Date: Place:	 July 11, 2008 Conference Room 304, 3rd Floor, Ishikawadai 3 Bldg., Tokyo Institute of Technology (Ohokayama Car 2-12-1 Ohokayama, Meguro-ku, Tokyo 152-8552 (8 min. walk from Ohokayama Station, Tokyu Meguro-line and Ohimachi-line) 	npus)
Program:		
	5 Opening Address by Yoshihiko NAKAMURA President, Jc-IFToMM (Univ. of Tokyo)	
Sessio	on 1 : Robotics Chair: Masafumi OKADA (Tokyo Tech.) (13:	10-14:10)
13:10	Development of 3-URU Pure Rotational Parallel Mechanism with Error Compensation Devices *Soichiro MATSUDA (Graduate Student, Tokyo Tech), Yukio TAKEDA (Tokyo Tech) and Masaru HI	IGUCHI
13:30	Study on Designing a Biped Robot with Bi-articular Muscle Type Bi-lateral Servo System *Kotaro FUJIMOTO (Graduate Student, Tokyo Denki Univ.), Yukio SAITO (Tokyo Denki Univ.) and Atsushi UMEMURA	
13:50	Switching Control and Quick Stepping Motion for Falling Avoidance of Humanoid Robot *Kou YAMAMOTO (Graduate Student, Univ. of Tokyo) and Yoshihiko NAKAMURA (Univ. of Toky	70)
Sessio	on 2 : Dynamics and Accuracy (14 Chair: Nobuyuki IWATSUKI (Tokyo Tech.)	:30-15:50)
14:30	Analysis of Nonlinear Vibration System by Higher Oder Spectra *Hiroyuki MATSUMOTO (Institute of Technologists), Yuuto ONODERA (MAKITA Corp.), Hisami OHISHI (Kogakuin Univ.) and Shinji YAMAKAWA	
14:50	Design of Leg Mechanism for Impact Absorption Based on Kineto-static Mechanical Synthesis of Close Kinematic Chain *Jun TAKEISHI (Graduate Student, Tokyo Tech) and Masafumi OKADA (Tokyo Tech)	ed
15:10	Friction Control Based on Ultrasonic Oscillation for Rolling-element Linear-motion Guide (4 th Report) *Takaaki OIWA (Shizuoka Univ.) and Aizat	
15:30	Evaluation Method of Gear Measuring Instrument Using Wedge Artifact *Masaharu KOMORI (Kyoto Univ.), Fumi TAKEOKA, Kazuhiko OKAMOTO, Aizoh KUBO, Sonko OSAWA (AIST) Osamu SATO and Toshiyuki TAKATSUJI	
	on 3 : Application of Robots (16: Yukio TAKEDA (Tokyo Tech.)	10-17:10)
16:10	Motion Control of an In-pipe Mobile Robot Based on Position Estimation by Only Posture Sensing Savaruj NARAMONTHON (Nissan Motor) and *Nobuyuki IWATSUKI (Tokyo Institute of Technologica)	ogy)
16:30	 Space Securing in Minimally Invasive Brain Surgery Development of Master System Considering Maneuverability – *Yosuke AKABANE (Kogakuin Univ.), Hideki TAKANOBU, Kenji SUZUKI, Hirofumi MIURA, Shuta MATSUMURA, Haruka KAWAMITSU, Jun OKAMOTO (Waseda Univ.), Masakatsu G. FUJI and Hiroshi ISEKI (Women's Medical Univ.) 	Œ
16:50	 Development of the Anthropomorphic Saxophonist Robot WAS-2 Improvement of the Lip's Mechanisms and Mechanism Designing of an Anthropomorphic Hand – *Shimpei ISHIKAWA (Graduate Student, Waseda Univ.), Tetsuro YAMAMOTO, Masaaki TAKEUCHI Petersen KLAUS, Solis JORGE (Waseda Univ.) and Atsuo TAKANISHI 	I,
17:10) Closing Address by Haruo HOUJOH Vice President, Jc-IFToMM(Tokyo Tech.)	
17:20) Annual Meeting 2009 (17 Address from president: Yoshihiko NAKAMURA(Univ. of Tokyo) Chair : Nobuyuki IWATSUKI (Tokyo Tech.)	20-18:00)
18:10) Wine party at Room 305, 3rd Floor, Ishikawadai 3 Bldg. The fee is 5,000 Jpn yen and free for students. (18)	:10-19:40)

The 15th Symposium on Theory of Machines and Mechanisms