

March 7th Tue. TU1(13:00-15:00)

TU1A (Room A, 170)	TU1B (Room B, 270)	TU1C (Room C, 470)	TU1D1 (Room D1, 634)	TU1D2 (Room D2, 635)
OS:Dynamics, Morphology, and Materials in Intelligent Behavior1	OS:Emergent Synthesis1	OS:Mutual Adaptation among Man and Machines1	OS:Evolution and Learning1	OS:Women in Robotics, Human Science and Technology1
Session Chair: Prof. Rolf Pfeifer	Session Chair: Prof. Kanji Ueda	Session Chair: Prof. Hiroshi Yokoi	Session Chair: Prof. Kazuhiro Ohkura and Prof. Kosuke Sekiyama	Session Chair: Prof. Mihoko Otake and Dr. Keiko Homma
TU1A-1 13:00-13:30	TU1B-1 13:00-13:30	TU1C-1 13:00-13:30	TU1D1-1 13:00-13:30	TU1D2-1 13:00-13:30
Emergence of Insect Navigation Strategies from Homogeneous Sensorimotor Coupling	Hormone-inspired Adaptive Distributed Synchronization of Reconfigurable Robots	Effects of Shared Communicational Modality to Joint Activity of Human Operator and Robot Autonomy	Learning the Cooperative Behaviors of Seesaw Balancing Agents - an Actor-Critic Approach -	Behavior Generation of Humanoid Robots Depending on Mood
Simon Bovet	Feili Hou and Wei-Min Shen	Yukio Horiguchi and Tetsuo Sawaragi	Takashi Kawakami, Masahiro Kinoshita, and Yukinori Kakazu	Kazuko Itoh, Hiroyasu Miwa, Yuko Nukariya, Massimiliano Zecca, Hideaki Takanobu, Stefano Roccella, Maria Chiara Carrozza, Paolo Dario, and Atsuo Takanishi
TU1A-2 13:30-14:00	TU1B-2 13:30-14:00	TU1C-2 13:30-14:00	TU1D1-2 13:30-14:00	TU1D2-2 13:30-14:00
Active Learning of Local Structures from Attentive and Multi-resolution Vision	Spatial Prisoner's Dilemma in a Network Environment Introducing Heterogeneous Information Distribution	Learning of Object Identification by Robots Commanded by Natural Language	Evolutionary Reinforcement Learning for Simulated Locomotion of a Robot with a Two-link Arm	Construction of Human-robot Cooperating System Based on Structure/Motion Model
Maxime Cottret and Michel Devy	Hiroshi Kuraoka, Nobutada Fujii, and Kanji Ueda	Chandimal Jayawardena, Keigo Watanabe, and Kiyotaka Izumi	Yohannes Kassahun and Gerald Sommer	Fumi Seto, Yasuhisa Hirata, and Kazuhiro Kosuge
TU1A-3 14:00-14:30	TU1B-3 14:00-14:30	TU1C-3 14:00-14:30	TU1D1-3 14:00-14:30	TU1D2-3 14:00-14:30
Modular Design of Home Service Robot System with Hierarchical Colored Petri Net	Behavioral Decision for Multi-agent Systems with Dynamic Interaction	Biofeedback System for an EMG Prosthetic Hand	Metric State Space Reinforcement Learning for a Vision-capable Mobile Robot	Motion Assist Devices for Rehabilitation Using Parallel Wire Mechanisms
Guohui Tian, Feng Duan, and Tamio Arai	Yusuke Ikemoto and Toshio Fukuda	Alejandro Hernández Arieta, Hiroshi Yokoi, Takashi Ohnishi, and Tamio Arai	Viktor Zhumatiy, Faustino Gomez, Marcus Hutter, and Juergen Schmidhuber	Keiko Homma
TU1A-4 14:30-15:00	TU1B-4 14:30-15:00		TU1D1-4 14:30-15:00	
Auctions for Task Allocation to Robots	Co-creative Composition Using Multiagent Learning: Toward Emergence of Musical Structure		Transition Entropy in Partially Observable Markov Decision Processes	
Maitreyi Nanjanath and Maria Gini	Shintaro Suzuki, Takeshi Takenaka, and Kanji Ueda		Francisco S. Melo and Isabel Ribeiro	

March 7th Tue. TU2(15:20-17:20)

