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Session	No	Title and Authors
_ 5551011	101A1	Indoor position measurement system based on time difference method by fixed sound source using ultrasonic wave
		ORyo Sakamoto, Eizou Uzu and Kiyotaka Kato (Tokyo University of Science) Acoustic Emission Source location using Taming
Annual	101A2	OMasato Uchida, Yasutake Koishi, Hiroyuki Miyamoto (Kyushu Institute of Technology),
Conference	101.4.2	Shuichi Ishida and Tatsuo Tabaru (National Institute of Advanced Industrial Science and Technology) Obstacle Avoidance using Dynamic Window Approach for Omni Wheel Mobile Robot
Sensing theory	101A3	OYuto Yamamoto, Nobutomo Matsunaga and Hiroshi Okajima (Kumamoto University)
and Sensor-	101A4	Identification of nonlinear mechanical system OYukiya YOSHIKAWA, Hiroshi HARADA, Hiroshi KASHIWAGI (Kumamoto University),
based systems	101714	Yukio TOYOSAWA and Naoto SONODA (FANUC Corporation)
(domestic)	101A5	Volcano Area Elastic Underground Probing System Using Huffman Sequence
(domestic)	101A5	OYoshihiro Tanada, Masato Iguchi, Keigo Yamamoto, Haruhisa Nakamichi (Kyoto University), Yuichi Morita (University of Tokyo), Kiminori Sato (Kagoshima University) and Takayuki Toyohira (Kagoshima College of Technology)
	101A6	Evaluation of layered linear array multi-imaging system using living body model
		OTakato Kishida and Akira Kimoto (Saga University) PID Controller Design Tools Based on Interactive Modification of Graph
	102A1	OS. Kuwaduru and M. Koga (Kyushu Institute of Technology)
Annual	102A2	Model Predictive Control Based on Multistep Ahead Predictors by Discrete-Time Gaussian Process Models
Conference	100.00	OTaiki Sato and Tomohiro Hachino (Kagoshima University) Optimal digital control without overshoot for a constant reference input
Control method	102A3	OShota Washinozu and Kazumi Horiguchi (The University of Kitakyushu)
1	102A4	Modeling of CO2 Uptake of Multi-Cells in Crassulacean Acid Metabolism
	10245	OS. Hashizu, H. Suemitsu and T. Matsuo (Oita University) Study on Two Degree of Freedom Control Systems Considering Fault Tolerance
(domestic)	102A5	OK. Motoyama and S. Kunimatsu (Kumamoto University)
	102A6	Electric Load Forecasting for Kyushu District Using Gaussian Process Models OYoshihiro Okuya and Tomohiro Hachino (Kagoshima University)
	102 4 1	Discriminant Analysis by using the feature values in color space
Annual	103A1	OJun Ishikawa, Junpei Eto and Atsunori Tayaoka (Kitakyushu National College of Technology)
Conference	103A2	Influence of Chaotic Property on Reinforcement Learning Using a Chaotic Neural Network
Conterence	102.4.2	OYuki Goto and Katsunari Shibata (Oita University) Reinforcement Learning of a Memory Task using an Echo State Network with Multi-Layer Readout
Machine	103A3	OToshitaka Matsuki and Katsunari Shibata (Oita University)
learning	103A4	Study on improvement of accuracy of Taming considering diversity OYasutake KOISHI, Hiroyuki MIYAMOTO (Kyushu Institute of Technology),
(domestic)	105/11	Shuichi ISHIDA and Tatsuo TABARU(National Institute of Advanced Industrial Science and Technology)
(domestic)	103A5	Introduction of Chaotic Neurons with Refractoriness in Reinforcement Learning using a Chaotic Neural Network
		OKatsuki SATO, Yuki GOTO and Katsunari SHIBATA (Oita University) Development of Real-time Environment Recognition System using LiDAR for Autonomous Driving
	104A1	ONaruaki Tokudome, Shuhei Ayukawa, Shun Ninomiya, Shuichi Enokida and Takeshi Nishida (Kyushu Institute of Technology)
ICT-ROBOT	104A2	Image based Attention Estimation for Interaction Scene
