

Session Room 1 (Keyaki Kaikan, Main Hall)		
V1: Video and Interactive Session 1		
13:00–14:00 Video (or oral short speech) Session		
14:00–15:00 Poster Session		
Prof. Yoshiyuki Urakawa		
Prof. Yuki Nagatsu		
	Title	First Autor
V1-1	Tip-Tilt and Out-of-plane Motion Control of a Fast Steering Mirror Driven by Voice Coil Motors and a Piezo-clamping Mechanism	Kouki Akeno (Tokyo Institute of Technology)
V1-2	Efficient Auto-tuning of Feedback Control Parameters for Fast and Precise Positioning Control of Galvano Scanner	Naoki Gou (Nagoya Institute of Technology)
V1-3	Position Estimation Based on Resistance Calculation Considering Temperature in Shape-Memory-Alloy Actuators	Takuya Sakagami (Nagoya Institute of Technology)
V1-4	Force Sensorless Control Using External Circuit in Piezoelectric Bimorph Actuators	Yuya Sakuragi (Nagoya Institute of Technology)
V1-5	Cooperative Optimization-based Autonomous Feedback Controller Design for a Servo System with Resonant Modes	Takahiro Uchizono (Nagoya Institute of Technology)
V1-6	Frequency-Varying Periodic-Disturbance Compensation for Periodic Force Control	Hisayoshi Muramatsu (Keio University)
V1-7	Trajectory tracking controller based on linear model predictive control for omn-wheeled mobile robots with velocity command limits	Reona Suzuki (Aichi Prefectural University)
V1-8	An Experimental Study on Attitude Control System for Small Satellite by using Dual Reaction Wheel	Sojiro Obuchi (National Institute of Technology, Gunma College)
V1-9	Vibration Control for Electric Vehicle with In-Wheel Motors on Slippery Road using Driving Force Control	Tomonori Suzuki (The University of Tokyo)
V1-10	Automatic parking control in which driver does not feel anxiety	Kenichi Matsuoka (Tokyo Denki university)
V1-11	Haptic Transmission under Time Delay by Using Estimated Environmental Impedance	Shuhei Kimura (Keio University)
V1-12	Force Sensorless Force Control Based on Reaction Force Observer Considering Thrust Constant Fluctuation	Koh Ohno (National Institute of Technology, Toyota College)

Session Room 2 (Keyaki Kaikan, Meeting Room 2)		
V2: Video and Interactive Session 2		
13:00–14:00 Video (or oral short speech) Session		
14:00–15:00 Poster Session		
Prof. Seiichiro Katsura		
Dr. Eiichi Saito		
	Title	First Autor
V2-1	Suppression method of sudden disturbance for the velocity control of a tilling claw	Takeru Tada (Nagaoka University of Technology)
V2-2	Attitude Control of Drones by CMG	Shintaro Kiga (Waseda University)
V2-3	IPM Insertion Using Force Sense and Visual Feedback Control	Yoshiaki Ichikawa (Gifu University)
V2-4	Optimal Posture Planning on Humanoid Climbing Robot	Yudai Noda (Shibaura Institute of Technology)
V2-5	Realtime Discretization of Disturbance Observer Based on FDTD Method for Time-Variant System	Hiroataka Muto (Nagaoka university of technology)
V2-6	Reduction of nonlinear distortion in a stick-slip suppression system using velocity-triggered high-frequency damping	Juan Padron (Nagaoka University of Technology)
V2-7	An Optimal Mixture of the Position Control Part and the Force Control Part in the Bilateral Control System	Tomoya Fujii (National Institute of Technology, Gunma College)
V2-8	A Preliminary Study on Stability of Multilegged Robot by Jacobian Determinant	Sota Okada (National Institute of Technology, Gunma College)
V2-9	Velocity control of planetary gear mechanism considering nonlinear friction model in low speed range	Kyosuke Ebina (Nagaoka University of Technology)
V2-10	Self-sustaining Posture Control of an Unmanned Motorbike using a Twin Control Moment Gyroscope	Nariyuki Kodani (Meiji University)
V2-11	Improvement of accuracy of speed estimation using EnKF in 4-axis driven electric ship for improving accuracy of motion control	Hiroshi Kudo (Nagaoka University of Technology)
V2-12	Development of an Opposed Type Master Device using a Parallel Link Robot and Study on Teleoperation	Shinji Kondo (Gifu University)

Session Room 3 (Keyaki Kaikan, Meeting Room 3)		
V3: Video and Interactive Session 3		
13:00–14:00 Video (or oral short speech) Session 14:00–15:00 Poster Session		
Prof. Sota Shimizu Prof. Kenji Natori		
	Title	First Autor
V3-1	Development of Magnetic Absolute Encoder using Eccentric Structure with Multipolar Magnet	Kazuki Otomo (Chuo University)
V3-2	Measurement Method of Joint Moments for Lower Limbs During Walking with Wearable Sensors	Kaiki Fukutoku (Keio University)
V3-3	A Method to Estimate Pressing Positions of Guitar String for Guitar Solo Skill Acquisition	Mana Sasaoka (Tokushima University)
V3-4	Electromagnetic excitation by sinusoidal d-axis current of a built-in motor to monitor the dynamic characteristics of rotor system	Ren YANG (Tokyo Institute of Technology)
V3-5	Multi-People Tracking in Indoor Video Surveillance System	Abudoureheman TUNIYAZI (Tokushima University)
V3-6	Development of the DDISA (Direct Drive Intelligent Servo Actuator) – Experimental evaluation of independent connection drive system –	Naoki Kita (Chuo University)
V3-7	Variable reduction ratio mechanism using flow path change	Kei Sugihara (Keio University)
V3-8	Arousal level Estimation Using Heart Rate Variation and Eye Movement by Unconstrained Measurement	Suguru Miyamoto (Chuo University)
V3-9	Versatile Functional Electrical Stimulation Control System for Controlling Musculoskeletal System	Akira Hirata (Keio University)
V3-10	Verification of Healing Effect of Rabbit-type Pet Robot using Harmonic Vibration	Keisuke Yoshikawa (Chuo University)
V3-11	Extracorporeal Centrifugal Blood Pump Using Switched Reluctance Type Bearingless Motor	Ryo Yamamoto (Tokyo Institute of Technology)