TU2A (Room A, 170)	TU2B (Room B, 270)	TU2C (Room C, 470)	TU2D1 (Room D1, 634)	TU2D2 (Room D2, 635)
Biped Robot Control	OS:Emergent Synthesis2	OS:Mutual Adaptation among Man and Machines2	OS:Evolution and Learning2	OS:Women in Robotics, Human Science and Technology2
Session Chair: Dr. Max Lungarella	Session Chair: Prof. Kanji Ueda	Session Chair: Prof. Tetsuo Sawaragi	Session Chair: Prof. Gerald Sommer and Dr. Ryosuke Chiba	Session Chair: Prof. Mihoko Otake and Dr. Keiko Homma
TU2A-1 15:20-15:50	TU2B-1 15:20-15:50	TU2C-1 15:20-15:50	TU2D1-1 15:20-15:50	TU2D2-1 15:20-15:50
Behavior Transition between Biped and Quadruped Walking by Using Bifurcation	Self-assembly of Mobile Robots: From Swarm-bot to Super-mechano Colony	Wearable Inertial Sensors for Arm Motion Tracking in Home-based Rehabilitation	Movement Control of Tensegrity Robot	Analysis of Skill Acquisition Process - a Case Study of Arm Reaching Task
Kenji Asa, Kosei Ishimura, and Mitsuo Wada	Roderich Gross, Marco Dorigo, and Masaki Yakakita	Huiyu Zhou, Huosheng Hu, and Nigel Harris	Masaru Fujii, Shinichiro Yoshii, and Yukinori Kakazu	Kahori Kita, Hiroshi Yokoi, and Tamio Arai
TU2A-2 15:50-16:20	TU2B-2 15:50-16:20	TU2C-2 15:50-16:20	TU2D1-2 15:50-16:20	TU2D2-2 15:50-16:20
Measurement and Simulation Verification of Reflexive Responses to Perturbation during Walking	Lot Release Control Using Genetics Based Machine Learning in a Semiconductor Manufacturing System	Learning and Control Model of Arm Posture	An Adaptive Neural Controller for a Tendon Driven Robotic Hand	Generation of Size-variable Image Template for Self-position Estimation Considering Position Shift
Shahed Sarwar, Wenwei Yu, Masaru Kumagai, Masaki Sekine, Tamotsu Katane, Toshiyo Tamura, and Osami Saitou	Ryohei Takasu., Nobutada Fujii, Kanji Ueda, and Motohiro Kobayashi	Kyoungsik Kim, Hiroyuki Kambara, Duk Shin, Makoto Sato, and Yasuharu Koike	Gabriel Gómez, Alejandro Hernandez, and Peter Eggenberger Hotz	Kae Doki, Naohiro Isetani, Akihiro Torii, and Akiteru Ueda
TU2A-3 16:20-16:50	TU2B-3 16:20-16:50	TU2C-3 16:20-16:50	TU2D1-3 16:20-16:50	TU2D2-3 16:20-16:50
Toward a Human-like Biped Robot with Compliant Legs	Design of an AGV Transportation System by Considering Management Model in an ACT	Competitive Learning Method for Robust EMG-to-motion Classifier	Self-organizing Route Guidance Systems Based on Coevolution of Multi-layered Guidance Vector Fields	Subjective Age Estimation System Using Facial Images
Fumiya Iida, Yohei Minekawa, Juergen Rummel, and Andre Seyfarth	Satoshi Hoshino, Jun Ota, Akiko Shinozaki, and Hideki Hashimoto	Ryu Kato, Hiroshi Yokoi, and Tamio Arai	Yasuhiro Ohashi and Kosuke Sekiyama	Noriko Nagata, Naoyuki Miyamoto, Yumi Jinnouchi, and Seiji Inokuchi
	TU2B-4 16:50-17:20	TU2C-4 16:50-17:20		
	An Analysis of Purchase Decision Making : Network Externalities and Asymmetric Information	Mutual Adaptation among Man and Machine by Using f-MRI Analysis		
	Yohei Kaneko, Nariaki Nishino, Sobei H. Oda, and Kanji Ueda	Hiroshi Yokoi, Alejandro Hernandez Arieta, Ryu Katoh, Takashi Ohnishi, Wenwei Yu, and Tamio Arai		

March 8th Wed. WE1(10:50-12:20)

