

Tentative Program

Session ID	Session title	PaperNumber	Title	
1A01	Signal Processing (1)	135	An Efficient DC-Notch FIR Filter Design	Kyoung Jae Kim(Hanyang University),Sang Won Nam(Hanyang University)
1A01	Signal Processing (1)	411	A New Efficient Matrix Spectral Factorization Algorithm	Lasha EPHrEMIDZE(Tokai University),Gigla JANASHIA(razmadze Mathematical Institute),Edem LAGVILAVA(razmadze Mathematical Institute)
1A01	Signal Processing (1)	553	Study on a Method of Generating a 3D Virtual Foot Model With Use of a Measuring Technique Based on Multiple Camera Image Data	Satoshi KONDO(Tokyo University of Agriculture and Tech),Yasuhiro AKAGI(Tokyo University of Agriculture and Tech),Katsuhiro KITAJIMA(Tokyo University of Agriculture and Tech)
1A01	Signal Processing (1)	642	Online estimation of complexity using variable forgetting factor	Koichi Sugisaki(Keio univ.),Hiromitsu Ohmori(Keio univ.)
1A01	Signal Processing (1)	650	Detection of Bearing Fault Using Hybrid Digital Filter	SHAO Yimin(Chongqing University),HU Yumei(Chongqing University),WANG Shemin(Chongqing University),ZHOU Xiaojun(Chongqing University),Toshiyuki Hayashi(AIST),Yoshihisa Katase(AIST),Hiroshi Maejima(AIST),Yukio Yamaguchi(AIST),Kazunaga Ueda(AIST),Yoshiyuki
1A02	OS: Recent Advances in Mechanical Metrology (1)	010	Improved working efficiency of force standard machine by separating alternative weight stacks	Masaaki Ueki(NMIJ),Kazunaga Ueda(NMIJ)
1A02	OS: Recent Advances in Mechanical Metrology (1)	056	Uncertainty evaluation on the fully-automated sub-multiple calibration in the milligram range	Makoto Makabe(Yamato Scale company),Toru Kohashi(Yamato Scale company)
1A02	OS: Recent Advances in Mechanical Metrology (1)	473	High Accurate Creep Compensation Method for Load Cell	Yuuki SASAMOTO(Osaka Prefectural College of Technology),Toshitaka UMEMOTO(Osaka Prefectural College of Technology),Motoyuki ADACHI(Yamato Scale Co Ltd),Yoichiro KAGAWA(Yamato Scale Co Ltd)
1A02	OS: Recent Advances in Mechanical Metrology (1)	475	Frequency Analysis Method using the Adaptive Algorithm and Application to Dynamic Measurement of Mass and Weight	Yoshio Kosuge(Nagasaki Univ.)
1A03	Identification and Estimation	001	Tracking Errors in the Steady State for a 3 Dimensional Tracking Using a Linear Filter	Mohammad Ahmadi(First Author),Alireza Khayatian(Second Author),Paknush Karimaghvae(Third Author)
1A03	Identification and Estimation	014	Orientation Estimation by Error-State Extended Kalman Filter in Quaternion Vector Space	Aziza Zaki(Erl),Ahmed Mansour(Erl),Osama Mahgoub(Cairo Univ.),Essam Abu-ElZahab(Cairo Univ.)
1A03	Identification and Estimation	049	A New Approach for Harmonics Current Extraction For Nonlinear Loads	Changhyun Park(Pohang Univ. of Science Technology, GIFT),SangCheul Won(Pohang Univ. of Science and Technology, Dept. of EE)
1A03	Identification and Estimation	259	Development of Recognition System for Billet Identification	Osamu Kobayashi(Yamaguchi Univ.),Yuji Wakasa(Yamaguchi Univ.),Kanya Tanaka(Yamaguchi Univ.),Takuya Akashi(Yamaguchi Univ.)
1A03	Identification and Estimation	358	Some Extensions of the Monotonic Signal Estimation Method	Ga Hyung choi(Yonsei Univ.),Won Sang ra(Yonsei Univ.),Tae Sung Yoon(Changwon National Univ.),Jin Bae Park(Yonsei Univ.)
1A03	Identification and Estimation	578	Low-Cost Tachometer based on the Recursive Frequency Estimation for Automotive Applications	Kayhan Gulez(Yildiz Technical University),Ali Adam(Yildiz Technical Univ.)
1A05	Mechanical Systems Control (1)	051	Compound Passive Filter to Minimize Torque Ripples and EMI Noises in PMSM Drives	Yu Yoshida(GS of Shimane Univ.),Masafumi Hamaguchi(Shimane Univ.),Takao Taniguchi(Shimane Univ.)
1A05	Mechanical Systems Control (1)	165	Damping path design of liquid container transfer including multiple curve sections	Yuki Kakizoe(NAIST),Hisakazu Nakamura(NAIST),Hirokazu Hidekazu Machida(Maizuru college of technology),Fuminori Kobayashi(Kyushu Institute of Technology)
1A05	Mechanical Systems Control (1)	236	Remote bilateral control of master-slave manipulators with an environment observer	Hidetoshi Shimizu(Tokyo Denki Univ.),Yuki Wakazuki(Tokyo Denki Univ.),Yaodong Pan(Tokyo Denki Univ.),Katsuhisa Furuta(Tokyo Denki Univ.)
1A05	Mechanical Systems Control (1)	286	PLL/PID motor control system by using time-domain operation of PWM signal	Wenxue Wang(Texas Tech Univ.),Bijoy Ghosh(Texas Tech Univ.)
1A05	Mechanical Systems Control (1)	570	Biped walking robot using a stick on uneven ground	Hidenori Matsuzaki(Shinshu Univ.),Masayoshi Eguchi(Shinshu Univ.),Yasunari Shidama(Shinshu Univ.)
1A06	Nonlinear Control (1)	033	Kuramoto Models, Coupled Oscillations and Laser Networks	Yoshifumi Okuyama(Humanitech Lab.)
1A06	Nonlinear Control (1)	113	A novel approach to the nonlinear H-infinity regulator problem	Noriko Matsuda(Tokyo Denki University),Masaki Izutsu(Tokyo Denki University),Katsuhisa Furuta(Tokyo Denki University)
1A06	Nonlinear Control (1)	151	PID Control for Nonlinear Discretized Systems	Shota Yabui(Mie Univ.),Kazuhiro Yubai(Mie Univ.),Junji Hirai(Mie Univ.)
1A06	Nonlinear Control (1)	295	Simultaneous Swinging-Up and Stabilization of Double Furuta Pendulums	Kazuki Takehara(Hokkaido Univ.),Takayuki Tsuzuki(Shimane Univ.),Yuh Yamashita(Hokkaido Univ.)
1A06	Nonlinear Control (1)	347	Direct Design of Switching Control System by VRFT --Application to Vertical-type One-link Arm--	Kenbu Teramoto(Saga University),Akito Uekihara(Saga University)
1A06	Nonlinear Control (1)	658	Global asymptotic stabilization of nonlinear system with multiple singular points using changeover of control Lyapunov-Morse function	Tadashi Ito(Gunma Univ.),rutsuko Ichikawa(Gunma Univ.),ryotaro Koishi(Gunma Univ.),Yusaku Fujii(Gunma Univ.),Naoya Ohta(Gunma Univ.),Saburo Saitoh Saitoh(Gunma Univ.),Tutomu Matsuura(Gunma Univ.),Takao Yamamoto(Gunma Univ.)
1A07	OS: Inverse Problems	085	Sub-surface Inspection by A0-mode Lamb-wave Measurement with Opt-Acoustical Spatio-Gradient	Satoshi Yoshizawa(Keio Univ.),Toshiyuki Tanaka(Keio Univ.)
1A07	OS: Inverse Problems	168	Measurement of space variant PSF and its application to restoring severely degraded images	
1A07	OS: Inverse Problems	250	The Method of High-Accuracy 3D Reconstruction for Oblique X-ray CT Images	

Tentative Program

Session ID	Session title	PaperNumber	Title	
1A07	OS: Inverse Problems	421	On Distance Measurement Using Band-limited Noise	Noboru Nakasako(Kinki Univ.),Tetsuji Uebo(Saika Technological Institute Foundation, Kinki Univ.),Norimitsu Ohmata(Kinki Univ.),Atsushi Mori(Kinki Kenbu Teramoto(Saga University),MD Tauhidul Khan(Saga University),Akito Uekihara(Saga University)
1A08	Intelligent Control (1)	016	Fuzzy MRAC Controller Design for the Vane-Type Air Motor	Yean-ren Hwang(National Central University),Yu-Da Shen(National Central University)
1A08	Intelligent Control (1)	048	Adaptive Neural Network Based Controller for Direct Torque Control of PMSM with Minimum	Kayhan Gulez(Yildiz Technical University),Ali Adam(Yildiz Technical Jim Zhou(Waseda Univ.),Lu Yu(Waseda Univ.),Shingo Mabu(Waseda Univ.),Kotaro Hirasawa(Waseda Univ.),Jinglu Hu(Waseda Univ.),Sandor Kousuke Yoshimi(Tohoku University),Shun Ushida(Tohoku University),Koichiro Deguchi(Tohoku University)
1A08	Intelligent Control (1)	160	Double-Deck Elevator Systems using Genetic Network Programming based on Variance Information	Eko Henfri(Pusan National University),Jae Weon Choi(Pusan National University),Young Bong Seo(Pusan National University)
1A08	Intelligent Control (1)	580	Acquisition of Fixed Wide View Field of a Biped Robot during a Walking Motion	Jea Soo Kim(Korea Maritime University),Jae Weon Choi(Pusan National University),Y.S. Suh(Ulsan University),Y.H. Byun(Korea Maritime University),J.H. Cho(Korea Maritime University)
1A09	OS: Emerging Control Technologies	027	Home Network Development based on CORBA Middleware	Young-Ik Son(Myongji Univ.),Hyungbo Shim(Seoul National Univ.),Nam H. Jo(Soongsil Univ.),Sung-Jong Kim(Myongji Univ.)
1A09	OS: Emerging Control Technologies	028	Transmission of Control Signal in Ocean Environment based on Adaptive Time-Reversal Processing	Ae-Kyoung Ko(Pusan National Univ.),Joon-Young Choi(Pusan National Univ.),Duksun Shim(Chung-Ang Univ.),Cheolkwan Yang(Yuhan College),Jinwoo Park(Chung-Ang Univ.),Samuel Chang(Chung-Ang Univ.)
1A09	OS: Emerging Control Technologies	029	Design of Disturbance Observer for Non-minimum Phase Systems Using PID Controllers	Makio Tsukioka(Shinshu Univ),Hiroaki Ishizawa(Shinshu Univ),Tomohiro Takano(Shinshu Univ),Hisaya Yamada(Yanmar Agricultural Equipment)
1A09	OS: Emerging Control Technologies	030	A Haptic Interface Using a Force-Feedback Joystick	Naoko Hayashi(Mie Univ.),Atsushi Hashimoto(Mie Univ.),Ken-ichiro Suehara(Mie Univ.),Mikihito Kanou(Mie Univ.),Takaharu Kameoka(Mie Univ.),Takao Kumon(Kagome),Katsutoshi Hoso(Kagome)
1A09	OS: Emerging Control Technologies	031	Hierarchical Position Control of Expedition Robots	Masayuki Hirafuji(NArO),Hideo Yoichi(NArO),Haoming Hu(NArO),Tokihiko Fukatsu(NArO),Kei Tanaka(NArO)
1A10	OS: Frontline of BIX (BioInformation eXchange) Research	062	Classification of Pesticide Residues in the Agricultural Products Based on Diffuse Reflectance IR Spectroscopy	Yoshitaka Motonaga(Niigata University, Japan),Nobukazu Iguchi(Kinki University, Japan),Norikuni Ohtake(Niigata University, Japan),Takaharu Kameoka(Mie University, Japan)
1A10	OS: Frontline of BIX (BioInformation eXchange) Research	290	X-Ray Fluorescent and Mid-Infrared Spectroscopic Measurements of Vigor Information of Tomato Plant	Xinkai Chen(Shibaura Intitute of Tech.),Takeshi Hisayama(Shibaura Intitute of Tech.)
1A10	OS: Frontline of BIX (BioInformation eXchange) Research	647	Architecture of the Advanced Field Servers	Jian Wang(Kagawa University),Shuxiang Guo(Kagawa University)
1A10	OS: Frontline of BIX (BioInformation eXchange) Research	648	Image Monitoring of Paddy Field using BIX Image Broker System	Qinxue Pan(Kagawa Univ.),Shuxiang Guo(Kagawa Univ.)
1A11	OS: Micromechatronics for Biomedical Applications	539	Robust Control for Uncertain Systems Preceded by Hysteresis and Disturbances	Changhai ru(Harbin Engineering University),Xihua Wang(Harbin Engineering University),Shuxiang Guo(Kagawa University Graduate School of Engineering)
1A11	OS: Micromechatronics for Biomedical Applications	640	A Precision Parallel Micromechanism for Biomedical Applications	Hiromitsu Kato(Hitachi),Shin-ichi Nakasuka(U. of Tokyo)
1A11	OS: Micromechatronics for Biomedical Applications	641	A Locomotive Microrobot for Biomedical Application	Songmin Jia(University of Electro-Communications),Jibuo Sheng(University of Electro-Communications),Daisuke Chugo(University of Electro-Communications),Kunikatsu Takase (University of Electro-Communications)
1A11	OS: Micromechatronics for Biomedical Applications	649	A Novel Tool Using SMA Actuator for Cell Puncturing	Takanori Sasaki(Tokyo Denki Univ),Akira Takeya(Konica Minolta IJ Technologies, Inc.),Hiroshi Igarashi(Tokyo Denki Univ),Satoshi Suzuki(Tokyo Qinhe Wang(Univ. of Tokyo),Hashimoto Hideki(Univ. of Tokyo)
1A12	Intelligent Systems and Control	046	A Method for Reflecting User's Intention in Interactive Multi-Objective Optimization for Multi-Satellite Communication Planning Problem	Kouhei Kawaji(Univ. of Tokyo),Mihoko Niitsuma(Univ. of Tokyo),Akio Kosaka(OLYMPUS),Hideki Hahimoto(Univ. of Tokyo)
1A12	Intelligent Systems and Control	564	Obstacle Localization for a nonholonomic mobile robot Based on RFID Technology	Atsushi Ohga(Kagawa University),Satoru Nagatomo(Kagawa University),Ichiro Ishimaru(Kagawa University),Seiji Hata(Kagawa University)
1A12	Intelligent Systems and Control	599	Operation Skill Quantification for Mobile Vehicle Operation	
1A12	Intelligent Systems and Control	600	Fast Localization of Multi-targets in the Intelligent Space	
1A12	Intelligent Systems and Control	602	Acquisition of objects' properties in Intelligent Space	
1A14	OS: Observing Human	559	Measurement of the Posture of the Playing Children	

Tentative Program

Session ID	Session title	PaperNumber	Title	
1A14	OS: Observing Human	560	Proposal of a Method of Skin Region Detection by Two Near Wavelengths of Near Infrared	Taito Watanabe(Gifu Univ.),Kazuhiko Yamamoto(Gifu Univ.),Kunihito Kato(Gifu Univ.)
1A14	OS: Observing Human	632	Firefly Capturing Method and Its Application to Performance Analysis of Athlete	Takayuki Fujiwara(Chukyo University),Kohji Murofushi(Chukyo University),Kagemoto Yuasa(Chukyo University),Hiroyasu Koshimizu(Chukyo University)
1A14	OS: Observing Human	653	An attempt of applying Quality Engineering techniques to adjust the S/N ratio for measurement and modeling of a human hand shape using high speed range finder	Kengo Ohnishi(Okayama Pref. Univ.),ryutaro Imakiire(Kyoto Seisakusho)
1A15	OS: Ubiquitous Healthcare	093	Telemonitoring system of TVOS for elderly people living alone	Kazuki Nakajima(Univ. of Toyama),Akinori Kamiya(Univ. of Toyama),Hiroyuki Matsui(Univ. of Toyama),Daisuke Oikawa(Fujimoto Hayasuzu Hospital),Kentaro Fujita(Fujimoto Hayasuzu Hospital),Yuji Higashi(Fujimoto Hayasuzu Hospital),Toshiyo Tamura(Chiba Univ.),Toshiro Fujimoto(Fujimoto Hayasuzu Hospital),Kazuo Sasaki(Univ. of Toyama),Toshiyo Tamura(Chiba University),Takahiro Kawada(Chiba University),Masaki Sekine(Chiba University)
1A15	OS: Ubiquitous Healthcare	109	The home health care with the ad-hoc network system	Shinobu Tanaka(Kanazawa Univ.),Kosuke Motoi(Kanazawa Univ.),Akira Ikarashi(Kanazawa Univ.),Masamichi Nogawa(Kanazawa Univ.),Yuji Higashi(Fujimoto Hayasuzu Hsp.),Hidetsugu Asano(Imizu City Hsp.),Ken-ichi Yamakoshi(Kanazawa Univ.)
1A15	OS: Ubiquitous Healthcare	336	Development of Non-invasive and Ambulatory Physiological Monitoring Systems for Ubiquitous Health Care	David Hareva(Graduate School of Health Sciences, Okayama University),Tomoki Kitawaki(Graduate School of Health Sciences, Okayama University),Hisao Oka(Graduate School of Health Sciences, Okayama University),Takao Nakamura(Graduate School of Health Sciences, Okayama University),Hiroki Okada(Okayama University Hospital),Hiromi Takumi Kochiya(Tokyo Institute of Technology),Masaki Yamakita(Tokyo Institute of Technology)
1A15	OS: Ubiquitous Healthcare	364	Development of Real-Time Biological Data Collection System Using a Cellular Phone	Zhen Shen(Tsinghua Univ.),Qianchuan Zhao(Tsinghua Univ.)
1A16	Robot Control (1)	118	Falling Avoidance Control of Acrobat Robot by Reinforcement Learning	Naoya Tada(Tottori Univ.),Takeshi Saitoh(Tottori Univ.),ryosuke Masato Nishimori(Tottori Univ.),Takeshi Saitoh(Tottori Univ.),ryosuke Konishi(Tottori Univ.)
1A16	Robot Control (1)	124	A Branch and Bound Method to the Continuous Time Model Elevator System with Full Information	Takeshi Saitoh(Tottori Univ.),Noriyuki Takahashi(Tottori Univ.),ryosuke Konishi(Tottori Univ.)
1A16	Robot Control (1)	454	Mobile Robot Navigation by Center Following using Monocular Vision	Rukhsana Tajin(Saitama University),Yoshinori Kuno(Saitama University),Miyazaki Shota(Toyama Prefectural Univ.),Takano Hironobu(Toyama Prefectural Univ.),Nakamura Kiyomi(Toyama Prefectural Univ.)
1A16	Robot Control (1)	455	Voice Controlled Intelligent Wheelchair	Timoteo Ilica(Univ. of Tsukuba),Akihisa Ohya(Univ. of Tsukuba)
1A16	Robot Control (1)	456	Oral Motion Controlled Intelligent Wheelchair	Toshiharu Wada(Shibaura Institute of Technology),Masanobu Takahashi(Shibaura Institute of Technology),Keiichiro Kagawa(Nara Institute of Science and Technology),Jun Ohta(Nara Institute of Science and Technology),Masashi Kanematsu(Toyama Prefectural Univ.),Hironobu Takano(Toyama Prefectural Univ.),Kiyomi Nakamura(Toyama Prefectural Univ.)
1A17	Human Interface (1)	186	Effect of Horizontal Position on Detecting Persons Looking towards the Robot	Xinying Han(Kanazawa Univ.),Hiroaki Seki(Kanazawa Univ.),Yoshitsugu Kamiya(Kanazawa Univ.),Masatoshi Hikizu(Kanazawa Univ.)
1A17	Human Interface (1)	229	Suitable Checkpoints of Features Surrounding the Eye for Eye Tracking Using Template Matching	Hiroaki Kajikawa(NMIJ/AIST),Tokihiko Kobata(NMIJ/AIST),Akira Ooiwa(NMIJ/AIST)
1A17	Human Interface (1)	394	Target User Localization for a Service Robot Using Wireless LAN	Tokihiko Kobata(AIST),Kazunori Ide(AIST)
1A17	Human Interface (1)	415	Laser Pointer as a Mouse	Yoshitaka Morimoto(Utsunomiya Univ.),Yoshio Ichida(Utsunomiya Univ.),ryunosuke Sato(Utsunomiya Univ.)
1A17	Human Interface (1)	446	Highly Reliable Liveness Detection Method for Iris Recognition	Akihiro Watanabe(Utsunomiya University),Takanori Yamazaki(Oyama National College of Technology),Hideo Ohnishi(Shinko Co.),Masaaki Kobayashi(Shinko Co.),Shigeru Kurosu(Crotech)
1A17	Human Interface (1)	535	Wearable Handwriting Input Device Using Magnetic Field	Kozo Ohtani(Hiroshima Inst. of Tech.),Daisuke Narita(SIGMA Corp.),Mitsuru Baba(Ibaraki Univ.)
1B02	OS: Recent Advances in Mechanical Metrology (2)	376	Development of a New Controlled-Clearance Pressure Balance for Hydraulic High-Pressure Standard	Kozo Ohtani(Hiroshima Inst. of Tech.),Daisuke Narita(SIGMA Corp.),Mitsuru Baba(Ibaraki Univ.)
1B02	OS: Recent Advances in Mechanical Metrology (2)	377	Transfer standard for high pressure up to 1 GPa using pressure transducers	Kozo Ohtani(Hiroshima Inst. of Tech.),Daisuke Narita(SIGMA Corp.),Mitsuru Baba(Ibaraki Univ.)
1B02	OS: Recent Advances in Mechanical Metrology (2)	524	Evaluation of positioning performance of a fine-coarse mechanism	Kozo Ohtani(Hiroshima Inst. of Tech.),Daisuke Narita(SIGMA Corp.),Mitsuru Baba(Ibaraki Univ.)
1B02	OS: Recent Advances in Mechanical Metrology (2)	643	Length Measurement for Moving Products on Conveyor Belt	Kozo Ohtani(Hiroshima Inst. of Tech.),Daisuke Narita(SIGMA Corp.),Mitsuru Baba(Ibaraki Univ.)
1B03	OS: Rangefinders	246	Measurement Method of Optical Properties by Use of a Rangefinder	Kozo Ohtani(Hiroshima Inst. of Tech.),Daisuke Narita(SIGMA Corp.),Mitsuru Baba(Ibaraki Univ.)
1B03	OS: Rangefinders	248	A Rangefinding Approach for Speeding Up the Three-Dimensional Shape Measurement of a Specular	Kozo Ohtani(Hiroshima Inst. of Tech.),Mitsuru Baba(Ibaraki Univ.)