2017		ORinko Komiya, Takeshi Saitoh and Kazutaka Shimada (Kyushu Institute of Technology) Scene Understanding Without Detection Area Using Deep Convolutional Encoder-decoder Architecture
Image and	104A3	OHusnu Baris Baydargil, Jangsik Park, Jong Kwan Song and Serkan Serdaroglu (Kyungsung University)
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-	10445	Attitude Control Algorithm of Quad Copter Robust to Disturbance
(international)	104A5	OJiwook Choi, GyoungHoon Jang, JongWoo An and JangMyung Lee (Pusan national University)
	104A6	Simulation comparison between SMC and PID for architectural 3D printer simulator OJun Hyeok Seo and Min Cheol Lee (Pusan National University)
	101B1	Automatic alignment of mirrored images for shape measurement using a movable mirror
	101B1	ODaichi Nishiyama, Kotaro Sonoda and Senya Kiyasu (Nagasaki University)
Annual Conference	101B2	Object tracker combined Spatio-temporal differentiation with Kalman filter ORyota Hirakawa, Teruo Yamaguchi and Hiroshi Harada (Kumamoto University)
Conference	101B3	Cancellation of light scattering in turbid water for 3D shape measurement
Image	10105	OAkira Miyahara, Kotaro Sonoda and Senya Kiyasu (Nagasaki University)
processing and	101B4	Analysis Method of Swallowing Motion from Dental MR Imaging Based on AKAZE Local Features OKenta Suetani, Huimin Lu, Joo Kooi Tan, Hyoungseop Kim (Kyushu Institute of Technology),
Recognition 1		Tatsurou Tanaka, Shinji Kitou and Yasuhiro Morimoto (Kyushu Dental College)
(domestic)	101B5	Detection of Moving Objects from a Vehicle Camera Video Based on Sequential Background Estimation ORyota Kameda, Takuya Matsuo, Joo Kooi Tan, Hyoungseop Kim and Seiji Ishikawa (Kyushu Institute of Technology)
(domestic)	10104	Oryota Kaneda, Takuya Matsuo, 500 Kool Tan, Hyoungseop Kim and Seji Isnikawa (Kyushu histitute of Technology) Optimal color wheel design and evaluation experiment for DLP projector
	101B6	OKyouhei Inomoto, Hiroshi Okajima, Koutaki Gou and Nobutomo Matsunaga (Kumamoto University)
Annual Conference	102B1	Fault Tolerant Control Considering Uncertainty of Controlled System and Sensor Error OY. Kitajima and S. Kunimatsu (Kumamoto University)
	102B2	Identification of Hammerstein Systems Using Gaussian Process Models Based on Multiple Sets of Input and Output Data
	10282	OAkira Fukushima and Tomohiro Hachino (Kagoshima University)
Control method	102B3	Minimize undershoot for non-minimum phase systems under CdbC constraints OSho Himeno, Hiroshi Okajima and Nobutomo Matsunaga (Kumamoto University)
2 (domestic)	102B4	Momentum Method in Optimization and Its Application to MPPT Control
	10204	OY. Sueyoshi, H. Suemitsu and T. Matsuo (Oita University)
	102B5	Robust stabilization of a robot balancing on cylindrical bar based on descriptor form OSatoshi Sanada and Eiho Uezato (University of the Ryukyus)

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50351011		Provision of Progress Information in Simulation Calculation using Notification Function of Smart Terminals
Annual	103B1	OAkira Tsutsumi and Masanobu Koga (Kyushu Institute of Technology)
Conference	10202	Control of air classification for recycling of waste covered wires
	103B2	OKoki Yamaguchi, Yui Nishikawa and Atsunori Tayaoka (Kitakyushu National College of Technology)
Industrial	102D2	IoT Sensing Network using RaspberryPIs
applications	103B3	OYosuke Senta (Kurume Institute of Technology)
		Construction of Water Level Model for After Condenser in Spray Flash Desalination System Considering Dynamics of Freshwater Outlet Valve
(domestic)	103B4	OYoshihiro Eishima, Yoshitaka Matsuda, Satoru Goto, Takenao Sugi, Takafumi Morisaki, Takeshi Yasunaga
()		and Yasuyuki Ikegami (Saga University)
		Optimization of State Transition Matrix at Switching using Switching L2 Gain Analysis