WE1A (Room A, 170)	WE1B (Room B, 270)	WE1C (Room C, 470)	WE1D (Room D, 634+635)
Adaptation in Control	Motion Planning	Neural Network and Self Organization	OS:Pannel Discussion (Women in Robotics, Human Science and Technology) Session Chair: Prof. Mihoko Otake and Dr. Keiko Homma
Session Chair: Dr. Denny Nurjanto Oetomo	Session Chair: Prof. Enrico Pagero	Session Chair: Dr. Toshiyuki Kondo	
WE1A-1 10:50-11:20	WE1B-1 10:50-11:20	WE1C-1 10:50-11:20	
Adaptive Control Strategy for Micro/Nano Manipulation Systems	Multi-resolution Field D*	Group Transport Along a Robot Chain in a Self-organised Robot Colony	
Hwee Choo Liaw, Denny Oetomo, Bijan Shirinzadeh, and Gursel Alici	Dave Ferguson and Anthony Stentz	Shervin Nouyan, Roderich Groß, Marco Dorigo, Michael Bonani, and Francesco Mondada	
WE1A-2 11:20-11:50	WE1B-2 11:20-11:50	WE1C-2 11:20-11:50	
Smart Roadster Project: Setting Up Drive-by-wire or How to Remote-control Your Car	Path and Obserbation Planning of Vision-based Mobile Robots with Multiple Sensing Strategies	Growing Virtual Neural Tissue: Binding Spiking Neurons through Sensory Input	
Joachim Schroeder, Udo Mueller, and Ruediger Dillmann	Mitsuaki Kayawake, Atsushi Yamasita, and Toru Kaneko	Pascal Kaufmann and Gabriel Gómez	
	WE1B-3 11:50-12:20		
	Mobile Robot Motion Planning Considering Path Ambiguity of Moving Obstacles		
	Hiroshi Koyasu and Jun Miura		

March 8th Wed. WE2(13:30-15:30)

WE2A (Room A, 170)	WE2B (Room B, 270)	WE2C (Room C, 470)	WE2D1 (Room D1, 634)	WE2D2 (Room D2, 635)
OS:RoboCup1	Navigation	OS:Mobiligence1	OS:Evolution and Learning3	OS:Women in Robotics, Human Science and Technology3
Session Chair: Dr. Yasutake Takahashi, Prof. Emanuele Menegatti and Mr. Ryuichi Ueda	Session Chair: Mr. Julian Ryde	Session Chair: Prof. Hajime Asama	Session Chair: Prof. Takashi Kawakami and Dr. Ryosuke Chiba	Session Chair: Prof. Mihoko Otake and Dr. Keiko Homma
WE2A-1 13:30-14:00	WE2B-1 13:30-14:00	WE2C-1 13:30-14:00	WE2D1-1 13:30-14:00	WE2D2-1 13:30-14:00
Cooperative Agent Behavior Based on Special Interaction Nets	Robotic Navigation Using Harmonic Functions and Finite Elements	A Modular Robot That Self-assembles	Object Transportation Using Two Humanoid Robots Based on Multi-agent Path Planning Algorithm	Evaluation and Suppression of Overrun of Microorganisms Using Dynamics Model for Microrobotic Application
Oliver Zweigle, Reinhard Lafrenz, Thorsten Buchheim, Uwe-Philipp Kaeppler, Hamid Rajaie, Frank Schreiber, and Paul Levi	Santiago Garrido and Luis Moreno	Akio Ishiguro, Hiroaki Matsuba, Tomoki Maegawa, and Masahiro Shimizu	Shotaro Kamio and Hitoshi Iba	Naoko Ogawa, Hiromasa Oku, Koichi Hashimoto, and Masatoshi Ishikawa
WE2A-2 14:00-14:30	WE2B-2 14:00-14:30	WE2C-2 14:00-14:30	WE2D1-2 14:00-14:30	WE2D2-2 14:00-14:30
A Framework for Advanced Robot Programming in the RoboCup Domain	The Specifiability Requirement in Mobile Robot Self-localization	Autonomous Robust Execution of Complex Robotic Missions	Cognitive Map Plasticity and Imitation Strategies to Extend the Performance of a MAS	From Muscle to Brain: Modelling and Control of Functional Materials and Living Systems
Hayato Kobayashi, Akira Ishino, and Ayumi Shinohara	Francesco Capezio, Antonio Sgorbissa, and Renato Zaccaria	Paul Robertson, Robert Effinger, and Brian Williams	P. Laroque, E. Fournier, P. H. Phong, and P. Gaussier	Mihoko Otake
WE2A-3 14:30-15:00	WE2B-3 14:30-15:00	WE2C-3 14:30-15:00	WE2D1-3 14:30-15:00	WE2D2-3 14:30-15:00
Major Behavior Definition of Football Agents through XML	Ghost-goal Algorithm for Reactive Safe Navigation in Outdoor Environments	Emergence of Small-world in Ad-hoc Communication Network among Individual Agents	Examination of Abilities Based on Pseudolite System for Indoor Positioning	Using the Sony AIBOs to Increase Diversity in Undergraduate CS Programs
Jose Luis Vega, Ma. de los Angeles Junko, and Jorge Ramirez	Mattia Castelnovi, Antonio Sgorbissa, and Renato Zaccaria	Daisuke Kurabayashi, Tomohiro Inoue, Akira Yajima, and Tetsuro Funato	Isamu Kitano and Keiji Suzuki	Maria Gini, Jan Pearce, and Karen Sutherland
WE2A-4 15:00-15:30	WE2B-4 15:00-15:30	WE2C-4 15:00-15:30	WE2D1-4 15:00-15:30	
Getting Back on Two Feet: Reliable Standing-up Routines for a Humanoid Robot	Autonomous Robot Vision System for Environment Recognition	Parametric Path Planning for a Car-like Robot Using CC Steers	A Memory-based PID Controller for Indoor Airship Robot	
Joerg Stueckler, Johannes Schwenk, and Sven Behnke	Woong-Jae Won, Sang-Woo Ban, and Minho Lee	Yossawee Weerakamhaeng, Takashi Tsubouchi, Masamitsu Kurisu, and Shigeru Sarata	Takamasa Sato and Keiji Suzuki	