Tentative Program

Session ID	Session title	PaperNumber	Title	
1B03	OS: Rangefinders	249	Development of Laser Rangefinder-based SLAM Algorithm for Mobile Robot Navigation	Yusuke Misono(Hosei University),Yoshitaka Goto(Hosei University),Yuki Tarutoko(Hosei University),Kazuyuki Kobayashi(Hosei University),Kajiro Watanabe(Hosei University)
1B03	OS: Rangefinders	441	Three Dimensional Recognition of Environments for a Mobile Robot Using Laser Range Finder	Kiyoshi Nishimoto(Hiroshima Institute Technology),Atsunori Sagami(Sailor Pen Co., Ltd),Kouichi Kaneyama(Interface Co.)
1B03	OS: Rangefinders	467	Development of an open-air type laser absorption atmospheric gas monitor with ability of reducing the fluctuation of incident optical power	Masaki Sutou(Fukuyama Univ.),Naoki Kagawa(Fukuyama Univ.)
1B05	Robust Control (1)	013	Robust Nonlinear Control for Flexible Joint Robot Manipulators	Jae Young Lee(Hanyang Univ),Je Sung Yeon(Hanyang Univ),Jong Hyeon Park(Hanyang Univ)
1B05	Robust Control (1)	044	Beyond The Small-Gain Paradigm: How to Make Use of The Phase Information of Uncertainty	Kang-Zhi Liu(Chiba University)
1B05	Robust Control (1)	140	Modelling and Navigation Control of Autonomous Vehicles	Katsumi Moriwaki(Univ. Shiga Pref.),Katsuyuki Tanaka(Univ. Shiga Pref.)
1B05	Robust Control (1)	344	Design of Reduced-order Weight for SH_ ∞ Loop Shaping Method of Vertical-type One-link Arm --Application to Gain-Scheduling Control--	Shu Katayama(Mie Univ.),Kazuhiro Yubai(Mie Univ.),Junji Hirai(Mie Univ.)
1B05	Robust Control (1)	530	An iterative method for output feedback mixed H ₂ /H-infinity control problem	Yasushi Kami(Akashi National College of Tech.),Eitaku Nobuyama(Kyushu Institute of Tech.)
1B07	Adaptive Control (1)	018	A Simple Redesign of Adaptive Control for Nonlinear Parametric Models with State Variable Filters	Yoshihiko Miyasato(Inst. of Statistical Mathematics)
1B07	Adaptive Control (1)	081	Self Tuning Control with Generalized Minimum Variance Control in Continuous Time Domain	ryouta Hoshino(Tokyo Metropolitan Univ.),Yasuchika Mori(Tokyo
1B07	Adaptive Control (1)	162	Adaptive PID Control for Perfect Tracking Problem of MIMO Systems	Kenichi Tamura(Keio University),Hiromitsu Ohmori(Keio University)
1B07	Adaptive Control (1)	214	Genetic Network Programming with Control Nodes considering Breadth and Depth	Shinji Eto(Waseda Univ.),Shingo Mabu(Waseda Univ.),Kotaro Hirasawa(Waseda Univ.),Takayuki Huruzuki(Waseda Univ.)
1B07	Adaptive Control (1)	315	Design of Adaptive Control Systems for Unstable Plants in the Presence of Input Saturation	Natsuki Takagi(Kyushu Institute of Technology),Takeshi Nishida(Kyushu Institute of Technology),Toshihiro Kobayashi(Kyushu Institute of Technology)
1B08	OS: Medical Care and Welfare Engineering as a Man-Machine System (1)	104	Image Recognition of Reflective Object for Robotic Manipulator Suspended from Ceiling	Yoshihiko Takahashi(Kanagawa Institute of Technology),Kouji Kato(Kanagawa Institute of Technology),Yuuki Takayama(Kanagawa Institute of Technology)
1B08	OS: Medical Care and Welfare Engineering as a Man-Machine System (1)	108	Experiments on Human Facial Expressions for Improvement of Simplified Robot Face	Yoshihiko Takahashi(Kanagawa Institute of Technology),Masanori Hatakeyama(Kanagawa Institute of Technology),Mitsuru Kanno(Kanagawa Institute of Technology)
1B08	OS: Medical Care and Welfare Engineering as a Man-Machine System (1)	197	Development of the Detection and Reporting Device for Patients' Getting Out of Bed using Ultrasonic Radar and Power Line Communication	Kazuo Haruyama(Ube National College of Technology),Kanya Tanaka(Yamaguchi University),Yuji Wakasa(Yamaguchi University),Takuya Akashi(Yamaguchi University),You Yamada(Yamaguchi University)
1B08	OS: Medical Care and Welfare Engineering as a Man-Machine System (1)	289	Development of a postural supporting device using an adaptive and learning balloon actuator-sensor system	ryota Kurozumi(Univ. of Tokushima),Toru Yamamoto(Hiroshima Univ.),Shoichiro Fujisawa(Univ. of Tokushima),Osamu Sueda(Univ. of Tokushima)
1B08	OS: Medical Care and Welfare Engineering as a Man-Machine System (1)	293	Study on the Accessibility and Assistive Device Between Platforms and Trains for Manual Wheelchair User	Tsutomu Hashizume(Assistive Technology research and Design),Hiroshi Kitagawa(Assistive Technology research and Design),Ikuro Yoneda(Toyo University),Shoichiro Fujisawa(The University of Tokushima),Osamu Sueda(The University of Tokushima)
1B09	OS: AUN/Seed-Net Benchmark Problem on Control Engineering: Robust Control for Twin-Inverted	137	Stabilization of Rotary Double Inverted Pendulum using Robust Gain-Scheduling Control	Arviandy Aribowo(Institut Teknologi Bandung),Yul Nazaruddin(Institut Teknologi Bandung),Endra Joelianto(Institut Teknologi Bandung),Herman Sutarto(Institut Teknologi Bandung)
1B09	OS: AUN/Seed-Net Benchmark Problem on Control Engineering: Robust Control for Twin-Inverted	138	Robust Controller Design for a Rotary Double Inverted Pendulum using Linear Matrix Inequalities	Ha Hoang(Chulalongkorn University),Manop Wongsaisuwan(Chulalongkorn University)
1B09	OS: AUN/Seed-Net Benchmark Problem on Control Engineering: Robust Control for Twin-Inverted	234	Benchmark Problem on Control Engineering	Masaki Yamakita(Tokyo Inst. of Tech.),Manop Wongsaisuwan(Chulalongkorn Univ.),Shinji Hara(Univ. of Tokyo)
1B09	OS: AUN/Seed-Net Benchmark Problem on Control Engineering: Robust Control for Twin-Inverted	240	Control Engineering Education through AUN/SEED-Net	Shinji Hara(Univ. of Tokyo),Hiroshi Iwade(JICA),Masaki Yamakita(Tokyo Inst. of Tech.)
1B10	OS: Dependable System Design in Discrete Event Systems	059	An Initial Task Assignment Method for Tasks Assignment and Routing Problem	Yusuke Morihiro(Osaka Univ.),Toshiyuki Miyamoto(Osaka Univ.),Sadatoshi Kumagai(Osaka Univ.)

Tentative Program

Session ID	Session title	PaperNumber	Title	
1B10	OS: Dependable System Design in Discrete Event Systems	073	Application of DES Theory to Verification of Software Components	Kunihiko Hiraishi(JAIST),Petr Kucera(JAIST)
1B10	OS: Dependable System Design in Discrete Event Systems	167	Inference-Diagnosability: Nonconvergence and Other Complexity Results	Shigemasa Takai(Kyoto Inst. of Tech.),ratnesh Kumar(Iowa State Univ.)
1B10	OS: Dependable System Design in Discrete Event Systems	430	Local/Global Fault Diagnosis of Event-Driven Systems based on Bayesian Network and Timed Markov Mode	Shinkichi Inagaki(Nagoya Univ.),Tatsuya Suzuki(Nagoya Univ.),Mitsuo Saito(Nagoya Univ.),Takeshi Aoki(Nagoya Municipal Industrial research Ins.)
1B10	OS: Dependable System Design in Discrete Event Systems	488	A Study on the Decomposition of Transition Firing Sequence Problems for Petri Nets	Shun Yoshie(Osaka University),Tatsushi Nishi(Osaka University),Masahiro Inujguchi(Osaka University)
1B11	Systems and Education	020	Design of an Authoring Tool for Producing User-Adaptive Educational Material	Satoki ABE(KIT),Yoshitaka FUJIWARA(KIT),Shin-ichiro OKADA(Ibaraki Univ.),Yasunari MAEDA(KIT),Hideki YOSHIDA(KIT)
1B11	Systems and Education	200	Parameter Conditions and Least Squares Identification of Single-input Single-output Convex Fuzzy	Tae-Wook Kim(POSTECH),Sang Y. Park(Intellix),Jin S. Lee(POSTECH)
1B11	Systems and Education	253	Extracting feeling information from voice	Naoya Ikeda(Kitami Institute of Technology SVBL),Yoshitaka Fujiwara(Kitami Institute of Technology Department of computer scienc),Hideki Yoshida(Kitami Institute of Technology Department of computer scienc)
1B11	Systems and Education	379	Development of Management System in Mechatronics Education	Yuya Eguchi(Shibaura Institute of Technology),Yoshinobu Ando(Shibaura Institute of Technology),Makoto Mizukawa(Shibaura Institute of Technology)
1B11	Systems and Education	404	Fuzzy Rules Reduction for Discrete-time T-S Fuzzy Systems Based on Regional Piecewise Approach	Sheng-Ming Wu(National Central University),Hung-Yuan Chung(National Central University)
1B14	OS: Theory and Application of Histogram Frequency Image and Co-occurrence Frequency Image	486	Current State and the Future of Image Features	Hiroyasu Koshimizu(Chukyo Univ.),Shunichiro Oe(Univ. of Tokushima)
1B14	OS: Theory and Application of Histogram Frequency Image and Co-occurrence Frequency Image	568	Visual Defects Classification System Using Co-occurrence Histogram Image	Tepei Iga(Kagawa Univ.),Takateru Tanaka(Kagawa Univ.),Jun-ichiro Hayashi(Kagawa Univ.),Seiji Hata(Kagawa Univ.)
1B14	OS: Theory and Application of Histogram Frequency Image and Co-occurrence Frequency Image	618	Introduction of Frequency Image and applications	Toshiyuki Kashiwagi(Tokushima Prefectural Industrial Technology Center),Shunichiro Oe(The University of Tokushima)
1B14	OS: Theory and Application of Histogram Frequency Image and Co-occurrence Frequency Image	631	On CFI and CFI-based filters	Takayuki Fujiwara(Chukyo University),Hiroyasu Koshimizu(Chukyo University)
1B15	OS: Interaction and Intelligence	224	Particle Swarm Intelligence Robot Vision for Multiple Human Tracking of A Partner Robot	Indra Adji Sulistijono(Tokyo Metropolitan University),Naoyuki Kubota(Tokyo Metropolitan University)
1B15	OS: Interaction and Intelligence	230	Development of Muscle Suit for Supporting Manual Worker	Hiroshi Kobayashi(Tokyo University of Science),Shou Hasegawa(Tokyo University of Science),Hirokazu Nozaki(Tokyo University of Science)
1B15	OS: Interaction and Intelligence	309	Information Support System with Case-Based Reasoning Using Motion Recognition in Human-Centered City	Tomo Okawa(Tokyo Metropolitan University),Eri Sato(Tokyo Metropolitan University),Toru Yamaguchi(Tokyo Metropolitan University)
1B15	OS: Interaction and Intelligence	567	Pen Tablet Interface Using Surface Acoustic Wave Tactile Display	Masaya Takasaki(Saitama Univ.),HongXu Ji(Saitama Univ.),Hiroyuki Kotani(Saitama Univ.),Takeshi Mizuno(Saitama Univ.)
1B15	OS: Interaction and Intelligence	639	Robot Behaviors Connected with Utterances and Environments via Potential Fields	Yuji Kitazawa(Keio Univ.),Jun Mukai(Keio Univ.),Michita Imai(Keio Univ.)
1B16	Mechatronics Systems	061	Improved Performance of Sensorless Induction Motor Using Reactive Power	Jung Ho Han(Pusan National University),Min Yeong Jang(Pusan National University),Guen Bo Lee(Pusan National University),Bong su Jang(Pusan National University),Young Ahn Kwon(Pusan National University)
1B16	Mechatronics Systems	175	Development of Dynamics Modeling in the Vehicle Simulator for Road Safety Analysis	Kyung-Ho Bang(Myongji College)
1B16	Mechatronics Systems	306	Optimal Reduction Ratio Minimizing Dissipated Energy in a Servo System with Gear	Yiting Zhu(Shimane Univ.),Teruyuki Izumi(Shimane Univ.),Zuowei Li(Shimane Univ.),Hai Zhou(Shimane Univ.)
1B16	Mechatronics Systems	320	Control for Robust Standing of a Bipedal Robot by Sole Pressure	Junya Aoki(Hosei Univ.),Kajiro Watanabe(Hosei Univ.)
1B16	Mechatronics Systems	366	Control Strategy for the Massage Chair Based on Human Skin Elasticity	Tatsuya Teramae(Tottori Univ.),Kushida Daisuke(Tottori Univ.),Fumiaki Takemori(Tottori Univ.),Akira Kitamura(Tottori Univ.),Masashi Fujikawa(Family Co.Ltd.),Hideshi Kondo(Family Co.Ltd.)
1B17	Human Interface (2)	116	Investigation of Playing with Entertainment Robotic Pet of Pre-School Aged Child	Satoshi Yamamoto(Teikyo University of Science and Engineering),ryuhei Kimura(Teikyo University of Science and Engineering)
1B17	Human Interface (2)	458	Implementation of Luggable Linear Speaker Array System and Formation of Sound Spot	Yu Fukasawa(Tokyo University of Science),Hiroshi Takemura(Tokyo University of Science),Hiroshi Mizoguchi(Tokyo University of Science)

Tentative Program

Session ID	Session title	PaperNumber	Title	
1B17	Human Interface (2)	459	Simultaneous Generation of Various Shaped Sound Spots with Multiple Linear Speaker Arrays	Kyosuke HORIO(Tokyo University of Science), Yuuk OHTOMO(Tokyo University of Science), Hiroshi TAKEMURA(Tokyo University of ScienceTokyo University of Science), Hiroshi MIZOGUCHI(Tokyo University of Science)
1B17	Human Interface (2)	465	Computers' Synchronization for Large-Scale Loudspeaker Array System	Yuki Ohtomo(Tokyo University of Science), Hiroshi Takemura(Tokyo University of Science), Hiroshi Mizoguchi(Tokyo University of Science)
1B17	Human Interface (2)	556	Estimation of musical pitch by using comb filters for the identification of musical instruments	Atsushi Todo(Kagawa Univ.), Hideyuki Sawada(Kagawa Univ.)
1C01	Signal Processing in Medical and Biological Engineering	239	Vein emphasis filter for Biometric Authentication.	Shinichiro Watanabe(Keio University), Toshiyuki Tanaka(Keio University), Eizaburo Iwata(Universal robot Inc)
1C01	Signal Processing in Medical and Biological Engineering	243	A Neural Network based Computer-Aided Diagnosis of Emphysema using CT Lung Images	Kok Liang Tan(Keio Univ.), Toshiyuki Tanaka(Keio Univ.), Hidetoshi Nakamura(Tokyo Electric Power Hospital), Akitoshi Ishizaka(Keio Univ.)
1C01	Signal Processing in Medical and Biological Engineering	272	Telemedicine System of Pathology Image using the Internet.	Ayako Suzuki(Keio University), Toshiyuki Tanaka(Keio University)
1C01	Signal Processing in Medical and Biological Engineering	318	Tumor Detection Method of Small Animals on X-ray Images	Yuji Karita(Keio University), Toshiyuki Tanaka(Keio University), Isao Kabaya(r-Tec Corporation), Mikiya Kano(r-Tec Corporation), Isamu Iwayoshi(Japan Small Animal Medical research Center)
1C01	Signal Processing in Medical and Biological Engineering	392	Adaptive Wiener Filter based on Gaussian mixture distribution model for denoising chest X-ray CT	Motohiro Tabuchi(Okayama Univ.), Nobumoto Yamane(Okayama Univ.), Yoshitaka Morikawa(Okayama Univ)
1C01	Signal Processing in Medical and Biological Engineering	416	Liver Segmentation for CT Images using an Improved GGVF-Snake	Tianyi Gui(Beijing university of Aeronautics and Astronautics), Lin-Lin Huang(Beijing university of Aeronautics and Astronautics), Akinobu Shimizu(Tokyo University of Agriculture and Technology)
1C02	Opto-Electronic Engineering	017	Two-Wavelength Single-Shot Interferometry	Katsuichi Kitagawa(Toray Engineering Co.), Masashi Sugiyama(Tokyo Institute of Technology), Takuya Matsuzaka(Tokyo Institute of Technology), Hidemitsu Ogawa(Toray Engineering Co.), Kazuyoshi Suzuki(Toray Engineering Co.)
1C02	Opto-Electronic Engineering	022	Profiler Design with Multi-Sensor Data Fusion Methods	Jium-Ming Lin(Chung-Hua University), Jiea-Chie Lin(Chung-Hua University)
1C02	Opto-Electronic Engineering	232	The influence of probe geometry on muscle oxygenation measurement using spatially-resolved NIRS	Shingo Sone(Shizuoka Univ.), Masatsugu Niwayama(Shizuoka Univ.), Shigenobu Shinohara(Shizuoka Univ.)
1C02	Opto-Electronic Engineering	474	Development of 3-axis Distributed Forces Sensor for Walking Analysis	Masahiro Ueda(Tokyo University of Science), Harutaka Uno(Tokyo University of Science), Hiroshi Takemura(Tokyo University of Science), Hiroshi Mizoguchi(Tokyo University of Science)
1C02	Opto-Electronic Engineering	651	Voice Separation Ability and Brain Activation Measurement Base on NIRS Analysis	Di Miao(Kochi Univ. of Technology), Shuoyu Wang(Kochi Univ. of Technology)
1C03	OS: Visual 3-D Measurement	036	Model reconstruction based on Radial Reach Filter	Satoru Takahashi(Kagawa Univ.), Shunichi Kaneko(Hokkaido Univ.)
1C03	OS: Visual 3-D Measurement	120	Robust Focusing by Orientation Code Matching	Yuan Li(Hokkaido University), Isao Ohmura(Hokkaido Industrial research Institute), Hidenori Takauji(Hokkaido University), Shunichi Kaneko(Hokkaido University), Takayuki Tanaka(Hokkaido University)
1C03	OS: Visual 3-D Measurement	170	3D Measurement of Flexible Objects by Robust Motion Stereo	Yukiyasu Domaie(Hokkaido Univ.), Hidenori Takauji(Hokkaido Univ.), Shun'ichi Kaneko(Hokkaido Univ.), Takayuki Tanaka(Hokkaido Univ.), Haruhisa Okuda(Mitsubishi Electric Corp.)
1C03	OS: Visual 3-D Measurement	355	A Proposal of Quasi Multi-Baseline-Stereo Measuring Method with Single Camera for Reducing Occlusion	Takashi Watanabe(Chukyo Univ.), Akira Kusano(Chukyo Univ.), Takayuki Fujiwara(Chukyo Univ.), Hiroyasu Koshimizu(Chukyo Univ.)
1C03	OS: Visual 3-D Measurement	398	Nano-Level 3-D Measurement System Using Combination of 3-Wavelength Laser Lights	Masashi Nomura(Kagawa Univ.), Junichiro Hayashi(Kagawa Univ.), Shigeaki Morimoto(Co ryusvosangyo), Sheiji Hata(Kagawa Univ.), Ichiro Masayuki Shamoto(Gifu Univ.), Kunihito Kato(Gifu Univ.), Kazuhiko Yamamoto(Gifu Univ.)
1C03	OS: Visual 3-D Measurement	514	A implementation of Humanoid Vision –Analysis of Eye movement and Implementation to Robot-	Fujio Saiki(Shinshu University), Hiroaki Ishizawa(Shinshu University), Akinobu Muro(Shinshu University), Eiji Toba(Shinshu University)
1C06	Medical and Welfare Systems	063	Noninvasive Measurement of Blood Glucose Based on Optical Sensing and Internal Standard Method	Yoshihiro Kawanishi(Hosei Univ.), Kouta Aizawa(Hosei Univ.), Kajiyo Watanabe(Hosei Univ.)
1C06	Medical and Welfare Systems	121	Measurement of Heart-beat of Train Operators	rajkishore Prasad(UEC), Hovagiam Bakardjian(rIKEN, BSI), Cichocki Andrei(rIKEN BSD), Matsuno Fumitoshi(UEC)
1C06	Medical and Welfare Systems	227	3-D Reconstruction Using Color Stripe and Its Application to Grading of Facial Palsy	Junichi Sakaeda(Keio Univ.), Toshiyuki Tanaka(Keio Univ.)
1C06	Medical and Welfare Systems	245	Omni-Directional Vision Sensor Based Behavior Monitoring System Using Bayesian Network	Hirokazu Seki(Chiba Institute of Technology), Atsushi Kiso(Chiba Institute of Technology), Susumu Tadakuma(Chiba Institute of Technology)

