108	Playware Explorations in Robot Art	Luigi		Pagliarini	Academy of Fine Arts of Macerata	Italy
T4B	1	14:40-15:00	Thursday, 19 December	604	Underwater Robots & Applications	131	Issues in Software Architectures for Intelligent Underwater Robots	Hyun-Taek		Choi	Korea Institute of Ocean Science and Technology	Korea
T4B	2	15:00-15:20	Thursday, 19 December	604	Underwater Robots & Applications	126	Estimation of Vehicle Pose Using Artificial Landmarks for Navigation of an Underwater Vehicle	Tae Gyun		Kim	Korea Institute of Ocean Science and Technology	Korea
T4B	3	15:20-15:40	Thursday, 19 December	604	Underwater Robots & Applications	129	A New Approach of Detection and Recognition for Artificial Landmarks from Noisy Acoustic Images	Yeongjun		Lee	Korea institute of ocean science & technology	Korea

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T4B	4	15:40-16:00	Thursday, 19 December	604	Underwater Robots & Applications	128	Design, Implementation, and Experiment of an Underwater Robot for Effective Inspection of Underwater structures	Seokyong		Kim	Korea Institute Ocean Science and Technology	Korea
T4C	1	14:40-15:00	Thursday, 19 December	606	Kinematics/ Dynamics/ Control	28	An adaptive sliding mode control for trajectory tracking of a self-reconfigurable robotic system	Riyadh		Al Saidi	University of Windsor	Canada
T4C	2	15:00-15:20	Thursday, 19 December	606	Kinematics/ Dynamics/ Control	33	Position-trajectory Control of Advanced Tracked Robots with Diesel-electric Powertrain	Denis		Pogosov	Southern Federal University	Russian Federation
T4C	3	15:20-15:40	Thursday, 19 December	606	Kinematics/ Dynamics/ Control	67	Stable Modifiable Walking Pattern Generator with Arm Swing Motion Using Evolutionary Optimized Central Pattern Generator	Chang-Soo		Park	KAIST	Korea
T4C	4	15:40-16:00	Thursday, 19 December	606	Kinematics/ Dynamics/ Control	96	Performance comparison between a PID SIMC and a PD fractional controller	Jairo	Bernardo	Viola	Universidad Pontificia Bolivariana	Colombia
T5A	1	16:20-16:40	Thursday, 19 December	602	Knowledge Representation for Robotics & Automation	42	An Ontology Based Approach to Action Verification for Agile Manufacturing	Stephen		Balakirsky	Georgia Tech Research Institute	United States
T5A	2	16:40-17:00	Thursday, 19 December	602	Knowledge Representation for Robotics & Automation	49	Evaluating State-Based Intention Recognition Algorithms Against Human Performance	Craig		Schlenoff	University of Burgundy	France
T5A	3	17:00-17:20	Thursday, 19 December	602	Knowledge Representation for Robotics & Automation	83	Knowledge and Data Representation for Motion Planning in Dynamic Environments	Stefano		Carpin	University of California	United States
T5A	4	17:20-17:40	Thursday, 19 December	602	Knowledge Representation for Robotics & Automation	87	A Simulated Sensor-based Approach for Kit Building Applications	Zeid		Kootbally	University of Maryland	United States
T5A	5	17:40-18:00	Thursday, 19 December	602	Knowledge Representation for Robotics & Automation	119	A Survey on Biomedical Knowledge Representation for Robotic Orthopaedic Surgery	Paulo	J.S.	Goncalves	Polytechnic Institute of Castelo Branco	Portugal
T5B	1	16:20-16:40	Thursday, 19 December	604	Cognitive Intelligence	32	Combined Trajectory Generation and Path Planning for Mobile Robots Using Lattices with Hybrid Dimensionality	Janko		Petereit	Fraunhofer IOSB	Germany
T5B	2	16:40-17:00	Thursday, 19 December	604	Cognitive Intelligence	7	Artificial Neural Diagnosis and Prognostics: Self-Soothing in Cognitive Systems	James	Albert	Crowder	Raytheon Intelligence	United States
T5B	3	17:00-17:20	Thursday, 19 December	604	Cognitive Intelligence	76	Organization and Selection Methods of Composite Behaviors for Artificial Creatures Using the Degree of Consideration-based	Woo-Ri		Ko	KAIST	Korea