March 8th Wed. WE3(15:50-17:20)

WE3A (Room A, 170)	WE3B (Room B, 270)	WE3C (Room C, 470)	WE3D1 (Room D1, 634)	WE3D2 (Room D2, 635)
OS:RoboCup2	Multi-agent Robots	OS:Mobiligence2	OS:Evolution and Learning4	Network Agent Systems
Session Chair: Dr. Yasutake Takahashi, Prof. Emanuele Menegatti and Mr. Ryuichi Ueda	Session Chair: Prof. Minho Lee	Session Chair: Prof. Jun Ota	Session Chair: Prof. Kazuhiro Ohkura and Prof. Philippe Laroque	Session Chair: Prof. Kosei Ishimura
WE3A-1 15:50-16:20	WE3B-1 15:50-16:20	WE3C-1 15:50-16:20	WE3D1-1 15:50-16:20	WE3D2-1 15:50-16:20
Ball Tracking with the Velocity Based on Monte-Carlo Localization	An Experimental Study of Distributed Robot Coordination	Self-organizing Planner for Multiple Mobile Robot Exploration and Patrol	Co-evolutionary Design for AGV Systems	Exploration of Complex Growth Mechanics of City Traffic Jam for the Adaptive Signal Control
Jun Inoue, Akira Ishino, and Ayumi Shinohara	Stefano Carpin and Enrico Pagello	Chomchana Trevai, Jun Ota, and Tamio Arai	Ryosuke Chiba, Jun Ota, and Tamio Arai	Kouhei Hamaoka and Mitsuo Wada
WE3A-2 16:20-16:50	WE3B-2 16:20-16:50	WE3C-2 16:20-16:50	WE3D1-2 16:20-16:50	WE3D2-2 16:20-16:50
Fast Vector Quantization for State-action Map Compression	Single-sensor Probabilistic Localization on the SeReS Self-reconfigurable Robot	Adaptive Action Selection of Body Expansion Behavior in Multi-robot System Using Communication	An Update Method of Computer Simulation for Evolutionary Robotics	An Adaptive Behavior of Mobile Ad Hoc Network Agents
Kazutaka Takeshita, Ryuichi Ueda, and Tamio Arai	Kenneth Payne, Jacob Everist, Feili Hou, and Wei-Min Shen	Tomohisa Fujiki, Kuniaki Kawabata, and Hajime Asama	Yoshiaki Katada and Kazuhiro Ohkura	Masao Kubo, Chau Dan and Hiroshi Sato, and Takashi Matubara
WE3A-3 16:50-17:20	WE3B-3 16:50-17:20	WE3C-3 16:50-17:20	WE3D1-3 16:50-17:20	
Incremental Purposive Behavior Acquisition Based on Modular Learning System	Mutual Localisation and 3D Mapping by Cooperative Mobile Robots	From Mobility to Autopoiesis: Acquiring Environmental Information to Deliver Commands to the Effectors	Vision-based Teleoperation of a Mobile Robot with Visual Assistance	
Tomoki Nishi, Yasutake Takahashi, and Minoru Asada	Julian Ryde and Huosheng Hu	Antonio D'Angelo and Enrico Pagello	Naoyuki Kubota, Daisuke Kouda, Shinichi Kamijima, Kazuhiko Taniguchi, and Yasutsugu Nogawa	