Tentative Program

Session ID	Session title	PaperNumber	Title	
1C06	Medical and Welfare Systems	419	Continuous Blood Pressure Measurement System Based on Low Cuff Pressure Approach	Cang-Yi Ding(National central Univ.),Cheng-Ning Huang(National central Univ.),Fang-Ming Yu(St. John's Univ.),Hung-Yuan Chung(National central Univ.),Hiroyasu Shigemori(JFE Steel Corporation),Shuji Kawamura(JFE Steel)
1C07	Process Control	053	Optimum Quality Design Support System for Steel Products using Locally-Weighted Regression	Gaber Shabib Ahmed(Univ. of Tsukuba),Noriyuki Hori(Univ. of Tsukuba)
1C07	Process Control	173	Discrete Time Models of a Continuous Power System Stabilizer	Takao Tomaru(Tokyo Metropolitan Univ.),Yasuchika Mori(Tokyo Univ. of Technology),Yuji Yamakawa(The Univ. of Tokyo),Yoshihiro Okada(Toyohashi Univ. of Technology),Yuji Yamakawa(The Univ. of Tokyo),Takanori Yamazaki(Oyama National College of Technology),Shigeru Kurosu(Crotech)
1C07	Process Control	247	Design Method of Minimum-Phase State Decoupling Control with Feedforward Compensation	
1C07	Process Control	511	Tuning Method of PID Controller for Desired Damping Coefficient	
1C07	Process Control	555	Robust model predictive control for uncertain state delayed system using polytope dependent Lyapunov function	Daehyun Ji(Pohang university of science&technology),Woojong Yoo(Pohang university of science&technology),Sangsu Yeh(Pohang university of science&technology),Sanchul Won(Pohang university of science&technology),Yoshihiro Ohnishi(Kure College of Tech.),Toru Yamamoto(Hiroshima Univ.),Sirish Shah(Univ. of Alberta)
1C07	Process Control	603	Performance-Based PID Tuning and It's Experimental Evaluation	
1C08	OS: Medical Care and Welfare Engineering as a Man-Machine System (2)	348	Development of Breast Cancer Palpation Simulator Using Pneumatic Parallel Manipulator	Masahiro Takaiwa(Okayama Univ.),Toshiro Noritsugu(Okayama Univ.)
1C08	OS: Medical Care and Welfare Engineering as a Man-Machine System (2)	356	Eye Interface for Physically Impaired People by Genetic Eye Tracking	Toshiya Nishimura(Yamaguchi University),Motoki Nakashige(Yamaguchi University),Takuya Akashi(Yamaguchi University),Yuji Wakasa(Yamaguchi University),Kanya Tanaka(Yamaguchi University)
1C08	OS: Medical Care and Welfare Engineering as a Man-Machine System (2)	476	A Study of powered Wheelchair Operation	Masayuki Booka(Hiroshima Internatinal University),Osamu Sueda(The University of Tokushima),Shoichiro Fujisawa(The University of Tokushima)
1C08	OS: Medical Care and Welfare Engineering as a Man-Machine System (2)	489	The dynamically analyzed about a body load of a caregiver with supine to long sitting	Masayuki Soma(Aomorizeikai Hospital),Shoichiro Fujisawa(The University of Tokushima),Osamu Sueda(The University of Tokushima)
1C08	OS: Medical Care and Welfare Engineering as a Man-Machine System (2)	493	A new system to measure color conspicuity: To know what color is vivid to people with low visual capacity	Seiji Mitani(National Institute of Technology and Evaluation),Toshiaki Yoshida(National Institute of Technology and Evaluation),Kouki Terada(University of Tokushima),Shoichiro Fujisawa(University of Tokushima),Osamu Sueda(University of Tokushima)
1C09	OS: Recent Advances in Distributed Parameter Systems	041	Identification Problems for Semilinear Parabolic Evolution Equations	Shin-ichi Nakagiri(Kobe Univ.)
1C09	OS: Recent Advances in Distributed Parameter Systems	126	A finite-dimensional uncertainty modeling for parabolic distributed parameter systems	Jun Imai(Okayama Univ.)
1C09	OS: Recent Advances in Distributed Parameter Systems	171	Stabilization and a class of functionals for linear parabolic systems	Takao Nambu(Kobe University)
1C09	OS: Recent Advances in Distributed Parameter Systems	235	On Observability of a Parallel-Flow Three-Fluid Heat Exchange Process	Hideki Sano(Kagoshima Univ.)
1C09	OS: Recent Advances in Distributed Parameter Systems	263	Tip Position Control of a Two Links Flexible Manipulator Based on the Dynamic Extension Technique	Toshimi Shimizu(Niigata Univ.),Minoru Sasaki(Gifu Univ.),Tokuji Okada(Niigata Univ.)
1C09	OS: Recent Advances in Distributed Parameter Systems	450	Passivity of Flexible Master-Slave Manipulator	Hiroyuki Ukai(Nagoya Institute of Technology),Yoshifumi Morita(Nagoya Institute of Technology),Takahito Mori(Gifu National College of Technology),Minoru Sasaki(Gifu Univ.),Toshimi Shimizu(Niigata Univ.),Koji Iwai(Gifu Univ.),Satoshi Ito(Gifu Univ.)
1C09	OS: Recent Advances in Distributed Parameter Systems	463	Stabilized Controller Design for a Flexible Stacker Crane	
1C10	OS: Unconventional Computation and Communication	195	Structural organization in network artificial chemistry by node programs and token flow	Hideaki Suzuki(NICT)
1C10	OS: Unconventional Computation and Communication	321	Multistate Part for Mesoscale Self-Assembly	Daiko Tsutsumi(Tokyo Institute of Technology),Satoshi Murata(Tokyo Institute of Technology)
1C10	OS: Unconventional Computation and Communication	332	Computation by Wave Propagation Simulated on Self-Timed Cellular Automaton	Tomoyuki Hisamori(University of Hyogo),Teijiro Isokawa(University of Hyogo),Ferdinand Peper(NiCT),Naotake Kamiura(University of Hyogo),Nobuyuki Matsui(University of Hyogo)
1C10	OS: Unconventional Computation and Communication	469	Morphological dynamics in a proto-cell model	Keisuke Suzuki(Univ. of Tokyo),Takashi Ikegami(Univ. of Tokyo)

Tentative Program

Session ID	Session title	PaperNumber	Title	
1C10	OS: Unconventional Computation and Communication	479	On Information-Theoretical Formalization of Intracellular Communications Based on Linear Network Coding	Jian-Qin Liu(NICT)
1C11	OS: System Analysis and Intelligent Design of Multiple Interactive	508	Object Location Prediction Based on Motion Estimation and Traffic Density on Digital Video	Feng-Li Lian(National Taiwan Univ),Ching-Chun Chiang(National Taiwan Univ)
1C11	OS: System Analysis and Intelligent Design of Multiple Interactive	527	A Matrix Approach for Determining Linear Time-Delay System Stability for All Time-Delay Sizes	Chun Pi Lin(National Taiwan Univ.),I Kong Fong(National Taiwan Univ.)
1C11	OS: System Analysis and Intelligent Design of Multiple Interactive	529	Actuation Design of 2D Rotational Modular Robots	Ming-Chiuan Shiu(National Taiwan Univ.),Hou-Tsan Lee(National Taiwan Univ.),Feng-Li Lian(National Taiwan Univ.),Li-Chen Fu(National Taiwan Univ.)
1C11	OS: System Analysis and Intelligent Design of Multiple Interactive	531	Development of a Patrol Robot for Home Security with Network Assisted Interactions	Jong-Hann Jean(St. John's Univ.)
1C11	OS: System Analysis and Intelligent Design of Multiple Interactive	536	LMI-Based Fuzzy Stabilization for Multiple Networked Systems	Kuang-Yow Lian(Chung-Yuan Christian University and National Taipei Univers),Wen-Tsung Yang(Chung-Yuan Christian University),Yu-Jyun Huang(Chung-Yuan Christian University)
1C11	OS: System Analysis and Intelligent Design of Multiple Interactive Systems	538	The Time-Delay Effect of Multiple-Network Systems in NCS	Ching-Wen Cheng(National Chiao-Tung University),Chien-Liang Lai(National Chiao-Tung University),Bor-Chyun Wang(China University of Technology),Pau-Lo Hsu(National Chiao-Tung University)
1C12	Systems Theory and Engineering	125	Development of an Energy-efficient LP Gas Pressure Regulator	Keigo Misawa(Hosei Univ.),Yusuke Miho(Hosei Univ.),Kajiro Watanabe(Hosei Univ.)
1C12	Systems Theory and Engineering	191	Proposal of Web System "NAP-Web" to Promise Next Access	Tomohiko Kaji(Kagawa Univ),Keizo Saisho(Kagawa Univ)
1C12	Systems Theory and Engineering	324	Cross-Layer Design for Throughput Improvement in Wireless Communications	Shintaro Mori(Kagawa Univ.),Koji Ishii(Kagawa Univ.),Shigeaki Ogose(Kagawa Univ.)
1C12	Systems Theory and Engineering	432	Some Algorithms for Real-Time Generation of Non-Regular Sequences on One-Bit Inter-Cell-Communication Cellular Automata	Naoki Kamikawa(Osaka Electro-Communication University),Hiroshi Umeo(Osaka Electro-Communication University)
1C12	Systems Theory and Engineering	549	Development of PANGEA and SICE Academic Activity Support Systems	TErANO Takao(Tokyo Institute of Technology),OTSUKA Yukichi(Gakkai Net Co., Ltd.),KUGAWA Masashi(Gakkai Net Co., Ltd.),KUrAHASHI Setsyua(Tsukuba Univ.)
1C13	Neural Networks and their Application	003	Sliding Mode Control Using Neural Networks for SISO Nonlinear Systems	Muhammad Yasser(Chiba University),Agus Trisanto(Chiba University),Ayman Haggag(Chiba University),Takashi Yahagi(Chiba University),Hiroo Sekiya(Chiba University),Jianming Lu(Chiba University)
1C13	Neural Networks and their Application	183	Characteristic of adaptive type neural network direct controller with separate learning rule	Takayuki Yamada(Ibaraki Univ.)
1C13	Neural Networks and their Application	291	Control of Roving Robot Using Chaotic Dynamics in A Quasi-layered Recurrent Neural Network for Sensing and Driving	Li Yongtao(Okayama Univ.),Tai Tanaka (Okayama Univ.),Shigetoshi Nara(Okayama Univ.)
1C13	Neural Networks and their Application	378	Emergence of Robotic Intelligence by Chaos for Catching Fish	Jun Hirao(Univ. of Fukui),Mamoru Minami(Univ. of Fukui),Yasushi Mae(Osaka),Gao Jingyu(Univ. of Fukui)
1C13	Neural Networks and their Application	424	Inverse Estimation of Joint Angles of Robot Arm by Network Inversion	Nanae Sekiguchi(Takushoku Univ.),Takehiko Ogawa(Takushoku Univ.),Hajime Kanada(Takushoku Univ.)
1C13	Neural Networks and their Application	581	Implicit estimation of other's intention without direct observation of actions in a collaborative task: Situation-Sensitive Reinforcement Learning	Tadahiro Taniguchi(Kyoto Univ.),Kenji Ogawa(Kyoto Univ.),Tetsuo Sawaragi(Kyoto Univ.)
1C14	OS: Biomimetic Approach in Robotics and Machines	072	Task Allocation with a Cooperative Plan for an Emotionally Intelligent System of Multi-Robots	Sajal Banik(Saga Univ.),Keigo Watanabe(Saga Univ.),Kiyotaka Izumi(Saga Univ.)
1C14	OS: Biomimetic Approach in Robotics and Machines	210	Multi-Preview Configuration Control for Redundant Manipulator by Future Reachability Evaluation	Zhang Tongxiao(Fukui Univ),Minami Mamoru(Fukui Univ),Song Wei(Fukui Univ)
1C14	OS: Biomimetic Approach in Robotics and Machines	390	CPG Based Control for Generating Stable Bipedal Trajectories Under External Perturbation	Guang Lei Liu(Saga Univ.),Maki Habib(Saga Univ.),Keigo Watanabe(Saga Univ.),Kiyotaka Izumi(Saga Univ.)
1C14	OS: Biomimetic Approach in Robotics and Machines	457	On-line Stable Evolutionary Recognition by Quaternion Motion-Feedforward Compensation	Wei Song(Univ. of Fukui),Mamoru Minami(Univ. of Fukui),Yasushi Mae(Univ. of Fukui),Seiji Aoyagi(Kansai Univ.)
1C14	OS: Biomimetic Approach in Robotics and Machines	636	Learning of Inverse-dynamics and Inverse-kinematics for Two-link SCARA Robot Using Neural Networks	Ken Onozato(Kansai Univ.),Yutaka Maeda(Kansai Univ.)
1C14	OS: Biomimetic Approach in Robotics and Machines	637	Hardware Design of Self-Organization for Clustering	Atsushi Ishihara(Kansai Univ.),Yutaka Maeda(Kansai Univ.)
1C16	Robot Control (2)	142	A Controller Design on Person Following Omni-directional Vehicle Robots	Prasam Kiddee(Polytechnic Univ.),Akira Shimada(Polytechnic Univ.)
1C16	Robot Control (2)	252	Initial State Observer Design for Self-localization of Mobile Robots	Muneaki Higuchi(Nara Institute of Science and Technology),Hisakazu Nakamura(Nara Institute of Science and Technology),Hirokazu Nishitani(Nara Institute of Science and Technology)

Tentative Program

Session ID	Session title	PaperNumber	Title	
1C16	Robot Control (2)	297	Development of Autonomous Bike Robot with Balancer	Akihiro Murayama(Mechanical and Control Eng Tokyo Institut of Technology),Masaki Yamakita(Mechanical and Control Eng Tokyo Institut of
1C16	Robot Control (2)	657	Obstacle avoidance, arrest and guidance of a prismatic 2D object using multi agents	Ashish Dutta(Indian Institute of Technology Kanpur),Pankaj Sharma(IIT Kanpur),Anupam Saxena(IIT Kanpur)
1C16	Robot Control (2)	667	Development of Walking Assist Equipment with Pneumatic Cylinder	Toshihiko Morichika(Meiji University),Fumitaka Kikkawa(Meiji University),Osamu Oyama(Meiji University), Toshihiro Yoshimitsu(Kanagawa
1C17	Robot Arm and Manipulator	382	A Systematic Approach to Stiffness Analysis of Parallel Mechanisms and its Comparison with FEM	Kiyoshi Nagai(ritsumeikan University),Zhengyong Liu(ritsumeikan University)
1C17	Robot Arm and Manipulator	425	A Method of Real-time Coordination of Redundant Muscles for Multi-DOF Robot Joints	Masakazu Suzuki(Tokai Univ.), Takashi Mayahara(Tokai Univ.)
1C17	Robot Arm and Manipulator	483	Multiple Obstacles Avoidance for Kinematically Redundant Manipulators Using Jacobian Transpose Method	Kwang-Kyu Lee(Technical University Munich),Yuta Komoguchi(Technical University Munich),Marin Buss(Technical University Munich)
1C17	Robot Arm and Manipulator	518	Regenerating Human-like Arm Motions of Humanoid Robots for a Movable Object	ChangHwan Kim(KIST),Seungsu Kim(KIST),Syungkwon ra(KIST),Bum Jae You(KIST)
1C17	Robot Arm and Manipulator	655	Motion Simulation of Robot Arm Using Reinforcement Learning	Oshiro Takahito(Hosei Univ.),Watanabe Kajiro(Hosei Univ.)
2A01	Neural Networks	211	Multi-objective Multiclass Support Vector Machine for Pattern Recognition	Keiji Tatsumi(Osaka University),Kenji Hayashida (Osaka University),Hiroki Higashi(Osaka University),Tetsuzo Tanino(Osaka University)
2A01	Neural Networks	251	Medical Image Recognition of Abdominal X-ray CT Images by RBF GMDH-type Neural Network	Tadashi Kondo(The University of Tokushima),Junji Ueno(The University of Tokushima)
2A01	Neural Networks	280	Three dimensional medical images of the lungs and brain recognized by artificial neural networks	Takaomi Matuki(Tokushima Univ.),Tsuyoshi Kudo(Tokushima Univ.),Tadashi Kondo(Tokushima Univ.),Junji Ueno(Tokushima Univ.)
2A01	Neural Networks	329	Impact Perforation Image Processing using a Self-Organizing Map	Kenji Okubo(Takushoku Univ.),Takehiko Ogawa(Takushoku Univ.),Hajime Kanada(Takushoku Univ.)
2A01	Neural Networks	335	A BER Worst Pattern of Waveform Discrimination Using 2-7 Code Neural Networks	Kouta Miyazato(Takushoku Univ.),Takehiko Ogawa(Takushoku Univ.),Hajime Kanada(Takushoku Univ.),Shigeru Yoshizawa(Takushoku Univ.)
2A01	Neural Networks	350	EMG Pattern Classification using Spectral Estimation and Neural network	Kyung Kwon Jung(Dongguk University),Joo Woong Kim(Dongguk University),Ki Hwan Eom(Dongguk University),Hyun Kwan Lee(Honam University),Sung Boo Chung(Seoil College)
2A02	OS: Human Factors in Vehicle Operation	038	Hybrid System Modeling of Human Driver in the Vehicle Following Task	Toshikazu Akita(Nagoya Univ.),Shinkichi Inagaki(Nagoya Univ.),Tatsuya Suzuki(Nagoya Univ.),Soichiro Hayakawa(Toyota Tech. Inst.),Nuio Tsuchida(Toyota Tech. Inst.)
2A02	OS: Human Factors in Vehicle Operation	070	Effect of Safe-driving Instructions on Driver Behavior at Non-signalized Intersection	Hiroaki Kosaka(NAIST),Nobuhisa Higashikawa(NAIST),Hirokazu Nishitani(NAIST)
2A02	OS: Human Factors in Vehicle Operation	339	Indices for Characterizing Driving Style and their Relevance to Car Following Behavior	Motonori Ishibashi(Mazda Motor Corp.),Masayuki Okuwa(Toyota Central randD Labs. Inc.),Shun'ichi Doi(Kagawa Univ.),Motoyuki Akamatsu(AIST)
2A02	OS: Human Factors in Vehicle Operation	487	Modeling and Validation of Carsickness Mechanism	Norimasa Kamiji(Kagawa Univ.),Yoshinori Kurata(Kagawa Univ.),Takahiro Wada(Kagawa Univ.),Shun'ichi Doi(Kagawa Univ.)
2A02	OS: Human Factors in Vehicle Operation	623	Characteristic of Depth Attention when Observer is in Dark Field	ruting Xia(Kagawa University),Masato Fukushima(Kagawa University),Shunichi Doi(Kagawa University),Takahiko Kimura(Osaka University),Toshiaki Miura(Osaka University)
2A03	OS: Evolutionary and Distributed Systems Towards Real-world Applications (1)	448	Evolutionary and Distributed Systems Towards Real-world Applications	Keiji SATO(The University of Electro-Communications),Keiki TAKADAMA(The University of Electro-Communications)
2A03	OS: Evolutionary and Distributed Systems Towards Real-world Applications (1)	462	Tierra-based space system for robustness of bit inversion and program evolution	Ken NONAMI(The University of Electro-Communications),Keiki TAKADAMA(The University of Electro-Communications)
2A03	OS: Evolutionary and Distributed Systems Towards Real-world Applications (1)	608	Using Game Theory for Power and Rate Control in Wireless Ad Hoc Networks	Azman LIM(NICT),Youti KADO(NICT)
2A03	OS: Evolutionary and Distributed Systems Towards Real-world Applications (1)	629	A Robustness Distributed System with Sensing and Fault Detection for Large-scale Sensor Networks	Kiyohiko Hattori(National Institute of Information and Communication Technol),Keiki Takadama(The University of Electro-Communications),Satoshi MURATA(Tokyo Institute of Technology, Japan),Hiroshi FURUYA(Tokyo
2A04	OS: International Share of Information on Measurement Science and Sensing Technologies	445	Activities of New TC22 Vibration Measurement	Takashi Usuda(NMIJ/AIST),Hidetaka Imai(AIST)