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T5B	4	17:20-17:40	Thursday, 19 December	604	Cognitive Intelligence	98	EEG Signal Variability Identification in Robotic Control Command Development	Chiemela		Onunka	University Of KwaZulu-Natal	South Africa
T5B	5	17:40-18:00	Thursday, 19 December	604	Cognitive Intelligence	80	Acquisition of Context-based Active Word Recognition by Q-Learning Using a Recurrent Neural Network	Ahmad Afif		Mohd Faudzi	Kyushu University	Japan
T5C	1	16:20-16:40	Thursday, 19 December	606	Genetic/ Behavioral Intelligence	35	Adding adaptable stiffness joints to CPG-based dynamic bipedal walking generates human-like gaits	Qining		Wang	Peking University	China
T5C	2	16:40-17:00	Thursday, 19 December	606	Genetic/ Behavioral Intelligence	69	Hand-Eye Calibration and Inverse Kinematics of Robot Arm using Neural Network	Haiyan		Wu	Technical University of Denmark	Denmark
T5C	3	17:00-17:20	Thursday, 19 December	606	Genetic/ Behavioral Intelligence	66	An Evolutionary Feature Selection Algorithm for Classification of Human Activities	Si-Jung		Ryu	KAIST	Korea
T5C	4	17:20-17:40	Thursday, 19 December	606	Genetic/ Behavioral Intelligence	50	Automatic Linear Robot Control Synthesis using Genetic Programming	Tiberiu	Stefan	Letia	Technical University of Cluj Napoca	Romania
T5C	5	17:40-18:00	Thursday, 19 December	606	Genetic/ Behavioral Intelligence	56	Estimation of the Stimuli Timing to Evaluate the Chemical Plume Tracing Behavior of the Silk Moth	Jouh Yeong		Chew	Tokyo Institute of Technology	Japan
F1A	1	08:50-09:10	Friday, 20 December	602	Humanoid/ Micro/ Nano Robotics	41	Towards Honeycomb PneuNets Robots	Hao		Sun	USTC	China
F1A	2	09:10-09:30	Friday, 20 December	602	Humanoid/ Micro/ Nano Robotics	45	A New Locomotion Mechanism for Asteroid Exploration Rover Considering Thermal Control	Yosuke		Miyata	The University of Tokyo	Japan
F1A	3	09:30-09:50	Friday, 20 December	602	Humanoid/ Micro/ Nano Robotics	46	A Proposal of Exploration Robot with Wire for Vertical Holes in Moon or Planet	Shuhei		SHIGETO	The University of Tokyo	Japan
F1A	4	09:50-10:10	Friday, 20 December	602	Humanoid/ Micro/ Nano Robotics	75	Scanpaths Analysis with Fixation Maps to Provide Factors for Natural Gaze Control	BUM-SOO		YOO	KAIST	Korea
F1A	5	10:10-10:30	Friday, 20 December	602	Humanoid/ Micro/ Nano Robotics	94	Design of a Bipedal Walker with a Passive Knee and Parted Foot	Honggu		Lee	KAIST	Korea
F1B	1	08:50-09:10	Friday, 20 December	604	Emerging Application	74	One-way ViSP (Visually Servoed Paired structured light) for 6-DOF structural displacement measurement	Haemin		Jeon	KAIST	Korea

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F1B	2	09:10-09:30	Friday, 20 December	604	Emerging Application	77	DEVELOPMENT OF SOLAR HYDROGEN ENERGY FOR MOBILE ROBOTS	Abdusalam	s	Sulaiman	UKZN	South Africa
F1B	3	09:30-09:50	Friday, 20 December	604	Emerging Application	79	Design of Child-sized Humanoid Robot for Performance Show	Young J.		Ryoo	Mokpo National University	Korea
F1B	4	09:50-10:10	Friday, 20 December	604	Emerging Application	92	Bowling with the DARwIn-Op Humanoid Robot	Eric		Matson	Purdue University	United States
F1B	5	10:10-10:30	Friday, 20 December	604	Emerging Application	117	Analysis of Kinematics and Dynamics of 4-dof Delta parallel robot	Tho	Phuoc	Tuong	The University of technical education Ho Chi Minh City	Viet Nam
F1B	6	10:30-10:50	Friday, 20 December	602	Emerging Application	122	Implementation of Split Cycle Control for Micro Aerial Vehicles	David	O	Sigthorsson	General Dynamics Information Technology	United States
F1C	1	08:50-09:10	Friday, 20 December	606	Signal Processing	36	Adaptive Neuro-Fuzzy Controller of IPMC Actuators for Bio-memetics and Bio-medical devices	Dang	Tri	Dung	Ho Chi Minh University of Technical Education	Viet Nam
