	Section Beam 1 (1904)			March 6th						
	SS2: New Actuation Technology for Mechatronic Systems				TT1: Automotive Mobile System 1			TT2: Measurement and Diagnosis		
9:30-11:30		Prof Yasutaka Fujimoto			Prof Valentin Ivanov			Prof Nacki Oda		
		Drof Tomoviki Chimana								
		Title First Autor			Dr. Takashi Title	ramaguchi First Autor		Title	sni Suzuki First Autor	
	SS2-1	Analysis of The Cross-Coupled Two-Degree-of-Freedom Motor with Coil Back Yoke	Yoshiyuki Hatta (Yokohama National University)	TT1-1	Basic Study on Range Extension Autonomous Driving Considering Uncertainty of Signal Information	Naoyuki Ogawa (The University of Tokyo)	TT2-1	Development of an Angle Measurement System Using Monocular Camera and Moir`e Patterns	Junya Tsunoda (Saitama University)	
	SS2-2	Proposal of Load-side Encoder Based Slip Ratio Estimation Method for 4-wheeled In-wheel- motor with Reduction Gear	Tomoki Emmei (The University of Tokyo)	TT1-2	Experimental Verification of Localization by Optimization Considering Occupancy	Toshifumi Matsuno (Yokohama National University)	TT2-2	An ANN for Estimation of Power Consumption of EV/HEV for Real Time Battery Diagnosis	Minella Bezha (Doshisha University)	
	SS2-3	Design Analysis for A Novel Wireless Resonant Actuator	Besong John Ebot (Yokohama National University)	TT1-3	Dynamic Voltage Control for Maximum Efficiency Operation of WPT with Secondary-side Supercapacitor	Kensuke Hanajiri (The University of Tokyo)	TT2-3	Drowsiness Estimation using RR Interval Variation for Vehicle	Takaya Sano (Chuo University)	
	SS2-4	Simultaneous design of linear motion and power-saving magLev control of helical motor	Masato Koyama (Mie University)	TT1-4	Experimental Study on Optimal Formation Control System for Autonomous Swarm Robot	Toshiki Midorikawa (National Institute of Technology, Gunma College)	TT2-4	Heat Inflow Control under the Heat Interference Using Environment Quarrier	Yuji Kimura (Keio University)	
	SS2-5	Radial-Gap Helical RotLin Machine Attainment as an Alternative of New Actuation Technologies	Christophe Cyusa (Yokohama National University)	TT1-5	Speed Control of Tilling Claw Considering Periodic Reaction Torque of Electric Tiller	Junichi Fukui (Nagaoka University of Technology)	TT2-5	Object and person recognition method using deep learning for service robot	Hiroshi Sugano (Shibaura Institute of Technology)	
	SS2-6	Comparison of a Voice Coil and a Hybrid Reluctance Actuator via FEM	Francesco Cigarini (Vienna University of Technology)	TT1-6	Detection of Road Direction Using 2D LRF in Unknown Environment	Ryo Toshimitsu (Yokohama National University)				
11:30-13:00	Break									
13.00-13.10					Niwa Hall					
10.00 10.10	Opening									
13:10-14:05	Plenary Session 1: DrIng. habil. Valentin Ivanov, "Challenges of Integrated Vehicle Chassis Control: Some Findings of The European Project EVE"									
14:05-15:00	Plenary Session 2: Prof.Dr. Georg Schitter, "System Integration and Control of Mechatronic Imaging Systems"									
15:00-15:30	00-15:30 Break									
15:30-17:30	Session Room 1 (1204)				Session Room 2 (1205)			Session Room 3 (1206)		
	IS2: What is the Key to Future Haptics?				Die Techinees Minereli			Duf Kinghi Ohishi		
	Prof. Toshiaki Tsuji				Pro. Toshimasa Miyazaki			Prof. Kiyoshi Uhishi		
		Prof. Yosu	ike Asano		Prof. Chowari	t Mitsantisuk First Autor		Prof. Michae	el Ruderman	
	IS2-1	Functional Haptic Actuators for Human Support Applications	Tomoyuki Shimono (Yokohama National University)	TT3-1	Minimum-time Maneuver and Friction Coefficient Estimation Using Slip Ratio Control for Autonomously-Driven Electric Vehicle	Hiroyuki Fuse (The University of Tokyo)	TT4-1	Analysis of Low-Cogging PM Motor for Highly Backdrivable Actuators	Hiroyuki Noma (Yokohama National University)	
	IS2-2	Fine Torsion Torque Control for Vibration Suppression of Load-side Acceleration and Its Internal Stability	Yuki Yokokura (Nagaoka University of Technology)	TT3-2	Mobile Control with Two-wheeled Inverted Pendulum Robot for Human Following	Kanji Ubukata (Shibaura Institute of Technology)	TT4-2	Development of motor using heat pipe mechanism	Akihiro Katsuno (Keio University)	
	IS2-3	How Can We Apply Our Haptic Technologies to Scientific Studies?	Masayuki Hara (Saitama University)	TT3-3	Mechanical-Backlash-based Minimum Jerk Final-state Control for Shockless Clutch Engagement	Akira Yamaguchi (Nagaoka University of Technology)	TT4-3	Design and analysis of multi- layered coreless permanent magnet synchronous motor	Koki Sakuma (Yokohama National University)	
	IS2-4	FingerVision for Tactile Behaviors, Manipulation, and Haptic Feedback Teleoperation	Akihiko Yamaguchi (Tohoku University)	TT3-4	A Simplification of Motion Generation Method in the Singular Configuration of a Wheel-Legged Mobile Robot	Kenta Nagano (Yokohama National University)	TT4-4	Analysis of Indirect Force Control System which Includes Close-loop Velocity Control System Using Ultrasonic Motor	Daiki Yonemoto (Mie University)	
				TT3-5	An Attitude Control considering Sideslip Phenomenon for Four- Wheel Steering Vehicle	Hiromu Soubou (Shibaura Institute of Technology)	TT4-5	The Robustness Verification of Motor Ripple Reduction System	Yuma Itokawa (Mie University)	
				TT3-6	Fundamental Study of Four Wheel Steering System without Rear Steer Actuator for Four Wheel Driving Electric Vehicles	Kota Miyahara (The University of Tokyo)				