Tentative Program

Session ID	Session title	PaperNumber	Title	
2A04	OS: International Share of Information on Measurement Science and Sensing Technologies	498	Dynamic Problems in Measurement of Mass-related Quantities	Yamazaki Takanori(Oyama National College of Technology),Toshiro Ono(Okayama University of Science)
2A04	OS: International Share of Information on Measurement Science and Sensing Technologies	506	Measurement and Analysis of Motor Adaptation to Dynamic Environments	Koji Ito(Tokyo Institute of Tech)
2A04	OS: International Share of Information on Measurement Science and Sensing Technologies	591	Viewpoints of Education and Science in Measurement and Instrumentation	Shigeru TAKAYAMA(ritsumeikan Univ.BKC)
2A04	OS: International Share of Information on Measurement Science and Sensing Technologies	606	Progress and Promotion of the International Interchange of Information on Sensing Technologies	Hidetaka IMAI(NMIJ, AIST),Hiro YAMASAKI(Tokyo Univ.)
2A04	OS: International Share of Information on Measurement Science and Sensing Technologies	607	IMEKO and SICE - Collaboration and Competition	Kozo Iizuka(J. A. Metrology Prom.)
2A05	Mechanical Systems Control (2)	065	Discrete-Valued Input Control of Crane Systems Using Optimal Dynamic Quantizer	Yuki Minami(Kyoto University),Shun-ichi Azuma(Kyoto University), Toshiharu Sugie(Kyoto University)
2A05	Mechanical Systems Control (2)	122	FDI filter design using sliding mode observer and its application to an active control system	Akira Nakazawa(Shinshu Univ.), Yuichi Chida(Shinshu Univ.)
2A05	Mechanical Systems Control (2)	302	Time Series Analysis Based Overload Detection Algorithm for Excavator	Chang Ho Yu(Pusan National University),Jae Weon Choi(Pusan National
2A05	Mechanical Systems Control (2)	322	Fractional Derivative Control Designs by Inhomogeneous Sampling for Systems with Nonlinear Elements	Fujio Ikeda(Kochi National College of Technology),Shigehiro Toyama(Nagaoka National College of Technology)
2A05	Mechanical Systems Control (2)	423	Effect of Tire Damping on the Ride Performance Potential of Active Suspension Systems	Semiha Turkay(Anadolu University),Huseyin Akcay(Anadolu University)
2A05	Mechanical Systems Control (2)	584	Swing up Control Experiment aimed at Energy Interaction between the Acrobot and Compliance	Masao Kanazawa(TITECH Univ.),ryuichi Anami(TITECH Univ.),Shigeki Nakaura(TITECH Univ.),Mitsuiji Sampei(TITECH Univ.)
2A06	Nonlinear Control (2)	261	Homogeneous Eigenvalue Analysis for Complex Homogeneous Systems of Degree (l,l)	Nami Nakamura(Nara Institute of Science and Technology),Hisakazu Nakamura(Nara Institute of Science and Technology),Yuh Yamashita(Hokkaido Univ.),Hirokazu Nishitani(Nara Institute of Science and
2A06	Nonlinear Control (2)	331	Synchronization Control for Circadian Rhythm of Drosophila with Flatness-based Adaptive Control	Tetsuya Kusumi(Keio University),Hitomitsu Ohmori(Keio University)
2A06	Nonlinear Control (2)	501	Design of a Model Following Stabilizer to an Artificial Gravity Control Model	Masaki Izutsu(Tokyo Denki University),Katsuhisa Furuta(Tokyo Denki
2A06	Nonlinear Control (2)	534	Semi-Global Output Regulation of Nonminimum-phase Nonlinear Systems via Error Feedback	Yoshinori Hirose(Hokkaido Univ.),Yuh Yamashita(Hokkaido Univ.)
2A06	Nonlinear Control (2)	554	Model Following Control with A Sliding Mode Adjustment for A Positioning System	Miki Shichijo(kyutech),ryuichi Oguro(kyutech)
2A06	Nonlinear Control (2)	597	Formation Stability of Multi-Agent Systems with State-Dependent Communication Loss	Gajamohan Mohanarajah(Tokyo Inst. of Tech.),Tomohisa Hayakawa(Tokyo Inst. of Tech.)
2A07	Adaptive Control (2)	004	Simple Adaptive Control for SISO Nonlinear Systems Using Multiple Neural Networks	Muhammad Yasser(Chiba University),Agus Trisanto(Chiba University),Ayman Haggag(Chiba University),Takashi Yahagi(Chiba University),Hiroo Sekiya(Chiba University),Jianming Lu(Chiba University)
2A07	Adaptive Control (2)	119	A robust adaptive control for robotic manipulator with input torque uncertainty	Kazuya Sato(Saga Univ.),Kazuhiro Tsuruta(Kyushu Sangyo Univ.),Hiroshi Mukai(Saga Univ.)
2A07	Adaptive Control (2)	215	Adaptive Longitudinal Velocity and Lane Keeping Control of Four-Wheel-Steering Vehicles	Yuma Yoshida(Kyushu Institute of Technology),Qiang Wang(Kyushu Institute of Technology),Masahiro Oya(Kyushu Institute of Technology),Katsuhiro Okumura(Fukuoka Industrial Technology Center)
2A07	Adaptive Control (2)	505	Disturbance Observer-Based Internal Model Control with An Adaptive Mechanism For Linear Actuators	Masayuki Kigure(Gunma Univ.),Seiji Hashimoto(Gunma Univ.),Takeo Ishikawa(Gunma Univ.)
2A07	Adaptive Control (2)	522	Adaptive Semiactive Suspension System by Linearly Parameterized Controller	Tomoaki Mori(Keio University),Itthisek Nilkhamhang(Keio University),Akira Sano(Keio University)
2A07	Adaptive Control (2)	595	Generalized Predictive Controls over State Space	Jung Hun Park(Seoul National Univ.),Soohee Han(Seoul National Univ.),Wook Hyun Kwon(Seoul National Univ.)
2A08	Optimization and Reinforcement Learning	071	Global Optimization with Chaotic Particles Inspired by Swarm Intelligence	Kazuaki Masuda(Kanagawa Univ.),Kenzo Kurihara(Kanagawa Univ.)
2A08	Optimization and Reinforcement Learning	133	The Optimal Design of the Vehicle Routing Problem with Time Windows by Ant Colony System	Hiroaki Ono(Tokyo Metropolitan Univ.),Yasuchika Mori(Tokyo Metropolitan Univ.)
2A08	Optimization and Reinforcement Learning	178	Elevator Group Control System using Genetic Network Programming with ACO Considering Transitions	Lu Yu(Waseda Univ.),Jin Zhou(Waseda Univ.),Shingo Mabu(Waseda Univ.),Kotaro Hirasawa(Waseda Univ.),Jinglu Hu(Waseda Univ.),Sandor

Tentative Program

Session ID	Session title	PaperNumber	Title	
2A08	Optimization and Reinforcement Learning	194	Optimizing Reserve Size in Genetic Algorithms with Reserve Selection Using Reinforcement Learning	Yang Chen(Waseda Univ.),Jinglu Hu(Waseda Univ.),Kotaro Hirasawa(Waseda Univ.),Songnian Yu(Shanghai Univ.)
2A08	Optimization and Reinforcement Learning	196	A New Cooperative Approach to Discrete Particle Swarm Optimization	Yiheng Xu(Waseda University),Jinglu Hu(Waseda University),Kotaro Hirasawa(Waseda University),Xiaohong Pang(Shanghai Jiao Tong University)
2A08	Optimization and Reinforcement Learning	365	Model-based Reinforcement Learning with Model Error and Its Application	Yoshiyuki TAJIMA(Tsukuba Univ.),Takehisa ONISAWA(Tsukuba Univ.)
2A09	OS: Methods of Control Engineering in Systems Biology	086	Evaluation of Circadian Clock Model based on Orbital Stability	Takamichi Hinohara(Waseda Univ.),Kenko Uchida(Waseda Univ.)
2A09	OS: Methods of Control Engineering in Systems Biology	088	Modeling of IL-1 induced NF-kappaB signaling and analysis of additional UVB influence	Johannes Witt(Univ. of Stuttgart, ISYS),Sebastian Husser(Univ. of Stuttgart, ISYS),Dagmar Kulms(Univ. of Stuttgart, IZI),Sandra Barisic(Univ. of Stuttgart, IZI),Oliver Sawodny(Univ. of Stuttgart, ISYS),Thomas Sauter(Univ. of Stuttgart, ISYS)
2A09	OS: Methods of Control Engineering in Systems Biology	287	Methods for analysis of evolutive adaptation of E. coli	ronny Feuer(Universitaet Stuttgart),Michael Ederer(MaxPlanckInstitute fuer Dynamik komplexer technischer System),Georg Sprenger(Universitaet Stuttgart),Thomas Sauter(Universitaet Stuttgart),Oliver Sawodny(Universitaet Stuttgart)
2A09	OS: Methods of Control Engineering in Systems Biology	342	Recovery Patterns in the Physiological Responses of the Autonomic Nervous System Induced by Mental Workload	Chie Soga(Kyushu Institute of Technology),Shinji Miyake(University of Occupational and Environmental Health Japan),Chikamune Wada(Kyushu University)
2A09	OS: Methods of Control Engineering in Systems Biology	495	Understanding of robustness for a basic system of cell cycle in Yeast	Takehito Azuma(Utsunomiya Univ.)
2A10	OS: Recent Progress in Temperature Measurement (1)	182	A Calculation of E.M.F. Drift from the Rh Contents for Platinum Based Thermocouples	Tokio Hamada(Tanaka Kikinzoku Kogyo K.K.)
2A10	OS: Recent Progress in Temperature Measurement (1)	305	Study on the Realization of Indium Point	Januarius Widiatmo(NMIJ, AIST),Kazuaki Yamazawa(NMIJ, AIST),Koichi Sato(NMIJ, AIST),Jun Tamba(NMIJ, AIST),Masaru Arai(NMIJ, AIST)
2A10	OS: Recent Progress in Temperature Measurement (1)	401	Evaluation of a horizontal furnace for precise comparison between a radiation thermometer and a platinum resistance thermometer	Kazuaki Yamazawa(NMIJ, AIST),Kiyoshi Anso(NMIJ, AIST),Masaru Arai(NMIJ, AIST)
2A10	OS: Recent Progress in Temperature Measurement (1)	512	Experimental Investigation of Cr3C2-C Peritectic Fixed Point	Yoshiro Yamada(National Metrology Institute of Japan, AIST),Yunfen Wang(National Metrology Institute of Japan, AIST),Naohiko Sasajima(National Metrology Institute of Japan, AIST)
2A10	OS: Recent Progress in Temperature Measurement (1)	515	Investigation of WC-C peritectic high-temperature fixed point	Naohiko Sasajima(NMIJ, AIST),Yoshiro Yamada(NMIJ, AIST)
2A11	Signal Processing (2)	078	Optimal wavelet expansion via sampled-data \mathcal{H}^∞ control theory	Masaki Ogura(Kyoto Univ.),Masaaki Nagahara(Kyoto Univ.),Yutaka Yamamoto(Kyoto Univ.)
2A11	Signal Processing (2)	212	A Study of Narrow-Band and Compact Size Microstrip Bandpass Filters for Wireless Communications	Duangporn Puttadilok(Sirindhorn International Institute of Technology),Duangrat Eungdamrong(Sirindhorn International Institute of Technology),Watchanun Tanacharoenwat(Sirindhorn International Institute of Technology)
2A11	Signal Processing (2)	265	Wavelet Audio Watermark Robust Against MPEG Compression	Patcharin Artameeyanant(Vongchavalitkul University)
2A11	Signal Processing (2)	406	Analysis and Improvement of Post-Processing for BSS Aiming to Suppress Recognizable Crosstalk	Kazuya Nakagawa(The University of Electro-Communications),Kota Takahashi(The University of Electro-Communications)
2A11	Signal Processing (2)	409	An algorithmic study on blind source separation for preprocessing of an Echo Canceler	Sakai Yoshihiro(Tsuyama National College of Technology),Takahashi Kota(University of Electro-Communications),Mitsuhashi Wataru(University of Electro-Communications)
2A11	Signal Processing (2)	453	Sound Target Tracking in 3D using Particle Filter with 4 Microphones	Masato Kawanishi(Kyushu Tech.),ryousuke Maruta(Taiko refractories Co.),Norikazu Ikoma(Kyushu Tech.),Hideaki Kawano(Kyushu Tech.),Hiroshi Atsuo Ozaki(Mitsubishi Electric Corp.),Kazutaka Matsushita(Mitsubishi Electric Information Systems Corp.),Masashi Shiraishi(Mitsubishi Electric Corp.),Shusuke Watanabe(Mitsubishi Electric Corp.),Masakazu Furuchi(Mitsubishi Electric Corp.),Hiroyuki Sato(Mitsubishi Electric Corp.)
2A12	Transportation Systems	114	Dynamic Time Step Synchronization method for Road Traffic simulation - Application to RoboCup Rescue simulation -	Satoshi Takahashi(Nihon Univ.),Takashi Izumi(Nihon Univ.)
2A12	Transportation Systems	201	Travel Time Measurement by Vehicle Sequence Matching Method	Takashi Izumi(Nihon University),Masayuki Kikawa(Nihon University)
2A12	Transportation Systems	203	Forward vehicle tracking based on shadow detection	Shunsuke Hase(Nihon University),Michitaka Nishimoto(Nihon University)
2A12	Transportation Systems	208	Robust Active Suspension Controller Achieving Good Ride Comfort	Hiroki Okuda(Kyushu Institute of Technology),Yasutaka Tsuchida(Kyushu Institute of Technology),Masahiro Oya(Kyushu Institute of Technology),Qiang Wang(Kyushu Institute of Technology),Katsuhiko Okamura(Fukuoka Industrial

Tentative Program

Session ID	Session title	PaperNumber	Title	
2A12	Transportation Systems	221	Improvement of Height Measurement	Takashi Izumi(Nihon University),Yuji Okada(Nihon University),Takeshi Hoshino(Nihon University)
2A12	Transportation Systems	509	An Analysis of Mean Link Travel Time in Urban Road Networks and Its Applications	Hikaru Shimizu(Fukuyama Univ.),Masa-aki Kobayashi(Fukuyama Univ.),Haruko Fujii(Yuge National College of Maritime Tech.),Shigekazu
2A14	OS: Advanced Image-Based Measurement	115	Visual Defect Inspection of Rotating Screw Heads	Hiroyuki Ukida(Tokushima Univ.)
2A14	OS: Advanced Image-Based Measurement	166	Multi-baseline Stereo by Maximizing Total Number of Interest Points	Tomokazu Sato(Nara Institute of Science and Technology),Naokazu Yokoya(Nara Institute of Science and Technology)
2A14	OS: Advanced Image-Based Measurement	206	Estimation of the 3D Structure of Road Scenes from Monocular Images and Range Data	Koichiro Yamaguchi(Toyota Central Labs.),Takeo Kato(Toyota Central Labs.),Yoshiki Ninomiya(Toyota Central Labs.)
2A14	OS: Advanced Image-Based Measurement	312	Detection of Professional Techniques in Cooking by Image Processing	Yoko Akagi(Shibaura Institute of Technology),Yoshimitsu Aoki(Shibaura Institute of Technology),Eri Hoshikawa(Ajinomoto),Toshiyuki
2A14	OS: Advanced Image-Based Measurement	352	Assistance system for designing mirrored surface using projector	Daisuke Nakamura(Osaka Univ.),Shinsaku Hiura(Osaka Univ.),Kosuke Sato(Osaka Univ.)
2A15	Robot Control (3)	037	Mobile Robot Mapping with Geometrically Inconsistent Measurements in Dynamic Environments	Kanji Tanaka(kyushu univ.),eiji kondo(kyushu univ.)
2A15	Robot Control (3)	064	A Vision-Based Navigation Control System for A Mobile Service Robot	Mohamed Abdellatif(Qatar University)
2A15	Robot Control (3)	131	Walking Control Based on the SIPUP Model	Koki Kameta(Hirosaki Univ.),Akinori Sekiguchi(Hirosaki Univ.),Yuichi Tsumaki(Hirosaki Univ.),Dragomir Nenchev(Musashi Inst. Thch.)
2A15	Robot Control (3)	443	Bias Estimation of DGPS Multi-Path Datafor Localization of Mobile Robot	Yong-Shik Kim(AIST),Bong Keun Kim(AIST),Kohtar Ohba(AIST),Akihisa Ohya(Univ. of Tsukuba)
2A15	Robot Control (3)	472	Technique to Correct the Localization Error of the Mobile Robot Positioning System Using an RFID	Min Cheol Lee(Pusan National Univ.),Hyun-Jeong Lee(Pusan National Univ.),Moon Sik Kim(Pusan National Univ.)
2A16	OS: Sensing, Control and Safety Systems for Smart Vehicle Automation (1)	076	Obstacle Map Generation Using Virtual Disparity Image	Naoki Suganuma(Kanazawa Univ.),Naofumi Fujiwara(Kanazawa Univ.)
2A16	OS: Sensing, Control and Safety Systems for Smart Vehicle Automation (1)	325	Fault Detection of Railway Vehicle Suspensions Using Multiple Model Approach	Yusuke Hayashi(Graduate school of Nihon University),Hitoshi Tsunashima(Nihon University),Yoshitaka Marumo(Nihon University)
2A16	OS: Sensing, Control and Safety Systems for Smart Vehicle Automation (1)	326	Design of Lane Tracking Controller for Motorcycles	Nozomi Katagiri(Graduate School of Nihon University),Yoshitaka Marumo(Nihon University),Hitoshi Tsunashima(Nihon University)
2A16	OS: Sensing, Control and Safety Systems for Smart Vehicle Automation (1)	371	Localization of Mobile Robots by Multiple Landmark Recognition	ryohei Ozawa(University of Fukui),Yasushi Mae(Osaka University),Mamoru Minami(University of Fukui)
2A16	OS: Sensing, Control and Safety Systems for Smart Vehicle Automation (1)	589	Autonomous Flight Control for RC Helicopter Using Camera Image	Syuhei Saito(Musashi Institute of Technology),Yue Bao(Musashi Institute of Technology),Takahito Mochizuki(Musashi Institute of Technology)
2B02	Intelligent Systems	188	Buying and Selling Stocks of Multi Brands using Genetic Network Programming with control nodes	Zhiguo Bao(Waseda University),Shigo Mabu(Waseda University),Kotaro Hirasawa(Waseda University),Jinglu Hu(Waseda University)
2B02	Intelligent Systems	219	A Note on Morphological Analysis Methods based on Statistical Decision Theory	Yasunari MAEDA(KIT),Naoya IKEDA(KIT),Hideki YOSHIDA(KIT),Yoshitaka FUJIWARA(KIT),Toshiyasu
2B02	Intelligent Systems	537	Theoretical Analysis on Effects of Room Arrangement on Inhabitant Behaviors	Tomoko Ohya(Kyoto Univ.),Masanori Shimamoto(Kyoto Univ.),Hiroshi Kawakami(Kyoto Univ.),Takayuki Shiose(Kyoto Univ.),Osamu Katai(Kyoto
2B02	Intelligent Systems	551	3D Template Based Automatic Landmine Detection from GPR Data	Zakarya ZYADA(Nagoya Univ.),Toshio FUKUDA(Nagoya Univ.)
2B02	Intelligent Systems	652	Measurement of Correlation between Age and the Human Visual Interpolation Ability	Yinlai Jiang(Kochi Univ. of Tech.),Shuoyu Wang(Kochi Univ. of Tech.)
2B03	OS: Evolutionary and Distributed Systems Towards Real-world Applications (2)	225	An evolutionary system for the prediction of gene regulatory networks in biological cells	Tetsuya Maeshiro(Univ. Tsukuba),Shin-ichi Nakayama(Univ. Tsukuba),Hitoshi Hemmi(NTT CS Labs),Katsunori Shimohara(Doshisha Univ.)
2B03	OS: Evolutionary and Distributed Systems Towards Real-world Applications (2)	276	Emergent Behavior Based on Disparity of Individual Capability	Takamasa Iio(Doshisha Univ.),Ivan Tanev(Doshisha Univ.),Katsunori Shimohara(Doshisha Univ.)