F1C	2	09:10-09:30	Friday, 20 December	606	Signal Processing	88	Enhancing Wi-Fi Signal Strength of a Dynamic Heterogeneous System Using a Mobile Robot Provider	Eric		Matson	Purdue University	United States
F1C	3	09:30-09:50	Friday, 20 December	606	Signal Processing	107	Application of the Chaos Theory in the Analysis of EMG on Patients with Facial Paralysis	Xingang		Zhao	Shenyang Institute of Automation (SIA)	China
F1C	4	09:50-10:10	Friday, 20 December	606	Signal Processing	135	Neural Network Control for the Balancing Performance of a Single-wheel Transportation Vehicle: Gyrocycle	Seul		Jung	Chungnam National University	Korea
F2PS-III		11:10-12:00	Friday, 20 December	601	Plenary Session III		The Next Technological Wave: Intelligence Technology ("IT") for Intelligence Super-Agent	Jong-Hwan		Kim	KAIST	Korea
F3IS	1	13:30-14:00	Friday, 20 December	601	Special Talks Session	SS2	Robot Navigation and Monitoring Technologies for U-City	Hyun		Myung	KAIST	Korea
F3IS	2	14:00-14:30	Friday, 20 December	601	Special Talks Session	SS3	Recent Advances in Humanoid Robotics	Jacky		Baltes	University of Manitoba	Canada
F3IS	3	14:30-15:00	Friday, 20 December	601	Special Talks Session	SS4	Robotic Intelligence—a Specific Form of Artificial Intelligence	Victor		RASKIN	Purdue University	USA

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F4A	1	15:10-15:30	Friday, 20 December	602	Flapping-Wing Air Vehicles	124	Maintaining Model Consistency Durring In-Flight Adaptation in a Flapping-Wing Micro Air Vehicle	John		Gallagher	Wright State University	United States
F4A	2	15:30-15:50	Friday, 20 December	602	Flapping-Wing Air Vehicles	140	Model Checking of a Flapping-Wing Mirco-Air-Vehicle Trajectory Tracking Controller Subject to Disturbances	James		Goppert	Purdue University	United States
F4A	3	15:50-16:10	Friday, 20 December	602	Flapping-Wing Air Vehicles	141	Design Constraints of a Minimally Actuated Four Bar Linkage Flapping-Wing Micro Air Vehicle	Benjamin		Perseghetti	Wright State University	United States
F4A	4	16:10-16:30	Friday, 20 December	602	Flapping-Wing Air Vehicles	132	Improved Control System for Analyzing and Validating Motion Controllers for Flapping Wing Vehicles	Sanjay	Kumar	Boddhu	Wright State University	United States
F4B	1	15:10-15:30	Friday, 20 December	604	Ambient / Collective Intelligence	120	A method to localize transparent glass obstacle using laser range finder in mobile robot indoor navigation	Jin-Woo		Jung	Dongguk University	Korea
F4B	2	15:30-15:50	Friday, 20 December	604	Ambient / Collective Intelligence	84	Robotic Follower System using Bearing-only Tracking with Directional Antennas	Byung-Cheol		Min	Purdue University	United States
F4B	3	15:50-16:10	Friday, 20 December	604	Ambient / Collective Intelligence	51	Oscillator aggregation in redundant robotic systems for emergence of homeostasis	Sho		Yamauchi	Hokkaido University	Japan
F4B	4	16:10-16:30	Friday, 20 December	604	Ambient / Collective Intelligence	113	The ChIRP Robot: a Versatile Swarm Robot Platform	Pauline	C	Haddow	The Norwegian University of Science and Technology	Norway
F4B	5	16:30-16:50	Friday, 20 December	604	Ambient / Collective Intelligence	123	Aeroponic Greenhouse as an Autonomous System using Intelligent Space for Agriculture Robotics	Martin		Pala	Technical University of Kosice	Slovak Republic
F4C	1	15:10-15:30	Friday, 20 December	606	Computer Vision	21	Computer vision system as part of bio-mechatronic rehabilitation simulator	Sergey	M	Sokolov	KIAM RAS	Russian Federation
F4C	2	15:30-15:50	Friday, 20 December	606	Computer Vision	57	FPGA Implementation of Global Vision for Robot Soccer as a Smart Camera	Gourab		Sen Gupta	Massey University	New Zealand