March 9th Thu. TH1(10:05-11:35)

TH1A (Room A, 170)	TH1B (Room B, 270)	TH1C (Room C, 470)	TH1D(Room D, 634+635)
Adaptation in Perception	Tracking Control & Active Vision	Environmental Representation in Robot Navigation	OS:Real World Information Systems1
Session Chair: Mr. Ryuichi Ueda	Session Chair: Dr. Ryosuke Chiba	Session Chair: Prof. Keigo Watanabe	Session Chair: Dr. Masao Sugi
TH1A-1 10:05-10:35	TH1B-1 10:05-10:35	TH1C-1 10:05-10:35	TH1D-1 10:05-10:35
A Reactive Approach for Object Finding in Real World Environments	A Laser Based Multi-target Tracking for Mobile Robot	The Hippocampal Place Cells and Fingerprints of Places: Spatial Representation Animals, Animats and Robots	Simple Form Recognition Using Bayesian Programming
Abdelbaki Bouguerra	Masafumi Hashimoto, Satoshi Ogata, Fuminori Oba, and Takeshi Murayama	Adriana Tapus, Francesco Battaglia, and Roland Siegwart	Guy Ramel, Adriana Tapus, François Aspert, and Roland Siegwart
TH1A-2 10:35-11:05	TH1B-2 10:35-11:05	TH1C-2 10:35-11:05	TH1D-2 10:35-11:05
A Geometric Approach for an Intuitive Perception System of Humanoids	Simultaneous Environment Mapping and Mobile Target Tracking	Incremental Reconstruction of Generalized Voronoi Diagrams on Grids	Towards Robust Classification with Bayesian Networks: A New Perspective on Belief Propagation
David Israel Gonzalez-Aguirre and Eduardo Jose Bayro-Corrochano	Abedallatif Baba and Raja Chatila	Nidhi Kalra, Dave Ferguson, and Anthony Stentz	Jan Nunnink and Gregor Pavlin
TH1A-3 11:05-11:35	TH1B-3 11:05-11:35	TH1C-3 11:05-11:35	TH1D-3 11:05-11:35
Autonomous Learning of a Topological Model in a Road Network	Omnidirectional Active Vision for Evolutionary Car Driving	Learning from Nature to Build Intelligent Autonomous Robots	HRP-2W: A Humanoid Platform for Research on Support Behavior in Daily life Environments
Gabriel Avina Cervantes and Michel Devy	Mototaka Suzuki, Jacob van der Blij, and Dario Floreano	Rainer Bischoff and Volker Graefe	Tetsunari Inamura, Kei Okada, Masayuki Inaba, and Hirochika Inoue

March 9th Thu. TH2(12:45-14:45)