Tentative Program

Session ID	Session title	PaperNumber	Title	
2B03	OS: Evolutionary and Distributed Systems Towards Real-world Applications (2)	470	Evolution of Human Competitive Driving Agent Operating a Scale Model of a Car	Ivan Tanev(Doshisha Univ.),Katsunori Shimohara(Doshisha Univ.)
2B04	OS: Web-based Technologies in Exploratory Learning and Monitoring Cognition	323	A Support Tool for English Composition Using a Search Engine	Yuichi Tsunashima(Kagawa Univ.),Yuta Kawasaki(Kagawa Univ.),Kazuaki Ando(Kagawa Univ.)
2B04	OS: Web-based Technologies in Exploratory Learning and Monitoring Cognition	662	Fill-in Type Testing System Cooperated in Both of Web and Stand-alone execution for C Programming Exercise	Shingo Kuninobu(Kagawa University),Hiroyuki Tominaga(Kagawa University),Toshihiro Hyashi(kagawa University)
2B04	OS: Web-based Technologies in Exploratory Learning and Monitoring Cognition	663	VR Edutainment Materials Platform for Elementary Dynamics Experiment with HI Input Devices	Shun Tokuyama(Kagawa University),Yuma Hanafusa(Kagawa University),Hiroyuki Tominaga(Kagawa University),Hiroyuki Kitajima(Kagawa University)
2B04	OS: Web-based Technologies in Exploratory Learning and Monitoring Cognition	664	Development of a Self Study Material Contribution and Sharing System for Passing the Information Technology Engineer Certifying Examinations	Toshihiro Hayashi(Kagawa Univ.),Takanori Mizuno(Kagawa Univ.),Hiroyuki Tominaga(Kagawa Univ.),Toshinori Yamasaki(Univ. of the Air)
2B04	OS: Web-based Technologies in Exploratory Learning and Monitoring Cognition	666	A Calculating System of Attractive Value for Commercial Message on Large Screen	Daisuke Kusaka(Graduate School of Engineering, Kagawa University),Junya Abe(Graduate School of Engineering, Kagawa University),Yukio Hori(Information Technology Center, Kagawa University),Yoshiro Imai(Information Technology Center, Kagawa University)
2B05	Robust Control (2)	055	Stochastic Nash Games with State-Dependent Noise	Hiroaki Mukaidani(Hiroshima Univ.),Toru Yamamoto(Hiroshima Univ.),Muneomi Sagara(Hiroshima Univ.)
2B05	Robust Control (2)	069	Auto Tuning on Robust Parameters of a PID Controller for a 2nd-order Adjusted System with One Changeable Parameter	Makoto Katoh(Osaka Institute of Technology),Atsushi Fujiwara(Graduate of Osaka Institute of Technology)
2B05	Robust Control (2)	341	Three-Degree-of-Freedom Internal Model Control for Unstable Process	rui Wang(Yamagata Univ.),Keiji Watanabe(Yamagata Univ.)
2B05	Robust Control (2)	384	Randomized Algorithms for Robust Feasibility Problems with General Nonconvex Constraints	Takayuki Wada(Kobe University),Yasumasa Fujisaki(Kobe University)
2B06	Manufacturing systems	019	Development of High Precision X-Y Stage using for Production and Inspection Equipment of Organic Electro Luminescence Display	Myung-Jin Chung(Korea Polytechnic Univ.)
2B06	Manufacturing systems	268	A Study of 3D Printing Method in the Office SFF System	Jung-Su Kim(1Department of Mechanical and Intelligent Systems Engineerin),Min-Cheol Lee(1Department of Mechanical and Intelligent Systems Engineerin),Dong-Su Kim(KIMM(Korea Institute Machinery & Yu-Lim Jun(Department of Intelligent Mechanical Engineering, Pusan Nati),Min-Cheol Lee(Department of Intelligent Mechanical Engineering, Pusan Nati),Jung-su Kim(Department of Intelligent Mechanical Engineering, Pusan Jun Bong Song(LG Electronics),Seung Hwan Yun (LG Electronics),Won Jeong Lee (LG Electronics)
2B06	Manufacturing systems	385	Meshed Matching Algorithm For LCD Panel Inspection Machine	Ali Adam(Yildiz Technical University),Kayhan Gulez(Yildiz Technical University)
2B07	Modeling, System Identification and Estimation (1)	039	High Frequency Modeling of PMSM Connected to Long Cable	Javad rezaie(University Of Tehran),Behzad Moshiri(University Of Tehran),Babak Araabi(University Of Tehran),Ali Asadian(University Of Min Zheng(Tokushima Univ.),Kenji Ikeda(Tokushima Univ.),Takao Shimomura(Tokushima Univ.)
2B07	Modeling, System Identification and Estimation (1)	153	GPS/INS Integration Using Nonlinear Blending Filters	Suzuki Shosuke(Tohoku Bunka Gakuen Univ.),Tsunoda Masaki(Tohoku Bunka Gakuen Univ.),Taniguchi Masanari(Tohoku Bunka Gakuen Univ.),Takagi Tasuku(Tohoku Univ. Emeritus)
2B07	Modeling, System Identification and Estimation (1)	238	Estimation of Rotary Inverted Pendulum by using the Unscented Kalman Filter -Estimation of the initial state	Mesch Franz(Karlsruhe Univ.)
2B07	Modeling, System Identification and Estimation (1)	397	Characterization of Road Traffic Flow from Measured Data of Speed and Time-Headway	Takanori Shimomura(Yokogawa Electric Corporation),Kazuya Kubo(Yokogawa Electric Corporation),Nobuo Okabe(Yokogawa Electric Corporation),Eiji Nagai(Yokogawa Electric Corporation),Takeshi Ohno(Yokogawa Electric Corporation)
2B07	Modeling, System Identification and Estimation (1)	668	Structures for Self-monitoring of Measurement Systems	Vinh Nguyen(Chulalongkorn Univ.),Watit Benjapolakul(Chulalongkorn Univ.),Krisada Visavateeranon(Chulalongkorn Univ.)
2B08	Network Systems	089	Quantitative evaluation of traffic measurement for IP-based control system	
2B08	Network Systems	273	An Implementation of Field Overlay Architecture on Controllers	
2B08	Network Systems	504	A High-speed, Low-cost and Secure Implementation based on Embedded Ethernet and Internet for SCADA Systems	

Tentative Program

Session ID	Session title	PaperNumber	Title	
2B08	Network Systems	528	Security Design of Remote Maintenance System for Nuclear Power Plants, based on ISO/IEC 15408	ryosuke Watabe(Mitsubishi Electric Corp.),Tadashi Oi(Mitsubishi Electric Corp.),Yoshio Endo(Mitsubishi Electric Corp.)
2B09	OS: Recent Advances in Automotive Control	045	An Experimental Comparison of Nonholonomic Control Methods: Automatic Parking Benchmark	Kang-Zhi Liu(Chiba University),Masaki Horii(Chiba University)
2B09	OS: Recent Advances in Automotive Control	189	Power Assist Control for Slide Doors	Kensuke Osamura(Calsonic Kansei Corporation),Shinya Kobayashi(Calsonic Kansei Corporation),Mitsuo Hirata(Utsunomiya University),Hitoshi Okamoto(Utsunomiya University)
2B09	OS: Recent Advances in Automotive Control	279	Benchmark Problem for Automotive Engine Control	Akira OHATA(Toyota Motor Corporation),Junichi KAKO(Toyota Motor Corporation),Tielong SHEN(Sophia University),Kazuhisa ITO(Tottori)
2B09	OS: Recent Advances in Automotive Control	395	A Case Study of Cyclic Balancing Control for SI Engines	Li Po(Wuhan Univ. Sophia Univ.)
2B09	OS: Recent Advances in Automotive Control	526	Output Feedback Model Predictive Control for An Electromechanical Valve Actuator	Masakazu Mukai(Kyushu Univ.),Suguru Seikoba(Kyushu Univ.),Takehito Kawabe(Kyushu Univ.)
2B10	OS: Recent Progress in Temperature Measurement (2)	075	Range Ratio of Topcon Radiation Thermometers	Fumihiko Sakuma(AIST),Laina Ma(AIST)
2B10	OS: Recent Progress in Temperature Measurement (2)	209	Compound hybrid-type sensor for wide temperature range	Atsushi Gogami(Toyo Univ),ryo Shinagawa(Toyo Univ),Kensuke Hiraka(Chino),Tohru Iuchi(Toyo Univ)
2B10	OS: Recent Progress in Temperature Measurement (2)	277	Improvement of Size of Source Effect Measurement of Standard Radiation Thermometers	LAINA MA(AIST),Fumihiko Sakuma(AIST)
2B10	OS: Recent Progress in Temperature Measurement (2)	633	Temperature sensor application of fluorescence film	Hiroaki Aizawa(Toyo Univ.),Yumemi Kano(Toyo Univ.),Tooru Katsumata(Toyo Univ.),Shuji Komuro(Toyo Univ.)
2B11	Sensor and Transducer (1)	241	Improvement of GPS Positioning Accuracy by Ionospheric Delay Correction	Nao Akiyama(Keio University),Toshiyuki Tanaka(Keio University),Masashi Yonekawa(Keio University)
2B11	Sensor and Transducer (1)	254	GPS Orbit Determination using Several Reference	Masashi Nomura(Keio University),Tanaka Toshiyuki(Keio University),Masashi Yonekawa(Keio University)
2B11	Sensor and Transducer (1)	434	Fluorescence sensor using two-dimensional phosphor array	Toru Katsumata(Sensor Photonics Center, Toyo Univ.),Hiroshi Yamaguchi(Sensor Photonics Center, Toyo Univ.),Chieko Nakayama(Sensor Photonics Center, Toyo Univ.),Hiroaki Aizawa(Sensor Photonics Center, Toyo Univ.),Shuji Komuro(Sensor Photonics Center, Toyo Univ.)
2B11	Sensor and Transducer (1)	635	Fluorescence oxygen sensor using photo quenching with oxygen molecule	Hiroaki Aizawa(Toyo Univ.),Tooru Katsumata(Toyo Univ.),Shuji
2B11	Sensor and Transducer (1)	659	Computer based method for determining of response time and immersion depth of industrial thermometers	Zeljko Hocenski(Faculty of Electrical Engineering),Ljubivoj Cvitas(Siemens d.d. Zagreb)
2B12	Remote Sensing	095	Automatic Registration of Aerial Oblique Images and a Digital Map	Shokei Kawai(Shizuoka Univ.),Hitoshi Saji(Shizuoka Univ.)
2B12	Remote Sensing	176	Analysis of Road Blockage after Disaster Using Aerial Images	Kazuya Urabe(Shizuoka Univ.),Hitoshi Saji(Shizuoka Univ.)
2B12	Remote Sensing	184	Development of a spectral radiance calibration standard in the shortwave infrared (SWIR) range	Yasuji Yamamoto(Japan Aerospace Exploration Agency (JAXA)),Yasuhiro Nakajima(remote Sensing Technology Center of Japan (rESTEC))
2B12	Remote Sensing	256	A Proposition of Automatic Mixed Pixel Classification for Remotely Sensed Multispectral Image	Mitsuhiro Tomosada(ROIS ISM)
2B12	Remote Sensing	491	Subpixel Estimation of Land Cover in a Remotely Sensed Image Using Spectral Information of Surrounding Pixels	Wataru Murakami(Nagasaki Univ.),ryuichi Nakama(Nagasaki Univ.),Senya Kiyasu(Nagasaki Univ.),Sueharu Miyahara(Nagasaki Univ.)
2B14	OS: Sound and Vibration Measurement	082	Gradient analysis of Sound Pressure Field by Opt-acoustic Wave-Frontal Detection	Kenbu Teramoto(Saga University),Md Tauhidul Khan(Saga University),Akito Uekihara(Saga University)
2B14	OS: Sound and Vibration	083	Non-contact OFL measurement for Bone Conductive Transducers	Kenbu Teramoto(Saga University),Akito Uekihara(Saga University)
2B14	OS: Sound and Vibration	244	Shape Recognition for Transparent Objects Using Ultrasonic Sensor Array	Kozo Ohtani(Hiroshima Inst. of Tech.),Mitsuru Baba(Ibaraki Univ.)
2B14	OS: Sound and Vibration	271	Changes in Auditory Threshold of Hearing after Bhramari Pranayama	rajkishore Prasad(UFC),Koeike Takui(UFC),Matsuno Fumitoshi(UFC)
2B15	OS: SICE City	084	Development of a search robot - Sensor fusion of RFID and CCD camera -	Shin-ichiro Kumagai(Tokyo Metropolitan Univ),Yasuchika Mori(Tokyo Metropolitan Univ)
2B15	OS: SICE City	111	Pattern Recognition for Video Surveillance and Physical Security	Hiroshi Kage(Mitsubishi Electric Corp.),Makito Seki(Mitsubishi Electric Corp.),Kazuhiko Sumi(Mitsubishi Electric Corp.),Ken-ichi Tanaka(Mitsubishi Electric Corp.),Kazuo Kyuma(Mitsubishi Electric Corp.)
2B15	OS: SICE City	400	SICE City: Some Discussions Based on Systems Approach's Perspective	Hisashi Tamaki(Kobe University)
2B15	OS: SICE City	460	Learning Algorithms for Compression and Evaluation of Information from Large Data Sets	Gancho Vachkov(Kagawa University),Hidenori Ishihara(Kagawa University)
2B15	OS: SICE City	496	Perceptual System of Networked Partner Robots	Hiroyuki Masuta(Tokyo Metropolitan University),Naoyuki Kubota(Tokyo Metropolitan University)

Tentative Program

Session ID	Session title	PaperNumber	Title	
2B16	OS: Sensing, Control and Safety Systems for Smart Vehicle Automation (2)	128	People Tracking with In-vehicle Multi-Laser Range Sensors	Masafumi Hashimoto(Doshisha Univ.), Yosuke Matsui(Doshisha Univ.), Kazuhiko Takahashi(Doshisha Univ.)
2B16	OS: Sensing, Control and Safety Systems for Smart Vehicle Automation (2)	129	A Model-Based Fault Diagnosis of Sensor and Actuator of Powered Wheelchair	Fumihito Itaba(Doshisha Univ.), Masafumi Hashimoto(Doshisha Univ.), Kazuhiko Takahashi(Doshisha Univ.)
2B16	OS: Sensing, Control and Safety Systems for Smart Vehicle Automation (2)	216	Position/Force Control of Grinding Robot by Using Real-time Presumption of Constrained Condition	XU Weiwei(Graduate school of Engineering, University of Fukui, Fukui, Japan), Minami Mamoru(Faculty of Engineering, University of Fukui, Fukui, Japan), Mae Yasushi(Faculty of Engineering, University of Fukui, Fukui, Japan)
2B16	OS: Sensing, Control and Safety Systems for Smart Vehicle Automation (2)	262	Research on Rescue Robots with Force Sensors on the Fingertips for Rubble Withdrawal Works	Masatoshi Hatano(Nihon Univ.)
2B17	Human Interface (3)	015	Determination of Target Position of Meal Assistance Orthosis Using EOG Signal and Dish Image	Satoru GOTO(Saga University), Akinori YAMADA(Saga University), Wataru HASHIMOTO(Saga University), Takenao SUGI(Saga University), Masatoshi NAKAMURA(Saga University)
2B17	Human Interface (3)	311	Realization of High-reliability Non-contact Eye Input Device for Remote Nursing Support System	Akihiko Hata(Toyama Prefectural Univ.), Hironobu Takano(Toyama Prefectural Univ.), Kiyomi Nakamura(Toyama Prefectural Univ.)
2B17	Human Interface (3)	557	Transmission of Stroking Sensation on a Skin by Higher-psychological Perception	Yohsuke Mizukami(Kagawa Univ.), Keiji Uchida(SCA), Hideyuki Sawada(Kagawa Univ.)
2B17	Human Interface (3)	592	Development of Head-Mounted Eye Tracking System achieving Environmental Recognition Ability	Tetsuro Sugita(Tokyo Denki University), Satoshi Suzuki(Tokyo Denki University), Julian Kolodko(Company Name Undisclosed), Hiroshi Ehsan Asadi(Malek-Ashtar Univ. of Tech.), Mehdi Jazini(Yazd Univ.), Mohammad Bozorg(Yazd Univ.)
3A01	Systems Theory and Intelligent Systems	147	Fault Detection in a Decentralized Navigation Architecture Using Parity Space Method	Eiji Konaka(Meijo Univ.)
3A01	Systems Theory and Intelligent Systems	242	Stability of networked control system with dynamic quantizer and event-driven zero-order hold	Eiji Konaka(Meijo Univ.)
3A01	Systems Theory and Intelligent Systems	307	Sweet Spot control Method of Directional Antenna Beam	Kyo-Hwan Hyun(Dongguk Univ.), Seong-Boo Jeong(Seo-il College), Ki-Hwn Eom(Dongguk Univ.)
3A01	Systems Theory and Intelligent Systems	368	A Consideration of Nonlinear System Modeling using the Projection Method	Hiroshi Ohsaki(Tokyo Denki University), Masami Iwase(Tokyo Denki University), Shoshiro Hatakeyama(Tokyo Denki University)
3A01	Systems Theory and Intelligent Systems	372	Stabilization of a Networked Control System under Bounded Disturbances with Unreliable Communication Links via Common Lyapunov Function Approach	Akihiro Ohori(NAIST), Kiminao Kogiso(NAIST), Kenji Sugimoto(NAIST)
3A02	Biological and Physiological Engineering (1)	080	Electrical Impedance Tomography Using Tetrapolar Method With Eddy Current	AHSAN-UL AMBIA(Shizuoka Univ.), Shogo Toda(Shizuoka Univ.), Tadashi Takemae(Shizuoka Univ.), Yukio Kosugi(Tokyo Ins. of Tech.), Minoru Hongo(Shinshu Univ.)
3A02	Biological and Physiological Engineering (1)	130	Region Growing Method Using Edge Sharpness for Brain Ventricle Detection	Chulho Won(Kyungil University), Dong Hun Kim(Kyungpook National University)
3A02	Biological and Physiological Engineering (1)	204	Parallel Factor Analysis can decompose human EEG during a finger movement task	Hiroaki Mizuhara(Kyoto Univ.), Etsuji Yonehara(Okayama Univ.), Akio Gofuku(Okayama Univ.)
3A02	Biological and Physiological Engineering (1)	546	Pattern Recognition of EEG Signals During Motor Imagery -based on Directed Information Analysis-	Miyo Taniguchi(Kyushu Institute of Technology)
3A02	Biological and Physiological Engineering (1)	547	Time Frequency Analysis of Biological Signals during Sleep	Takasi Tohara(Kyushu Institute of Technology)
3A02	Biological and Physiological Engineering (1)	573	Time-Frequency Analysis of Human Sleep EEG and Its Application to Feature Extraction about Biological Rhythm	Makoto Maeda(Kyushu Institute of Technology), Akihiko Takajyo(Kyushu Institute of Technology), Katsuhiro Inoue(Kyushu Institute of Technology), Shigeaki Kousuke Kumamaru(Kyushu Institute of Technology), Shigeaki Matsuoaka(University of Occupational and Environmental Health)
3A03	OS: Computational Intelligence in Neural Networks (1)	308	On Hierarchical Self-Organizing Networks Visualizing Data Classification Processes	Hiroyuki TANIICHI(Univ. of Hyogo), Naotake KAMIURA(Univ. of Hyogo), Teijiro ISOKAWA(Univ. of Hyogo), Nobuyuki MATSUI(Univ. of Hyogo), Seiichi Ozawa(Kobe University), Michiro Hirai(Kobe University), Shigeo Abe(Kobe University)
3A03	OS: Computational Intelligence in Neural Networks (1)	345	An online face recognition system with incremental learning ability	Yoshihiro Mori(Kyoto Institute of Technology), Takashi Kadowaki(Kyoto Institute of Technology), Yasuaki Kuroe(Kyoto Institute of Technology), Takehiro Mori(Kyoto Institute of Technology)
3A03	OS: Computational Intelligence in Neural Networks (1)	393	A synthesis method of gene networks based on gene expression by network learning-realization of separatrix	Yoshihiro Mori(Kyoto Institute of Technology), Takashi Kadowaki(Kyoto Institute of Technology), Yasuaki Kuroe(Kyoto Institute of Technology), Takehiro Mori(Kyoto Institute of Technology)

