

March 8th								
Session Room 1 (1204)		Session Room 2 (1205)			Session Room 3 (1206)			
9:30-11:30			TT9: Robotics and Mechatronics 1			V1: Video and Interactive Session 1		
			Prof. Yoshihiro Maeda			Prof. Hiroshi Igarashi		
			Prof. Sho Sakaino			Dr. Tran Phuong Thao		
			Title	First Autor				
			TT9-1	Analysis of Approximation Error of Binocular Visual Space Visual Servoing Using Simplified Coordinate Transformations	Sota Igaki (Mie University)			
			TT9-2	Visual servoing of robot arms using simple transformation from binocular visual space by active cameras	Hiromi Kishi (Mie University)			
			TT9-3	Design and Control of a Ball on Ball System With a Programmable Logic Controller and Vision Feedback	Matthias Bibl (Vienna University of Technology)			
		TT9-4	Development of Shear Force Measurement and Its Feedback Mechanism by Linear Actuators	Daichi Miyamoto (Tokyo Denki University)				
11:30-13:00	Break							
13:00-15:00	Session Room 1 (1204)		Session Room 2 (1205)			Session Room 3 (1206)		
	IS3: Intelligent Sensing Applications for Human Support Systems		TT10: Control and Power Electronics			V2: Video and Interactive Session 2		
	Prof. Sota Shimizu		Prof. Kenji Natori			Prof. Koichi Hidaka		
	Prof. Hiroshi Igarashi		Prof. Atsushi Umemura			Mr. Jurgen van Zundert		
	Title		First Autor	Title		First Autor		
	IS3-1	Remote Control Method for Mobile Robot by using Force Feedback Based on Collision Prediction Map	Naoki Motoi (Kobe University)	TT10-1	Model Identification of Vibration Suppression Controller for PMSM	Hajime Yamao (Mie University)		
	IS3-2	Skill Analysis Using Motion Frequency of Time Series Picture Data	Toshiyuki Maeda (Hannan University)	TT10-2	Combination Method of Model Predictive Direct Torque Control and Optimized PWM Pattern for Fast Torque Response and Reduced Harmonic Current	Tenjiro Hiwatari (Nagaoka University of Technology)		
IS3-3	Man-Machine Interaction using View Line Input - A Proposal of Misdirection Game -	Ryosuke Iyatomi (Shibaura Institute of Technology)	TT10-3	Dead-Time Errorless PWM Method for n-Switch Inverter	Kohei Kamada (Mie University)			
IS3-4	A Study on Synchronous Effect of A Blinking Eyes Desktop Mascot on PC User Eyes Under Stroop Color Word Tasks	Takeshi Toda (Nihon University)	TT10-4	Study on sliding mode switching pattern generation focusing on neutral point voltage	Keita Akiho (Chuo University)			
IS3-5	Flexible Calibration by Regularization for Line Sensor Camera	Hironobu Fukai (MEIDENSHA CORPORATION)	TT10-5	AC Servo System Driven by Single-Phase to Three-Phase Matrix Converter Considering Motor Current Limitation of Uncontrollable Voltage Phase	Katsuhiko Tsuruoka (Nagaoka University of Technology)			
IS3-6	Force Sensor-less Surface Force Feedback Interface by MR Fluid	Hiroshi Igarashi (Tokyo Denki University)	TT10-6	State Estimation Based on Multirate Kalman Filter for Power Systems Driven by Switching Inverter	Hiroki Kurumatani (Keio University)			
15:00-15:30	Break							
15:30-17:30	Session Room 1 (1204)		Session Room 2 (1205)			Session Room 3 (1206)		
			TT11: Robotics and Mechatronics 2			V3: Video and Interactive Session 3		
			Prof. Kazuhiro Yubai			Prof. Kazuaki Ito		
			Prof. Takahiro Nozaki			Prof. Yuki Nagatsu		
			Title	First Autor				
			TT11-1	Study on relationship between tendon arrangement and force of tendon driven mechanisms	Koichiro Nagazoe (Mie University)			
			TT11-2	Design and Simulation of 7-DoF Robot Arm Driven by Helical Motors	Yoshiki Naito (Yokohama National University)			
		TT11-3	Torsion Torque-Regulation-Based Load-side Acceleration Control Using Double Encoders and Double Disturbance Observers	Yasunori Murase (Nagaoka University of Technology)				
		TT11-4	Posture Determination of Tendon Drive Arms with Nonlinear Springs Considering Maximum Force and Stiffness in Work Space	Akihisa Hirata (Mie University)				
		TT11-5	Variable Heat Disturbance Observer for Robust Control of the Peltier Device	Yukiko Osawa (Keio University)				
		TT11-6	Hopping-Height and Oscillation-Timing Control with Optimal Design of Spring Parameters	Yoshitaka Abe (Keio University)				