F4C	3	15:50-16:10	Friday, 20 December	606	Computer Vision	81	Obstacle & Lane Detection and Local Path Planning for IGVC Robotic Vehicles using Stereo Vision	CJ		Chung	Lawrence Technological University	United States
F4C	4	16:10-16:30	Friday, 20 December	606	Computer Vision	144	Adaptive regions of interest based on HSV histograms for lane marks detection	Vitor		Bottazzi	Griffith University	Australia

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F5P	1	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	37	Implementation of High Reduction Gear Ratio by Using Cable Drive Mechanism	Bumjoo		Lee	Myongji University	Korea
F5P	2	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	39	Navigation Control of a Robot from a remote location via the Internet using Brain-Machine Interface	Jorge	Salvador	Ierache	Universidad de Moron	Argentina
F5P	3	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	9	Cognitive Architectures for Prognostic Health Management	James	Albert	Crowder	Raytheon Intelligence	United States
F5P	4	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	47	Vibration Occurrence Estimation and Avoidance for Vision Inspection System	Kap-Ho		Seo	Korea Institute of Robot and Convergence	Korea
F5P	5	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	55	Flexible and Wearable Hand Exoskeleton and Its Application to Computer Mouse	Woo-Young		Go	Korea Advanced Institute of Science and Technology	Korea
F5P	6	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	61	Formation Control Experiment of Autonomous Jellyfish Removal Robot System JEROS	Donghoon		Kim	KAIST (Korea Advanced Institute of Science and Technology)	Korea
F5P	7	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	65	Fall detection interface of remote excavator control system	Sun		Lim	Korea Electronic Technology Institute	Korea
F5P	8	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	70	Target-driven Visual Words Representation via Conditional Random Field and Sparse Coding	Yong-Ho		Yoo	KAIST	Korea
F5P	9	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	78	Feature-based 6-DoF Camera Localization using Prior Point Cloud and Images	Hyongjin		Kim	KAIST	Korea
F5P	10	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	86	Trajectory Tracking Control Using Echo State Networks for the CoroBot's Arm	cesar	hernando	valencia	PUC-RIO	Brazil
F5P	11	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	100	An intelligent control system for mobile robot navigation tasks in surveillance	Jing-Sin		Liu	Academia Sinica	Taiwan
F5P	12	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	101	Design and Control of a Humanoid Robot for Traffic Guidance	Xingsong		Wang	Southeast University	China
F5P	13	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	111	Programming an E-Puck Robot to Create Maps of Virtual and Physical Environments	Pablo	Samuel	Tarquino	Trinity University	United States

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F5P	14	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	116	Cloud-based Object Recognition: A System Proposal	Daniel		Lorencik	Technical University of Kosice	Slovak Republic
F5P	15	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	130	Design of Knowledge-based Communication between Human and Robot Using Ontological Semantic Technology in Firefighting Domain	Ji Hyeon		Hong	Purdue University	United States
F5P	16	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	134	Automatic Salient Object Detection Using Principal Component Analysis	Hansang		Lee	KAIST	Korea
F5P	17	16:50-18:00	Friday, 20 December	Lobby	Interactive Session	143	Human Inspired Control of a Small Humanoid Robot in Highly Dynamic Environments or Jimmy Darwin Rocks the Bongo Board	Jacky		Baltes	University of Manitoba	Canada