Tentative Program

Session ID	Session title	PaperNumber	Title	
3A03	OS: Computational Intelligence in Neural Networks (1)	478	Computer Aided Diagnosis for Pulmonary Nodules by Shape Feature Extraction	Kazunori Takei(TIS Inc.),Noriyasu Homma(Tohoku Univ.),Tadashi Ishibashi(Tohoku Univ.),Masao Sakai(Tohoku Univ.),Makoto
3A04	OS: Robust Robot Vision	092	Integration of Multiple Methods for Robust Object Recognition	Al Mansur(Saitama University),Yoshinori Kuno(Saitama University)
3A04	OS: Robust Robot Vision	437	Color edge detection using the Skellam distribution as a sensor noise model	Youngebae Hwang(KAIST),In-So Kweon(KAIST),Jun-Sik Kim(CMU)
3A04	OS: Robust Robot Vision	545	A robust face tracking using stereo camera	Yoon-Hyung Lee(KIST),Mun-Ho Jeong(KIST),Joong-Jae Lee(KIST),Min-Seok Jie(KIST)
3A04	OS: Robust Robot Vision	575	Human sensing using the mutual subspace method with multi-view image	Kazuhiro Fukui(University of Tsukuba),Xi Li(University of Tsukuba)
3A04	OS: Robust Robot Vision	598	Environmental Mapping for Mobile Robot by Tracking SIFT Feature Points Using Trinocular Vision	Yoko Ogawa(ritsumeikan Univ.),Nobutaka Shimada(ritsumeikan Univ.),Yoshiaki Shirai(ritsumeikan Univ.)
3A04	OS: Robust Robot Vision	622	Structural Analysis of Multiple Building for Mobile Robot Intelligence	Hoang-Hon Trinh(University of Ulsan),Dae-Nyeon Kim(University of Ulsan),Kang-Hyun Jo(University of Ulsan)
3A05	Image Processing (1)	420	Optical Flow Estimator with Multichannel Integration	Teruo YAMAGUCHI(Kumamoto University),Naofumi HARADA(Hitachi Ltd.)
3A05	Image Processing (1)	502	Real Time Detection of Moving Human Based on Digital Image Processing	Yong Sam Kim(Chungbuk National Univ.),Jin Il Park(Chungbuk National Univ.),Dae Jong Lee(CBNU BK21 Chungbuk Information Technology Center),Myung Geun Chun(Chungbuk National Univ.)
3A05	Image Processing (1)	572	Simultaneous Estimation of Optical Flow and Motion Parameters	Tomoya Kawakami(Kumamoto University),Teruo Yamaguchi(Kumamoto University),Hiroshi Harada(Kumamoto University)
3A05	Image Processing (1)	654	A Study of Omni-directional Image Based Environment Recognition for Mobile Robots	Makoto Sugiyra(Hosei Univ.),Hidenobu Sakazaki(Hosei Univ.),Manabu Shimizu(Hosei Univ.),Kazuyuki Kobayashi(Hosei Univ.),Kajiro Watanabe(Hosei Univ.)
3A05	Image Processing (1)	660	Three Dimensional Measurement Using Fisheye Stereo Vision	Takeshi Nishimoto(Kagawa Univ.),Jun'ichi Yamaguchi(Kagawa Univ.)
3A05	Image Processing (1)	661	Human Tracking Using Fisheye Images	Yohei Kubo(Kagawa Univ.),Jun'ichi Yamaguchi(Kagawa Univ.)
3A06	Emergent Technologies	274	A Novel Control Using a Pseudo-Neuron Network Implemented by Nonlinear Electro-optic Effect Devices	Asahara Toru(Okayama Univ.),Suzuki Hajime(Okayama Univ.),Nara Shigetoshi(Okayama Univ.)
3A06	Emergent Technologies	281	Self-Reproduction Model for Communication-Restricted Cellular Automata	Koutarou Tachibana(Univ. of Osaka Electro-Communication),ryoh Takebayashi(Univ. of Osaka Electro-Communication),Hiroshi Umeo(Univ. of Osaka Electro-Communication)
3A06	Emergent Technologies	337	Open Control Platform Implementation for Autonomous Underwater Vehicle	Nanang Syahroni(Pusan National University),Young Bong Seo(Pusan National University),Jae Weon Choi(Pusan National University)
3A06	Emergent Technologies	533	De-noising Method by Combining RI-Wavelet and Adaptive Line Enhancer	zhong zhang(Toyohashi University of Technology)
3A07	Signal Processing (3)	096	Robust Facial Element Extraction under Lighting Variation	Hidekazu Tsuboi(Shizuoka Univ.),Hitoshi Saji(Shizuoka Univ.)
3A07	Signal Processing (3)	102	N-best Vector Quantization for Isolated Word Speech Recognition	Masaya Nose(Natural Science and Technology, Okayama University),Shuichi Maki(Natural Science and Technology, Okayama University),Nobumoto Yamane(Natural Science and Technology, Okayama University),Yoshitaka Morikawa(Natural Science and Technology, Okayama University)
3A07	Signal Processing (3)	270	Development of Intuitive Visual Navigation Interface for Electric Wheelchair	Masaru Onishi(Hosei Univ.),Satoshi Shibata(Hosei Univ.),Yoshitaka Goto(Hosei Univ.),Kazuyuki Kobayashi(Hosei Univ.),Kajiro Watanabe(Hosei Univ.)
3A07	Signal Processing (3)	387	Humgenic Changes in Large Scale Temporal Correlation of EEG in BP	rajkishore Prasad(UEC),Matsuno Fumitoshi(UEC)
3A07	Signal Processing (3)	500	Non-wetted thermal micro flow sensor	Minako Terao(Yokogawa Electric Corporation),Tomomi Akutsu(Yokogawa Electric Corporation),Yoshiaki Tanaka(Yokogawa Electric Corporation)
3A07	Signal Processing (3)	579	How to Hum Like a Bumble Bee ?	rajkishore Prasad(UEC),Matsuno Fumitoshi(UEC)
3A08	OS: System Integration and Control Design for Autonomous Mobile	611	Analysis of Camera Images Influenced by Light Variation	Kuo-Yang Tu(NKFUST),Chien-Hua Chen(NKFUST)
3A08	OS: System Integration and Control Design for Autonomous Mobile Robots	613	Implementation of Autonomous vehicles with the Hough Transform and Fuzzy Control	Pau-Lo Hsu(National Chiao-Tung University),Yu-Kuen Tsai(National Chiao-Tung University),Lin-Yi Jian(National Chiao-Tung University),Bor-Chyun Wang(China University of Technology)
3A08	OS: System Integration and Control Design for Autonomous Mobile Robots	614	Automatic Mapping for an Indoor Mobile Robot Assistant Using RFID and Laser Scanner	Hung-Hsing Lin(Department of Electrical Engineering, Hsiuping Institute of),Ching-Chih Tsai(Department of Electrical Engineering, National Chung Hsing),Ssu-Min Hu(Department of Electrical Engineering, National Chung Hsing),Hsu-Yang Chang(Precision Machinery research & Development Center)
3A08	OS: System Integration and Control Design for Autonomous Mobile	615	Develop an Intelligent Power Detection and Diagnosis System for Mobile Robot	Lan Su(National Yunlin Univer),L Chein(Wu-Feng Institute of T)
3A08	OS: System Integration and Control Design for Autonomous Mobile	616	Stair-Climbing Control of Humanoid Robot using Force and Accelerometer Sensors	Tzau-Hseng S. Li(NCKU),Yu-Te Su(NCKU),Cheng-Hsiang Kuo(NCKU),Chi-Yang Chen(NCKU),Chia-Ling Hsu(NCKU)

Tentative Program

Session ID	Session title	PaperNumber	Title	
3A08	OS: System Integration and Control Design for Autonomous Mobile Robots	617	Design and Implementation of an Interactive Nurse Robot	Ming-Yuan Shieh(Southern Taiwan Univ.),Chen-Yang Chuang(Southern Taiwan Univ.),Cheng-Ming Lu(Southern Taiwan Univ.),Chin-Chien Chen(Southern Taiwan Univ.),Yu-Sheng Lai(Industrial Technology research
3A09	OS: Tactile Sensing	123	Gravity-Based 3D Shape Measuring Sheet	Takayuki Hoshi(Univ. Tokyo),Hiroyuki Shinoda(Univ. Tokyo)
3A09	OS: Tactile Sensing	327	Finger Ring Device for Tactile Sensing and Human Machine Interface	Takayuki Iwamoto(Univ. of Tokyo),Hiroyuki Shinoda(Univ. of Tokyo)
3A09	OS: Tactile Sensing	582	Tactile Sensing Cube Measuring Stress Tensor	Shohei Kiyota(The University of Tokyo),Hiroyuki Shinoda(The University of
3A09	OS: Tactile Sensing	583	Measuring Finger Peripheral Signal Based on Electrical Synchronization	Takuya Hasegawa(Tokyo Univ.),Takayuki Iwamoto(Tokyo Univ.),Hiroyuki Shinoda(Tokyo Univ.)
3A09	OS: Tactile Sensing	593	Myoelectric Pattern Measurement Based on Two-Dimensional Communication Technology	Yasutoshi Makino(The Univ. of Tokyo),Hiroyuki Shinoda(The Univ. of Tokyo)
3A10	OS: Adaptive Locomotion Control under Unstructured Environments	105	Adaptive Amoeboid Locomotion That Exploits Law of Conservation of Protoplasmic Mass	Takuya Umedachi(Tohoku University),Akio Ishiguro(Tohoku University)
3A10	OS: Adaptive Locomotion Control under Unstructured Environments	228	Improvement of Learning Efficiency by Exploiting Multiarticular Muscles	Wataru Watanabe(Nagoya Univ.),Akio Ishiguro(Tohoku Univ.)
3A10	OS: Adaptive Locomotion Control under Unstructured Environments	296	CPG-based Adaptable Control of a Snake-like Robot	Kousuke Inoue(Ibaraki University),Takaaki Sumi(BANDAI-NAMCO GAMES Inc.),Norikazu Sato(Ibaraki University),Shugen Ma(ritsumeikan University)
3A10	OS: Adaptive Locomotion Control under Unstructured Environments	300	Oscillator-controlled Bipedal Walker with Pneumatic Actuators	Katsuyoshi Tsujita(Osaka Institute of Technology),Takashi Inoura(Osaka Institute of Technology),Tatsuya Masuda(Osaka Institute of Technology)
3A10	OS: Adaptive Locomotion Control under Unstructured Environments	588	Efficient Bipedal Walking Using Delayed Stepping Reflex	Yuji Otda(Univ. of Electro Communications),Hiroshi Kimura(Univ. of Electro Communications),Kunikatsu Takase(Univ. of Electro Communications)
3A10	OS: Adaptive Locomotion Control under Unstructured Environments	604	Adaptive locomotor control in bipedal walking monkey	Futoshi Mori(Yamaguchi Univ.),Katsumi Nakajima(Kinki Univ.)
3A11	Mechanical Systems Control (3)	141	Multirate Servoing for Disturbances which do Not Satisfy a Matching Condition	Akira Shimada(Polytechnic University),Tsuyoshi Takeda(Polytechnic University),Masanori Fujita(Yokohama National University)
3A11	Mechanical Systems Control (3)	237	Running Control of Biped Robot	Miyagawa Itaru(Hosei Univ.),Watanabe Kairo(Hosei Univ.)
3A11	Mechanical Systems Control (3)	369	An Intelligent Control for State-Dependent Nonlinear Actuator and Its Application to Pneumatic Servo	Mikio Yamazaki(Tsukuba Univ.),Seiji Yasunobu(Tsukuba Univ.)
3A11	Mechanical Systems Control (3)	375	A new velocity measurement method using linear type Hall-effect sensor for an electro-mechanical fin	Jeong-Hoi Gu(ADD),Chi-Young Song(ADD),Sang-Yeal Lee(ADD)
3A11	Mechanical Systems Control (3)	427	Feed Forward Adaptive Control of a Linear Brushless DC Motor	S. Javad Imen(Mater Student, Mazandaran university of technology, Iran),Mohsen Shakeri(Associate Prof., Mazandaran university of technology,
3A11	Mechanical Systems Control (3)	566	Generalized minimum variance control of slider-crank mechanism	Masaru Saitoh(Tokyo Denki Univ.),Katsuhisa Furuta(Tokyo Denki Univ.)
3A12	Multivariable Control	011	Constrained Stabilizing Regulator with Tuning Parameters	Yasumasa Fujisaki(Kobe University)
3A12	Multivariable Control	032	Parametrization of All Strictly Proper Stabilizing Controllers	Kazuyoshi Mori(U. AIZU)
3A12	Multivariable Control	087	Relationship between Sensing Properties and Achievable Control Performances in Feedback Control	Tetsuya Arita(The University of Tokyo),Shinji Hara(The University of Tokyo)
3A12	Multivariable Control	106	Stability Analysis of Interacting Systems in Air-Conditioning System	Yuji Yamakawa(The Univ. of Tokyo),Takanori Yamazaki(Oyama National College of Technology),Kazuyuki Kamimura(Yamatake Co., Ltd.),Shigeru Kurosu(research Inst. Crotech)
3A12	Multivariable Control	314	Reduced order model predictive control - an approach based on system decomposition -	Naoyuki Hara(Tokyo Metropolitan Univ.),Akira Kojima(Tokyo Metropolitan
3A14	OS: Navigation, Guidance, and Control in Aerospace Systems (1)	127	Autonomous Flight Control System for Longitudinal Motion of a Helicopter	Atsushi Fujimori(Univ. of Yamanashi),Kyohei Miura(Shizuoka Univ.)
3A14	OS: Navigation, Guidance, and Control in Aerospace Systems (1)	152	On-Orbit Experiment Plan of Robust Attitude Control of ETS-VIII	Takashi Ohtani(JAXA),Yoshiro Hamada(JAXA),Tomoyuki Nagashio(UEC),Takashi Kida(UEC),Shinji Mitani(JAXA),Isao Yamaguchi(JAXA),Tokio Kasai(JAXA),Hiroataka Igawa(JAXA)
3A14	OS: Navigation, Guidance, and Control in Aerospace Systems (1)	187	Impact Angle Control Guidance Law Using Lyapunov Function and PSO method	Daekyu Sang(KAIST),Byoung-Mun Min(KAIST),Min-Jea Tahk(KAIST)
3A14	OS: Navigation, Guidance, and Control in Aerospace Systems (1)	258	Automatic Following for UAVs Using Dynamic Inversion	Keisuke Enomoto(National Defense Academy of Japan),Takeshi Yamasaki(National Defense Academy of Japan),Hiroyuki Takano(National Defense Academy of Japan),Yoriaki Baba(National Defense Academy of
3A14	OS: Navigation, Guidance, and Control in Aerospace Systems (1)	429	Robust Attitude Control via Quaternion Feedback Linearization	Sang-Jae Kim(ADD),Chang-Kyung ryoo(Inha Univ.),Keeyoung Choi(Inha Univ.)
3A14	OS: Navigation, Guidance, and Control in Aerospace Systems (1)	562	A Study of the navigation for Formation flying of spacecraft	Tsutomu Ichikawa(Japan Aerospace Exploration Agency)
3A15	OS: Advanced Systems for Safety of Industry	068	User modeling in the case of artifact operation based on Channel Theory	Hisashi Handa(Okayama Univ.)