TH2A (Room A, 170)	TH2B (Room B, 270)	TH2C (Room C, 470)	TH2D (Room D, 634+635)
Humanoid Robots	Localization	Service Robotics and Human Support	OS:Real World Information Systems2
Session Chair: Prof. Tetsunari Inamura	Session Chair: Prof. Yusuke Maeda	Session Chair: Prof. Koichi Ozaki	Session Chair: Prof. Mihoko Otake and Dr. Masao Sugi
TH2A-1 12:45-13:15	TH2B-1 12:45-13:15	TH2C-1 12:45-13:15	TH2D-1 12:45-13:15
Pedaling Motion of a Cycle by Musculo-skeletal Humanoid with Adapting Ability Based on an Evaluation of the Muscle Loads	Map of Color Histograms for Robot Navigation	Using JavaSpace for a PEIS Ecology	Human Supporting Production Cell "Attentive Workbench"
Tomoaki Yoshikai, Yuto Nakanishi, Ikuo Mizuuchi, and Masayuki Inaba	Takanobu Kawabe, Tamio Arai, Yusuke Maeda, and Toshio Moriya	BeomSu Seo, Mathias Broxvall, Marco Gritti, Alessandro Saffiotti, and JungBae Kim	Masao Sugi, Yusuke Tamura, Makoto Nikaido, Jun Ota, Tamio Arai, Kiyoshi Takamasu, Kiyoshi Kotani, Akio Yamamoto, Hiromasa Suzuki, Yoichi Sato, Fumihiko Kimura, and Seichi Shin
TH2A-2 13:15-13:45	TH2B-2 13:15-13:45	TH2C-2 13:15-13:45	TH2D-2 13:15-13:45
Load Distributed Whole-body Motion Generation Method for Humanoids by Minimizing Average Joint Torque Ratio	Designing a System for Map-based Localization in Dynamic Environments	A New Heating Method for the Actuation of the Shape Memory Alloy (SMA) Actuator	A Foveal 3D Laser Scanner Integrating Texture into Range Data
Ryusuke Adachi, Shigeru Kanzaki, Kei Okada, and Masayuki Inaba	Fulvio Mastrogiovanni, Antonio Sgorbissa, and Renato Zaccaria	Chee Siong Loh, Hiroshi Yokoi, and Tamio Arai	Marcus Walther, Peter Steinhaus, and Rüdiger Dillmann
TH2A-3 13:45-14:15	TH2B-3 13:45-14:15	TH2C-3 13:45-14:15	TH2D-3 13:45-14:15
Tendon Arrangement Based on Joint Torque Requirements for a Reinforceable Musculo-skeletal Humanoid	Appearance-based Localization of Mobile Robots Using Local Integral Invariants	Informational Organization on Network among Multiple Agents	Autonomous Collaborative Environment for Project Based Learning
Yuto Nakanishi, Ikuo Mizuuchi, Tomoaki Yoshikai, Tetsunari Inamura, and Masayuki Inaba	Hashem Tamimi, Alaa Halawani, Hans Burkhardt, and Andreas Zell	Yoshihito Shikanai, Koichi Ozaki, and Sumio Yamamoto	Mihoko Otake, Ryo Fukano, Shinji Sako, Masao Sugi, Kiyoshi Kotani, Junya Hayashi, Hiroshi Noguchi, Ryuichi Yoneda, Kenjiro Taura, Nobuyuki Otsu, and Tomomasa Sato
TH2A-4 14:15-14:45	TH2B-4 14:15-14:45	TH2C-4 14:15-14:45	
Vision-based Virtual Information and Semi-autonomous Behaviours for a Humanoid Robot	Enhancing Self Covertness in a Hostile Environment from Expected Observers at Unknown Locations	A Flexible Task Knowledge Representation for Service Robots	
Olivier Stasse, Jean Semere, Neo Ee Sian, and Kazuhito Yokoi	M. Marzouqi and Ray Jarvis	Steffen Knoop, Sven R. Schmidt-Rohr, and Rüdiger Dillmann	

March 9th Thu. TH3(15:05-16:35)

TH3A (Room A, 170)		TH3C (Room C, 470)	TH3D (Room D, 634+635)
OS:Dynamics, Morphology, and Materials in Intelligent Behavior2		Autonomy in Various Aspects	Human Behavior Analysis
Session Chair: Prof. Rolf Pfeifer		Session Chair: Prof. Yuko Ishiwaka	Session Chair: Prof. Wenwei Yu
TH3A-1 15:05-15:35		TH3C-1 15:05-15:35	TH3D-1 15:05-15:35
Exploration of Natural Dynamics through Resonance and Chaos		Reinforcement Learning Performance Evaluation: An Evolutionary Approach	Behavior Induction by Geometric Relation between Symbols of Multi-sensory Pattern
Alex Pitti, Max Lungarella, and Yasuo Kuniyoshi		Genci Capi and Masao Yokota	Naoki Kojo, Tetsunari Inamura, and Masayuki Inaba
TH3A-2 15:35-16:05		TH3C-2 15:35-16:05	TH3D-2 15:35-16:05
One-legged Locomotion with a Compliant Passive Joint		Intelligent Autonomous Japanese Comic “MANGA” Designing Support System	Effects of Robotic Arm Orthosis Behaviors to User's Motion Structure
Juergen Rummel, Fumiya Iida, and Andre Seyfarth		Yuko Ishiwaka and Yuka Kobayasi	Yukio Horiguchi, Satoshi Tsukamoto, Hiroyuki Ono, Tetsuo Sawaragi, and Masahiro Sato
TH3A-3 16:05-16:35		TH3C-3 16:05-16:35	TH3D-3 16:05-16:35
Analysis of Dynamical Locomotion of Two-link Locomotors		Quantify Distinguishability in Robotics	A Human Behavior Discrimination Method Based on Motion Trajectory Measurement for Indoor Guiding Services
Kojiro Matsushita, Hiroshi Yokoi, and Tamio Arai		Aurélien Hazan, Frédéric Davesne, Vincent Vigneron, and Hichem Maaref	Hajime Asama and Atsushi Morimoto