Tentative Program

Session ID	Session title	PaperNumber	Title	
3A15	OS: Advanced Systems for Safety of Industry	079	Operator based Robust Control for Nonlinear Systems with Hysteresis	Changan Jiang(Okayama Univ.),Mingcong Deng(Okayama Univ.),Akira Inoue(Okayama Univ.)
3A15	OS: Advanced Systems for Safety of Industry	101	Regulation of Productions in Plural Furnaces for Ore Supply Changes	Yingda Dai(Okayama Univ.),Junichi Kikuchi(Okayama Univ.),Masami Konishi(Okayama Univ.),Jun Imai(Okayama Univ.)
3A15	OS: Advanced Systems for Safety of Industry	103	Development of a microreactor for rapid analysis of chemical reaction kinetics.	Masa-aki Ebata(Okayama University),Akinori Muto(Okayama University),Akira Inoue(Okayama University)
3A15	OS: Advanced Systems for Safety of Industry	442	Agent-Based Operator Support System Configuration for Maintaining Necessary Functions of Plants	Akio Gofuku(Okayama Univ.),Tadashi Ago(Okayama Univ.),Takahiro Sato(Okayama Univ.)
3A15	OS: Advanced Systems for Safety of Industry	625	Neurofuzzy-Based Learning Algorithm for Fault Detection & Simulation	Hossam A. Gabbar(Okayama Universty)
3A16	Human Interface (4)	006	Simulation of Pneumatic Hand Crane Type Power Assist System	Tatsuya Doi(Gifu University),Hironao Yamada(Gifu University),Toshihisa Ikemoto(Aikoku Alpha Corporation),Hiroshi Naratani(Aikoku Alpha
3A16	Human Interface (4)	292	A New Measurement Methodology of Multi-Finger Tracking for Handheld Device Control Using Mixed Reality	Jung-Woo Hyun(Tokyo Institute of Technology),Itsuo Kumazawa(Tokyo Institute of Technology),Makoto Sato(Tokyo Institute of Technology)
3A16	Human Interface (4)	313	Haptic Recognition and Mapping of Driving Road Environment by Haptograph	Yuki Yokokura(Nagaoka University of Technology),Seiichiro Katsura(Nagaoka University of Technology),Kiyoshi Ohishi(Nagaoka University of Technology)
3A16	Human Interface (4)	338	Sensorless Interaction Force Control Based on Modal Space Design for Twin-Driven System	Chowarit Mitsantisuk(Nagaoka University of Technology),Seiichiro Katsura(Nagaoka University of Technology),Kiyoshi Ohishi(Nagaoka
3A16	Human Interface (4)	452	Haptic Broadcasting of Grasping Operation by Multilateral Control	Seiichiro Katsura(Nagaoka Univ. of Tech.),Kiyoshi Ohishi(Nagaoka Univ. of Tomoyuki Murakami(The university of electro-communications),Songmin
3A16	Human Interface (4)	543	Interactive Robot Supporting System for Object Acquisition	Jia(The university of electro-communications),Kunikatsu Takase(The university of electro-communications)
3A17	Robot Control (4)	012	Sensibility Control of Redundant Robots: Numerical Analysis and Experimental Results	Daniela Vassileva(Gifu Univ.),Shingo Tajima(Gifu Univ.),George Boiadjeiev(Bulgarian Acad. of Science),Haruhisa Kawasaki(Gifu Univ.),Tetsuya
3A17	Robot Control (4)	179	Automatic Optical Axis Alignment System for Free-space Optics Transmission through Windowpanes	Takeshi Tsujimura(NTT),Koichi Yoshida(NTT),Toshio Kurashima(NTT),Koichi Yoshida(NTT),Takeshi Tsujimura(NTT),Kazuyuki Shiraki(NTT),Izumi
3A17	Robot Control (4)	202	A Free Space Optics System for Seamless Transmission Between Single-mode Optical Fibers	Sankawa(NEL)
3A17	Robot Control (4)	540	Balloon Burster: A CORBA-Based Visual Servoing for Humanoid Robot in a Distributed Environment	Joongjae Lee(KIST),Minseok Jie(KIST),Seungsu Kim(KIST),Munho Jung(KIST),Changhwan Kim (KIST)
3A17	Robot Control (4)	656	Cooperation between a 4 DOF robotic hand and a human for carrying an object together	Ashish Dutta(Indian Institute of Technology Kanpur),Pankaj Aggarwal(IIT Kanpur),Bishakh Bhattacharya(IIT Kanpur)
3B03	OS: Computational Intelligence in Neural Networks (2)	233	A Solution to the SLAM Problem Based on Fuzzy Kalman Filter using Pseudolinear Measurement Model	Chandima Dedduwa Pathirana(Saga Univ.),Keigo Watanabe(Saga Univ.),Kiyotaka Izumi(Saga Univ.)
3B03	OS: Computational Intelligence in Neural Networks (2)	340	Energy Region Design Using Projection for Three-Link Underactuated Manipulators	Keisuke Ichida(Saga Univ.),Kiyotaka Izumi(Saga Univ.),Keigo Watanabe(Saga Univ.)
3B03	OS: Computational Intelligence in Neural Networks (2)	367	Fish Catching by Visual Servoing using Neural Network Prediction	Toshiaki Yoshida(Fukui Univ.),Mamoru Minami(Fukui Univ.),Yasushi Mae(Osaka Univ.)
3B03	OS: Computational Intelligence in Neural Networks (2)	402	Nonlinear System Identification by SOM with GP Based Local Modeling	Nozomi Hashimoto(Osaka Univ.),Toshiharu Hatanaka(Osaka Univ.),Katsuji Uosaki(Fukui Univ. of Tech.),Akira Kitamura(Tottosi Univ.)
3B04	OS: Driver Intent Inference	024	Modeling and Analysis of Driver's Decision Making based on Logistic Regression Model	Shun Taguchi(Nagoya Univ.),Shinkichi Inagaki(Nagoya Univ.),Tatsuya Suzuki(Nagoya Univ.),Soichiro Hayakawa(Toyota T.I.),Nuiro Tsuchida(Toyota Takahiro Wada(Kagawa Univ.),Shun'ichi Doi(Kagawa Univ.),Keisuke
3B04	OS: Driver Intent Inference	057	On Driver's Behavior in Car Following	Imai(Kagawa Univ.),Naohiko Tsuru(DENSO CORPOrATION),Kazuyoshi Isaji(DENSO CORPOrATION),Hiroshi Kaneko(PARIS MIKI Inc.)
3B04	OS: Driver Intent Inference	098	Driver Intent Interface and Dynamic Displays for Active Safety:An Overview of Selected Recent	Mohan Trivedi(University of California at San Diego)
3B04	OS: Driver Intent Inference	099	Inference of large truck drivers intent to change lanes for passing a lead vehicle	Makoto Itoh(Univ. Tsukuba),Kenji Yoshimura (NMI),Toshiyuki Inagaki(Univ. Tsukuba)
3B05	Temperature Measurement	282	Temperature Distribution and Wind Velocity Vector Measurement using Ultrasonic CT Technique	Jun-ya Takayama(Tokyo Tech),Yuki Watanabe(Tokyo Tech),Tetsuya Takahoshi(Tokyo Tech),Kazuo Ohshima(NTT Facilities Inc.),Shinji Ohyama(Tokyo Tech)
3B05	Temperature Measurement	433	Fluorescence thermo-sensor using silicone composite with Cr doped spinel	Toru Katsumata(Toyo Univ.),Junko Someya(Toyo Univ.),Chika Nojiri(Toyo Univ.),Yumemi Kano(Toyo Univ.),Hiroaki Aizawa(Toyo Univ.)

Tentative Program

Session ID	Session title	PaperNumber	Title	
3B05	Temperature Measurement	435	Thermo-sensor using silicone composite with Cr doped garnet	Toru Katsumata(Toyo Univ.),Miki Kaneda(Toyo Univ.),Kaoru Orihara(Toyo Univ.),Yumemi Kano(Toyo Univ.),Hiroaki Aizawa(Toyo Univ.)
3B05	Temperature Measurement	436	Fluorescence thermo-sensor using mixture of various phosphors	Toru Katsumata(Sensor Photonics Center, Toyo Univ.),Susumu Harako(Sensor Photonics Center, Toyo Univ.),Chieko Nakayama(Sensor Photonics Center, Toyo Univ.),Hiroaki Aizawa(Sensor Photonics Center, Toyo Univ.),Shuji Komuro(Sensor Photonics Center, Toyo Univ.)
3B05	Temperature Measurement	544	Thermal Impedance Modeling of a Temperature Dependent Resistance	Heidi Dumele(University of Bundeswehr Munich),Uwe Troeltzsch(University of Bundeswehr Munich),Michael Horn(University of Bundeswehr Munich)
3B06	Automation & Estimation	026	Design and Implementation of a CDMA-Based Remote Monitoring and Controlling System	Li Cai(Chinese Academy of Sciences),Zengguang Hou(Chinese Academy of Sciences),Min Tan(Chinese Academy of Sciences)
3B06	Automation & Estimation	161	Equivalent thermal model for main transformer in hot strip mill and optimization of load	Jin-wook Seok(POSTHEC Univ.),Sang-wook Shim(Kwangyang steel works, POSCO),Sang-chul Won(POSTHEC Univ.)
3B06	Automation & Estimation	180	Development of bending gap measurement and position control technique for unmanned slab crane	Yoojong Yu(POSTECH),Youngsoo Kim(POSCO),Sehoon Kim(POSTECH),Daehyun Ji(POSTECH),Dowan Kim(POSTECH),Jooman Kim(POSCO),Sangchul Won(POSTECH)
3B06	Automation & Estimation	226	Quality improvement of steel products by using multivariate data analysis	Yoshiaki Nakagawa(Sumitomo Metals Kokura),Manabu Kano(Kyoto Univ.),Shigemasa Nakagawa(Sumitomo Metal Industries),Takashi Naoki Kishi(Yokogawa Electric Corporation),Hitoshi Hara(Yokogawa Electric Corporation)
3B06	Automation & Estimation	360	Lifetime Evaluation of Self-Modulated MEMS Infrared Light Source made of Single Crystalline Silicon	Naoki Kishi(Yokogawa Electric Corporation),Hitoshi Hara(Yokogawa Electric Corporation)
3B07	Sensor and Transducer (2)	043	Novel type Brillouin optical time-domain reflectometry for measuring distributed strain and temper	Yahei Koyamada(Ibaraki Univ.),Yoshiyuki Sakairi(Ibaraki Univ.),Nobuaki Takeuchi(Yokogawa Electric Corp.),Shoji Adachi(Yokogawa Electric Corp.)
3B07	Sensor and Transducer (2)	381	A Design of Real-TimeWireless Sensor-based Control System	Kohei Yoshida(Tokyo Denki University),Yuuki Kanemura(Tokyo Denki University),Masami Iwase(Tokyo Denki University),Shoshiro Hatakeyama(Tokyo Denki University)
3B07	Sensor and Transducer (2)	513	Design of Micro Flow Sensor with Optimal Detection Spacing	Tae Yong Kim(Dongseo University),Wan-Young Chung(Dongseo University),Yoshiyuki Nakamura(National Institute of AIST),ryosuke Kobayashi(Shibaura Institute of Technology),Masateru Minami(Shibaura Institute of Technology),Takuichi Nishimura(National Institute of AIST)
3B07	Sensor and Transducer (2)	587	A 3D Inspection System for PCB board by Fusing Moiré Technique and Stereo Vision Algorithm	Deokhwa Hong(KAIST),Hyunki Lee(KAIST),Minyoung Kim(KohYoung Technology),Hyungsuck Cho(KAIST)
3B08	OS: Safety and Cyber Security for Industrial Automation (1)	107	The substance of IEC 61511 for process industries and the preparation of its original draft for JIS	Akio Fukada(JEMIMA / Toshiba Corp.),Tadaaki Ando(JEMIMA / Yokogawa Electric Corp.),Yoichi Takavanagi(SICE / Toshiba Corp.)
3B08	OS: Safety and Cyber Security for Industrial Automation (1)	288	Implementation of a Safety Instrumented System	ryotaro Shishiba(Yokogawa Electric Corp.)
3B08	OS: Safety and Cyber Security for Industrial Automation (1)	301	Throwing a Bridge between Risk Assessment and Functional Safety	Yoshinobu Sato(T.U.M.S.T.)
3B08	OS: Safety and Cyber Security for Industrial Automation (1)	426	Evaluation of Operative Reliability of Safety-Related Part of Control System of Machine and Safety Level	Takabumi Fukuda(nagaoka Univ. of Tech.),Makoto Hirayama(Tatsuno Corp.),Naova Kasai(Yokohama Nat'l Univ.),Kazuyoshi Sekine(Yokohama Nat'l Hiroo Kanamaru(Mitsubishi Electric Co.),Tsuayoshi Mogi(Mitsubishi Electric Co.),Naoki Aoyama(Mitsubishi Electric Co.)
3B08	OS: Safety and Cyber Security for Industrial Automation (1)	525	Functional Safety Application Using Safety PLC	
3B09	OS: Intelligent Sensor System and Its Application	035	Avoidance Navigation for Mobile Robots by Using Dynamic Trajectory	Daisuke Nagahara(Kagawa Univ.),Satoru Takahashi(Kagawa Univ.)
3B09	OS: Intelligent Sensor System and Its Application	047	A study of optimal angle of color vector for optical flow extraction	Masaaki Shibata(Seikei Univ.),Tomoki Yanagisawa(Seikei Univ.)
3B09	OS: Intelligent Sensor System and Its Application	100	An Application to Passivity Based Force Control in Redundant Manipulator	Tsuayoshi Shibata(Keio Univ.),Toshiyuki Murakami(Keio Univ.)
3B09	OS: Intelligent Sensor System and Its Application	285	Image Feature based Navigation of Nonholonomic Mobile Robots with Active Camera	Tatsuhiko Hirukawa(Mie Univ.),Satoshi Komada(Mie Univ.),Junji Hirai(Mie Univ.)
3B09	OS: Intelligent Sensor System and Its Application	363	Vision-based Force Following Control for Mobile Robots	Hiroyuki Shimizu(Chitose Institute of Science and Technology),Naoki Oda(Chitose Institute of Science and Technology)
3B10	Modeling, System Identification and Estimation (2)	005	Error Analysis of Continuous-time System Identification using Laguerre Basis	Tomohiro Chimbe(Toyota Motor Corporation),Yoshito Ohta(Kyoto University)

Tentative Program

Session ID	Session title	PaperNumber	Title	
3B10	Modeling, System Identification and Estimation (2)	346	Design of Compensation Input Based on LQ Decomposition in N4SID Method	Masuhiro Nitta(Tokyo Univ. of Science)
3B10	Modeling, System Identification and Estimation (2)	361	Modeling of Local Search for Track Updates in Phased Array Radar Tracking	Won-Yong Choi(Kyungpook National Univ.),Sun-Mog Hong(Kyungpook National Univ.),Seung-Min Song(Kyungpook National Univ.)
3B10	Modeling, System Identification and Estimation (2)	380	Novel object tracking method using the block-based motion estimation	Heon Soo Shin(Dongguk Univ.),Sung Min Kim(Dongguk Univ.),Joo Woong Kim(New power electronics co.),Ki Hwan Eom(Dongguk Univ.)
3B10	Modeling, System Identification and Estimation (2)	412	Estimation of the transition time of hybrid systems by using wavelet analysis	Tomoaki Kashiwao(The University of Tokushima),Kenji Ikeda(The University of Tokushima),Takao Shimomura(The University of Tokushima)
3B11	Adaptive Control (3)	058	Indirect Adaptive Networked Control with Delay and Data Loss in Communication	Shun-ichi Akama(The University of Tokyo),Koji Tsumura(The University of Sughira Shigehiro(Keio Univ.),Ichikawa Kouji(Keio Univ.),Ohmori Hiromitsu(Keio Univ.)
3B11	Adaptive Control (3)	343	Starting Speed Control of SI Engine Based on Online Extremum Control	Hideyuki Ito(Fuji Electric Advanced Technology Co.,Ltd.),Chikashi Nakazawa(Fuji Electric Advanced Technology Co.,Ltd.),Tetsuro Matsui(Fuji Electric Advanced Technology Co.,Ltd.),Kouji Matsumoto(Fuji Electric Systems Co.,Ltd.),Hideyuki Nishida(Fuji Electric Systems Co.,Ltd.),Anna Patete(Tokyo Denki Univ.),Katsuhisa Furuta(Tokyo Denki Univ.),Masayoshi Tomizuka(Univ. of California)
3B11	Adaptive Control (3)	399	Model Predictive Control for a Periodic Reference Signal	Koichi Hidaka(Tokyo Denki University)
3B11	Adaptive Control (3)	548	Self-Tuning Control of Time-Varying Systems based on Generalized Minimum Variance Criterion	Woojong Yoo(Pohang university of science&technology),Daehyun Ji(Pohang university of science&technology),Sangchul Won(Pohang university of science&technology)
3B11	Adaptive Control (3)	590	Adaptive Control design of an Omnidirectional Automated Guided Vehicle in consideration of mass	ZHOU Shenghao(University of Tsukuba),YASUNOBU Seiji(University of Technology)
3B12	Intelligent Control (2)	357	A new fuzzy stabilizer with tuning parameters for nonlinear system	Yutaka Iino(Toshiba Corporation),Masayuki Fujita(Tokyo Institute of Technology)
3B12	Intelligent Control (2)	359	An intelligent cooperative system using fuzzy instruction for an operator training system	Dung Le(Shibaura Institute of Technology),Takashi Komeda(Shibaura Institute of Technology),Motoki Takagi(Shibaura Institute of Technology)
3B12	Intelligent Control (2)	438	Wireless Sensor Network based Control System ---Trade off between sensor power saving and control performance---	mohammad abdulmaleki(nri)
3B12	Intelligent Control (2)	471	Reinforcement Learning in Non-Markovian Environments using Automatic Discovery of Subgoals	Tianshuang Fu(Shinshu University),Fumiaki Imado(Shinshu University)
3B12	Intelligent Control (2)	490	A Robust Fuzzy Logic Adaptive PI Controller for Hydro Power Plants	Byoung-Mun Min(KAIST),Deakyu Sang(KAIST),Min-Jea Tahk(KAIST),Byoung-Soo Kim(Gyeongsang Nat. Univ.)
3B14	OS: Navigation, Guidance, and Control in Aerospace Systems (2)	185	The Optimal Orbital Control of the Dive and Ascent Earth Observing Satellite	Masahiko Nawa(National Defense Academy),Hiroyuki Takano(National Defense Academy),Takeshi Yamasaki(National Defense Academy),Yoriaki Baba(National Defense Academy)
3B14	OS: Navigation, Guidance, and Control in Aerospace Systems (2)	205	Missile Autopilot Design via Output Redefinition and Gain Optimization Technique	Seiya Ueno(Yokohama Nat. Univ.),Kwon Soon Jae(Yokohama Nat. Univ.)
3B14	OS: Navigation, Guidance, and Control in Aerospace Systems (2)	260	Minimum Time Vertical Turn of a Helicopter	Sunhyuk Kang(Seoul National Univ.),Jongho Shin(Seoul National Univ.),H. Jin Kim(Seoul National Univ.)
3B14	OS: Navigation, Guidance, and Control in Aerospace Systems (2)	571	Optimal Reconfiguration of UAVs in Formation Flight	Shunji Tanaka(Kyoto Univ.)
3B14	OS: Navigation, Guidance, and Control in Aerospace Systems (2)	601	Observer-based Nonlinear Model Predictive Tracking Control for Bank-to-Turn Missiles	Kazutoshi Sakakibara(ritsumeikan University),Hisashi Tamaki(Kobe University),Ikuko Nishikawa(ritsumeikan University)
3B15	OS: Vehicle Routing and Scheduling	223	A hybrid algorithm for the input/output scheduling problem of multi-shuttle AS/RSS	Tsutomu Inamoto(Kobe University),Hisashi Tamaki(Kobe University),Hajime Murao(Kobe University)
3B15	OS: Vehicle Routing and Scheduling	391	Autonomous Distributed Approaches for Pickup and Delivery Problems with Time Windows	Kokolo Ikeda(Kyoto Univ.),Hiromichi Suzuki(Fujitec Co. Ltd),Sandor Markon(Fujitec Co. Ltd),Hajime Kita(Kyoto Univ.)
3B15	OS: Vehicle Routing and Scheduling	405	Model-Approximated Dynamic Programming based on Decomposable State Transition Probabilities	Jun Uchida(Kyoto Institute of Technology),Yoshiyuki Karuno(Kyoto Institute of Technology),Hiroschi Nagamochi(Kyoto University)
3B15	OS: Vehicle Routing and Scheduling	481	Traffic-Sensitive Controllers for Multi-Car Elevators; Design, Multi-Objective Optimization and Analysis	Koichi Gyoda(NICT),Yasushi Hada(NICT),Osamu Takizawa(NICT)
3B15	OS: Vehicle Routing and Scheduling	503	Heuristics for a Scheduling Problem of Minimizing the Number of One-Way Vehicles on Paths with Deadlines	Teruji Sekozawa(Kanagawa University)
3B16	Robot Design (1)	218	Performance Analysis of the Network Model and Scenarios for the Search Robot Rescue System	Hyuk Joong Kwon(Chungbuk National Univ.),Tae Hyoung Park(Chungbuk National Univ.)
3B16	Robot Design (1)	257	Construction Algorithm of Optical Cable Net for Minimum Cost and Maximum Reliability	Yuta Komoguchi(Technical University Munich),Angelika Peer(Technical University Munich),Martin Buss(Technical University Munich)
3B16	Robot Design (1)	449	An Automatic Inspection System for Hologram with Multiple Patterns	
3B16	Robot Design (1)	480	Control and Performance Evaluation of a New Redundant	

Tentative Program

Session ID	Session title	PaperNumber	Title	
3B16	Robot Design (1)	532	Mobile Banking Services in the Bank Area	Mohammad Shirali-Shahreza(Sharif Univ. of Tech.),M. Hassan Shirali-Shahreza(Yazd Univ.)
3C01	Genetic Algorithm and Genetic Programming	090	A Genetic Network Programming based Method to Mine Generalized Association Rules with Ontology	Guangfei Yang(Waseda University),Kaoru Shimada(Waseda University),Shingo Mabu(Waseda University),Kotaro Hirasawa(Waseda University),Jinglu Hu(Waseda University)
3C01	Genetic Algorithm and Genetic Programming	157	Association Rules Mining for Handling Continuous Attributes using Genetic Network Programming and Fuzzy Membership Functions	Karla Taboada(Waseda Univ.),Kaoru Shimada(Waseda Univ.),Shingo Mabu(Waseda Univ.),Kotaro Hirasawa(Waseda Univ.),Jinglu Hu(Waseda Univ.)
3C01	Genetic Algorithm and Genetic Programming	159	Hierarchical Association Rule Mining in Large and Dense Databases using Genetic Network Programming	Eloy Gonzales(Waseda Univ.),Kaoru Shimada(Waseda Univ.),Shingo Mabu(Waseda Univ.),Kotaro Hirasawa(Waseda Univ.),Jinglu Hu(Waseda Univ.)
3C01	Genetic Algorithm and Genetic Programming	169	Genetic Network Programming with Class Association Rule Acquisition Mechanisms from Incomplete Database	Kaoru Shimada(Waseda Univ.),Kotaro Hirasawa(Waseda Univ.),Jinglu Hu(Waseda Univ.)
3C01	Genetic Algorithm and Genetic Programming	207	Enhancement of Trading Rules on Stock Markets Using Genetic Network Programming with Sarsa Learning	Yan Chen(Waseda University),Shingo Mabu(Waseda University),Kotaro Hirasawa(Waseda University),Jinglu Hu(Waseda University)
3C01	Genetic Algorithm and Genetic Programming	222	Study on Encoding Schemes in Compact Genetic Algorithm for the Continuous Numerical Problems	Joon-Yong Lee(KAIST),Min-Soeng Kim(KAIST),Cheol-Taek Kim(KAIST),Ju-Jang Lee(KAIST)
3C02	Biological and Physiological Engineering (2)	034	Effects of Light Stimulus Frequency on Phase Characteristics of Brain Waves	Seiji Nishifuji(Yamaguchi Univ.),Kentaro Fujisaki(Yamaguchi Univ.),Shogo Tanaka(Yamaguchi Univ.)
3C02	Biological and Physiological Engineering (2)	066	Habitual Exercise State Aware Automatic Running Course Provision	Katsuhiko Takata(Hosei Univ.),Jianhua Ma(Hosei Univ.)
3C02	Biological and Physiological Engineering (2)	199	Three elementary logics for compound control	reiko Tanaka(rIKEN),Hidenori Kimura(rIKEN)
3C02	Biological and Physiological Engineering (2)	278	New Approach for the Time Motion Analysis of Medical Staffs in a Ward by Video Image Processing	Shima Okada(Osaka University Graduate School of Medicine),Yuko Ohno(Osaka University Graduate School of Medicine)
3C02	Biological and Physiological Engineering (2)	353	A study of index for estimating effect of electroconvulsive therapy based on electroencephalogram	Eiko Furutani(Kyoto Univ.),Kosuke Asada(The Chugoku Electric Power Co.),Yoshihito Sawaguchi(Kisarazu National College of Tech.),Hidemichi Suga(Kyoto Univ.)
3C03	OS: New Trends in Reinforcement Learning	172	About distributing rewards to a rule with probabilistic state transition	Wataru Uemura(ryukoku University)
3C03	OS: New Trends in Reinforcement Learning	389	An Intelligent Control System Using Object Model by Real-time Learning	Eriko Kawana(Tsukuba Univ.),Seiji Yasunobu(Tsukuba Univ.)
3C03	OS: New Trends in Reinforcement Learning	413	Parallel Reinforcement Learning Systems Using Exploration Agents and Dyna-Q Algorithm	Takeshi Tateyama(Tokyo Metropolitan Univ.),Seiichi Kawata(Advanced Institute of Industrial Technology),Yoshiki Shimomura(Tokyo Metropolitan Institute of Industrial Technology)
3C03	OS: New Trends in Reinforcement Learning	464	Proposal and Evaluation of the Penalty Avoiding Rational Policy Making Algorithm with Penalty Level	Kazuteru Miyazaki(NIAD-UE),Tomimizu Kojima(Meiji Univ.),Hiroaki Kobayashi(Meiji Univ.)
3C03	OS: New Trends in Reinforcement Learning	477	Reinforcement Learning in Multi-dimensional State-Action Space using Random Rectangular Coarse Coding and Gibbs Sampling	Hajime Kimura(Kyushu Univ.)
3C03	OS: New Trends in Reinforcement Learning	482	Multiple Timescales PIA for cooperative reinforcement learning based on MDP model	Tomohiro YAMAGUCHI(Nara National College of Technology),Eri IMATANI(Nara National College of Technology)
3C03	OS: New Trends in Reinforcement Learning	497	Swarm Reinforcement Learning Algorithms -Exchange of Information among Multiple Agents-	Hitoshi Iima(Kyoto Institute of Technology),Yasuaki Kuroe(Kyoto Institute of Technology)
3C04	OS: Image Processing and Pattern Recognitions	609	A Design of the EEG feature detection and condition classification	Junko Murakami(Tokyo Univ. of Agriculture and Tech.),Shin-ichi Ito(Tokyo Univ. of Agriculture and Tech.),Yasue Mitsukura(Tokyo Univ. of Agriculture and Tech.),Jianting Cao(Saitama Institute of Technology),Minoru Fukumi(The University of Tokushima)
3C04	OS: Image Processing and Pattern Recognitions	610	A Design of the Preference Acquisition Detection System	Eriko Yokomatsu(Tokyo Univ. of Agri. and Tech.),Shin-ichi Ito(Tokyo Univ. of Agri. and Tech.),Yasue Mitsukura(Tokyo Univ. of Agri. and Tech.),Jianting Cao(Saitama Inst. of Tech.),Minoru Fukumi(Tokushima Univ.)
3C04	OS: Image Processing and Pattern Recognitions	612	Apparent age estimation system based on age perception	Hironobu Fukai(TUAT),Hironori Takimoto(Sasebo National College of Technology),Yasue Mitsukura(TUAT),Minoru Fukumi(The Univ. of Tokushima)
3C04	OS: Image Processing and Pattern Recognitions	619	Appearance-age feature extraction from facial image based on age perception	Hironori Takimoto(Sasebo National College of Technology),Tsubasa Kuwano(Sasebo National College of Technology),Yasue Mitsukura(Tokyo University of Agriculture and Technology),Hironobu Fukai(Tokyo University of Agriculture and Technology),Minoru Fukumi(The Univ. of Tokushima)

Tentative Program

Session ID	Session title	PaperNumber	Title	
3C04	OS: Image Processing and Pattern Recognitions	620	Incremental learning method in wrist EMG recognition system	Tadahiyo Oyama(Univ. of Tokushima),Yuji Matsumura(Univ. of Tokushima),Stephen Karungaru(Univ. of Tokushima),Satoru Tsuge(Univ. of Tokushima),Yasue Mitsukura(TUAT),Minoru Fukumi(Univ. of Tokushima)
3C04	OS: Image Processing and Pattern Recognitions	621	The EEG Feature Extraction Method of Listening to Music Using the Genetic Algorithms and the Latency Structure Model	Shin-ichi Ito(TUAT),Yasue Mitsukura(TUAT),Hiroko Miyamura(TUAT),Takafumi Saito(TUAT),Minoru Fukumi(University of Seiki Yoshimori(Nippon Bunri University),Yasue Mitsukura(Tokyo University of Agriculture and Technology),Minoru Fukumi(University of Tokushima),Norio Akamatsu(University of Tokushima)
3C04	OS: Image Processing and Pattern Recognitions	638	A Proposal of Adaptive Graininess Suppression Method	Satoshi Ito(Gifu Univ.),Minoru Sasaki(Gifu Univ.),Masayuki Obata(YASKAWA INFORMATION SYSTEMS Corporation),Takeshi Nishida(Kyushu Institute of Technology),Hidekazu Miyagawa(YASKAWA INFORMATION SYSTEMS Corporation),Fujio Ohkawa(Kyushu Institute of Technology)
3C05	Image processing (2)	150	Parallel Processing of Figure-Ground Separation in Random Dot Kinematogram with Optical Flow	Yu Yinghua(Kagawa Univ.),Wu Jinglong(Kagawa Univ.)
3C05	Image processing (2)	328	Robust Target Detection and Tracking Using Particle Filter and Parametric Eigenspace Method	Toshihiro Shinohara(Kinki Univ.)
3C05	Image processing (2)	349	Luminance Effects on Visual Perception of Self-rotation for Development of Driving Simulator	Yoshihiko Hashidume(Okayama Univ.),Yoshitaka Morikawa(Okayama Univ.)
3C05	Image processing (2)	354	Iterative Extraction of Yarn Positional Information from Three-dimensional Image of Textile Fabric	Shinichiro Nakamura(Meiji University),Osamu Oyama(Meiji University),Toshihiro Yoshimitsu(Kanagawa Institute of Technology)
3C05	Image processing (2)	383	Lossless Image Coding Based on Minimum Mean Absolute Error Predictors	Yuki Akiyama(Yokohama National Univ.),Kazushi Sanada(Yokohama Bingzhao GAO(Yokohama National Univ.),Kazushi SANADA (Yokohama National Univ.),Kenichi FURUHATA (ISUZU)
3C06	OS: FLUCOME-J SICE 2007	067	Development of Tendon-Driven Assistance Manipulator System by Air Pressure Control	Kotaro Tadano(Tokyo Institute of Tech.),Kenji Kawashima(Tokyo Institute of Tech.),Toshiharu Kagawa(Tokyo Institute of Tech.)
3C06	OS: FLUCOME-J SICE 2007	192	A Power-Assisted Chair with Motion-Sensing Control	Shogo Tanaka(Yamaguchi Univ.)
3C06	OS: FLUCOME-J SICE 2007	198	A Study on Yow Rate Control of Hydraulic-Power-Steering Heavy Duty Vehicles	Fang-Ming Yu(St. John's Univ.),Cheng-Ning Huang(National Central Univ.),Feng-Ming Hsu(National Central Univ.),Hung-Yuan Chung(National Hideaki Takahashi(Kumamoto University),Teruo Yamaguchi(Kumamoto University),Hiroshi Harada(Kumamoto University)
3C06	OS: FLUCOME-J SICE 2007	626	Evaluation of a Master Slave System with Force Sensing	Shinnichiro Izumi(Kumamoto Univ.),Teruo Yamaguchi(Kumamoto Univ.)
3C07	Signal Processing (4)	264	An Electromagnetic Coupling Device for High Speed Running Radar for Non-Destructive Inspection	Navapadol Kittiamornkul(King mongkut university of technology thonburi),Kamon Jiraseriamornkul(King mongkut university of technology thonburi),Kosin Chamnongthai(King mongkut university of technology thonburi),Monai Krairiksh(King Mongkut Institute of Technology Ladkrabang),Kohji Higuchi(University of Electro-Communications)
3C07	Signal Processing (4)	418	Pseudo electrodes driven patterns for Electrical Impedance Tomography	Masatoshi Takano(Toyota Motor Corporation)
3C07	Signal Processing (4)	576	Velocity Distribution Measurement with Oculomotor System	Masami Hasegawa(JEMIMA),Toshiki Ogawa(JEMIMA)
3C07	Signal Processing (4)	577	Time-to-Contact Estimation on the Scaled-Matching of Power Spectra	Hisashi Saitou(Yokogawa Electric Corporation),Kouji Demachi(Yokogawa Electric Corporation)
3C07	Signal Processing (4)	644	System Design of Durian Maturity Determination using Microstrip Patch Antennas	Kotaro Amanuma(YAMATAKE)
3C08	OS: Safety and Cyber Security for Industrial Automation (2)	163	Sustainable Cyber Security for Utility Facilities Control System based on Defense-in-Depth Concept	Mitsuo Harada(SiemensK.K.)
3C08	OS: Safety and Cyber Security for Industrial Automation (2)	193	Security measures of Manufacture & Control System	Yutaka Uchimura(Shibaura Inst. of Tech.),Tadashi Nasu(Kajima Corp.),Motoichi Takahashi(Kajima Corp.)
3C08	OS: Safety and Cyber Security for Industrial Automation (2)	317	EMC consideration of safety system	Hidekata Hontani(Nagoya Institute of Technology),Yuya Higuchi(Nagoya Institute of Technology)
3C08	OS: Safety and Cyber Security for Industrial Automation (2)	444	Trend of International Safety Standards	Isao Yamada(Yamatake Corp.),Tomoaki Ohtsuki(Keio Univ.),Tetsuo Hisanaga(Yamatake Corp.),Li Zheng(Yamatake Corp)
3C08	OS: Safety and Cyber Security for Industrial Automation (2)	550	Security Management of Factory Automation	Hidekata Hontani(Nagoya Institute of Technology),Kenichi Ito(Nagoya Institute of Technology)
3C09	OS: Networked Sensing Systems	110	Time synchronized wireless sensor network for vibration measurement	
3C09	OS: Networked Sensing Systems	139	Kalman Filtering for Improving Car Positioning with Measurements of Relative Distance	
3C09	OS: Networked Sensing Systems	298	An Indoor Position Estimation Method by Maximum Likelihood Algorithm using RSS	
3C09	OS: Networked Sensing Systems	552	Calibration Performance in Merging Measurement Graph	

Tentative Program

Session ID	Session title	PaperNumber	Title	
3C09	OS: Networked Sensing Systems	645	A proposal of gyro sensor using asymmetrical comb-drive actuator	Hideta Oiso(Kagawa Univ),Souichirou Kariya(Kagawa Univ),Gen Hashiguchi(Kagawa Univ)
3C10	Modeling, System Identification and Estimation (3)	007	Floquet factorization algorithms in linear continuous-time periodic systems	Jun Zhou(Kyoto Univ.)
3C10	Modeling, System Identification and Estimation (3)	074	Pole Assignment Method Based on Numerical Computation with Guaranteed Accuracy	Kentaro Yano(Kyushu Inst. of Tech.),Masanobau Koga(Kyushu Inst. of Tech.)
3C10	Modeling, System Identification and Estimation (3)	134	Modelling and Optimisation of a Glass Feeder Considered as a Distributed Parameter System	Sebastian Henkel(Stuttgart Univ.),Alexander Kharitonov(Stuttgart Univ.),Oliver Sawodny(Stuttgart Univ.)
3C10	Modeling, System Identification and Estimation (3)	155	Distributed Estimation Fusion with Global Track Feedback Using a Modified LOLIMOT Algorithm	Javad rezaie(University Of Tehran),Behzad Moshiri(University Of Tehran),Babak Araabi(University Of Tehran)
3C10	Modeling, System Identification and Estimation (3)	523	Parameter Estimation of PEMFC by On-Line Tracking Simulator	Makoto Nakaya(Yokogawa Electric Corp.),Kyojiro Kawaguchi(Yokogawa Electric Corp.),Yasushi Onoe(Yokogawa Electric Corp.),Kenji Watanabe(Yokogawa Electric Corp.),Tetsuya Ootani(Yokogawa Electric Corp.)
3C11	Mechanical Systems Control (4)	050	Torque ripples and EMI Noise Minimization in PMSM Using Hybrid Filter	Ali Adam(Yildiz Technical University),Kayhan Gulez(Yildiz Technical University),Yujii Ishino(Saitama University),Masaya Takasaki(Saitama University),Takehiko Furushima(Saitama University)
3C11	Mechanical Systems Control (4)	154	General Forms of Controller Realizing Negative Stiffness	Yasunori Kawai(Ishikawa National College of Technology),Masayuki Fujita(Tokyo Institute of Technology)
3C11	Mechanical Systems Control (4)	269	A Study of Bilateral Teleoperation with Time Delay using Command	Kei Watanabe(Tohoku Univ.),Yuta Yoshihata(Tohoku Univ.),Yasushi Iwata(Tohoku Univ.),Koichi Hashimoto(Tohoku Univ.)
3C11	Mechanical Systems Control (4)	351	Image-based visual PID control of a micro helicopter using a stationary camera	Tsai-Cheng Li(St. John's Univ.),Huan-Wen Wu(Nan Jeon Institute of Technology),Herchang Ay(National Kaohsiung University of Applied Technology),Dirk Stobener(University of Bremen),Sebastian Allers(University of Bremen),Bernd Kuhfuss(University of Bremen),Gert Goch(University of Bremen)
3C11	Mechanical Systems Control (4)	422	Twisting Wire Actuated Motion Platform	Matko Dijkman(University of Bremen),Dirk Stobener(University of Bremen),Yutaka Shimizu(National Defense Acad.),Masaaki Murata(National Defense Acad.)
3C11	Mechanical Systems Control (4)	431	In-Process Control of Cutting Depth during Turning	Shoji Yoshikawa(Mitsubishi Electric Co.),Takehiro Nishiyama(Mitsubishi Electric Co.)
3C14	OS: Navigation, Guidance, and Control in Aerospace Systems (3)	156	Flight Evaluation of GPS Precise Point Positioning for Helicopter Navigation	Masahito Watanabe(National Defense Academy),Yoshimasa Ochi(National Defense Academy)
3C14	OS: Navigation, Guidance, and Control in Aerospace Systems (3)	177	Attitude Determination of Rotating Spacecraft by Magnetic Sensors	Mamoru Sekido(NICT),ryuichi Ichikawa(NICT),Makoto Yoshikawa(JAXA/ISAS),Hiroshi Takeuchi(JAXA/ISAS),Takaji Kato(JAXA/ISAS),Nanako Mochizuki(JAXA/ISAS),Yasuhiro Murata(JAXA/ISAS),Tutomu Ichikawa(JAXA/ISAS)
3C14	OS: Navigation, Guidance, and Control in Aerospace Systems (3)	334	Modeling and motion analysis for a powered paraglider(PPG)	Maeda Ken(NEC Corp.)
3C14	OS: Navigation, Guidance, and Control in Aerospace Systems (3)	563	Evaluation of Differential VLBI Phase Delay Observable for Spacecraft Navigation --Delta VLBI observation of HAYABUSA at touchdown to Itokawa --	Hiroshi Hashimoto(Tokyo Univ. of Tech.),Toshio Matsunaga(Tokyo Univ. of Tech.),Toshinori Tsuboi(Tokyo Univ. of Tech.),Yasuhiro Ohyama(Tokyo Univ. of Tech.),Jin Sha(Tokyo Univ. of Tech.),Naoki Amano(Tokyo Univ. of Tech.),Sho Yokota(Tokyo Univ. of Tech.),Hiroyuki Kobayashi(Osaka Institute of Tech.),Masaki Fujioka(Nagoya Sangyo Univ.),Kenichi Ishibashi(Nagoya University of Technology),Naoki AMANO(Tokyo University of Technology)
3C14	OS: Navigation, Guidance, and Control in Aerospace Systems (3)	628	An In-flight Alignment Calibration Scheme for Astronomy Telescope	Akinori Sasaki(Tokyo Univ. of Technology),Hiroshi Hashimoto(Tokyo Univ. of Technology),Sho Yokota(Tokyo Univ. of Technology),Yasuhiro Ohyama(Tokyo Univ. of Technology)
3C15	OS: Supporting Technology for High Quality of Life	164	Comfortable Life Space for Elderly- using supporting systems based on technology -	Takaki Harada(Kagawa University),Kazuya Yamamoto(Kagawa University),Masahiro Kondo(Kagawa University),Kazuhiro Gesho(Kagawa University),Ichirou Ishimaru(Kagawa University)
3C15	OS: Supporting Technology for High Quality of Life	267	A Multi-Agent Evacuation Simulator to Design Safe Cities for High Quality of Life with Computer Clustering	
3C15	OS: Supporting Technology for High Quality of Life	386	Vision-Based Human Behavior Recognition by a Mobile Robot	
3C15	OS: Supporting Technology for High Quality of Life	417	Investigation of Human Motion under Conditions with Sensory Feedbacks Restricted in Yo-yo Control	
3C15	OS: Supporting Technology for High Quality of Life	451	Spectroscopy Optical Coherence Tomography of Biomedical Tissue	

Tentative Program

Session ID	Session title	PaperNumber	Title	
3C15	OS: Supporting Technology for High Quality of Life	485	Steady Standing Assistance using Active Walker Function	Daisuke Chugo(The Univ. of Electro-Communications),Takeya Kitamura(The Univ. of Electro-Communications),Songmin Jia(The Univ. of Electro-Communications),Kunikatsu Takase(The Univ. of Electro-Communications)
3C15	OS: Supporting Technology for High Quality of Life	624	Supporting Technologies for Weak-Eyesight Persons - Automatic Color Conversion and Training Vision –	Sho Yokota(Tokyo Univ. of Tech.),Hiroshi Hashimoto(Tokyo Univ. of Tech.),Akinori Sasaki(Tokyo Univ. of Tech.),Yasuhiro Ohyama(Tokyo Univ. of Tech.),Yoshifumi Kuriyama(Gifu Univ),Yasushi Yasuda(Gifu Univ),Ken'ichi Yano(Gifu Univ),Masafumi Hamaguchi(Shimane Univ)
3C16	Robot Design (2)	117	Liquid Container Transfer Control by Hybrid Shape Approach for 6DOF Manipulator	Yuhi Awa(Hosei Univ.),Kazuyuki Kobayashi(Hosei Univ.)
3C16	Robot Design (2)	303	Kinematics Simulation by Using ODE and MATLAB	Tianyi Yan(Kagawa University),Jinglong Wu(Kagawa University)
3C16	Robot Design (2)	362	The contribution of pinna to the discriminate the vertical angle	Byung-Chan Chang(Kyungpook National University),Jung-Eun Lim(Kyungpook National University),Hae-Jin Kim(Kyungpook National University),Bo-Hyeok Seo(Kyungpook National University)
3C16	Robot Design (2)	408	A study of classification of the level of sleepiness for the drowsy driving prevention	Mihoko Niitsuma(The Univ. of Tokyo),Hideki Hashimoto(The Univ. of Tokyo)
3C16	Robot Design (2)	605	Spatial Memory for Collaboration Support System in Intelligent Space -- User Identification Based on Spatial Memory --	