	104B1	OKodai Nakano, Noboru Sebe (Kyushu Institute of Technology)
ICT-ROBOT		and Koichi Suyama (Tokyo University of Marine Science and Technology)
2017	104B2	Grey-smith Algorithm for Manipulator's Control in Time Delayed Situation
2017		ODong-Eon Kim, Deok-Su Kim, Yu-dong Zhao and Jang-Myung Lee (Pusan National University)
Control the second	104B3	Signal Compression Method for Human Heart Rate Modeling on Treadmill Exercise
Control theory		OHongyingLi and Min Cheol Lee (Pusan National University)
and recognition	104B4	Improvement of Driving Stability using Series Elastic Actuator
		OJin-Uk Bang, Byeong-Chan Choi, Ha-Nuel Yoon and Jang-Myung-Lee (Pusan National University)
(international)	104B5	Impact of Training Data Distribution: Fine-Tuning Based SqueezeNet for Vehicle Classification OAli Suryaperdana Agoes, Zhencheng Hu and Nobutomo Matsunaga (Kumamoto University)
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	104B6	Real-time Joint Based Human Activity Recognition using RGB-Depth Camera OOmer Faruk Ince, Ibrahim Furkan Ince, Jang Sik Park and Jong-Kwan Song (Kyungsung University)
		Offline reconstruction of competition video
Annual	101C1	OSoichiro Hashitsume, Ryoji Oishi, Hiroshi Okajima (Kumamoto University) and Tomoyoshi Miyahara (diffeasy)
Conference		Estimation of Steering Model depending on Gazing Distance and its Evaluation on Winding Road
	101C2	ODaisuke Matsuno, Nobutomo Matsunaga, Hiroshi Okajima and Yuki Shida (Kumamoto University)
Image		Detection of a Rush-out Pedestrian Using MSC-HOG Features Considering Body Direction
processing and	101C3	OYuta Ono, Joo Kooi Tan, Hyoungseop Kim and Seiji Ishikawa (Kyushu Institute of Technology)
Recognition 2	101.04	Estimation of angular displacement following the compensation of translation by a sepatio-temporal method
Recognition 2	101C4	OYuta Hamada, Teruo Yamaguchi and Hiroshi Harada (Kumamoto University)
(domestic)	10105	Automatic Parking Space Searching System using Stereo Camera
(domestic)	101C5	OShen Xiaoxin, Harutoshi Ogai and Hiroshi Inujima (Waseda University)
	102C1	A Research of Grinding Robot Using Force Sensor Information
	10201	OTakashi MATSUMOTO, Hiroshi HARADA and Teruo YAMAGUCHI (Kumamoto University)
Annual	102C2	A Design Method of Motion and Force Control Systems with Feedforward Compensations for Underwater Robotic Systems
Conference	10202	OYuichiro Taira (Sojo University), Shinichi Sagara and Masahiro Oya (Kyushu Institute of Technology)
	102C3	Swing-up and balancing control of rotary inverted pendulum using Lego Mindstorms
Robotics and	10200	ORyota Oshiro and Eiho Uezato (University of the Ryukyus)
System Control	102C4	Construction of Simulated Remote Monitoring System with Anomaly Detection and History Display for Remote Energy System
_		OTomohiro Ueno, Yoshitaka Matsuda, Takenao Sugi and Satoru Goto (Soga University)
(domestic)	10205	Development of Web Application for Real Time Remote Operation of an OTEC Plant Using Rankine Cycle
	102C5	OYoshitaka Matsuda, Satoru Goto, Takenao Sugi, Takafumi Morisaki, Takeshi Yasunaga, Yasuyuki Ikegami (Saga University),
┣────╋		Naruto Egashira (National Institute of Technology, Kurume College) Control performance of NC optimized by DE method for rotary crane
Annual	103C1	OMusashi Watanabe, Kunihiko Nakazono and Hiroshi Kinjo (University of the Ryukyus)
Conference		Emergence of speech recognition function through action learning by reinforcement learning using a neural network
	103C2	Oseidai Egoshi and Katsunari Shibata (Oita University)
Soft computing		Cntrol of rotary crane using NC optimized by GA (Consideration of simulation conditions)
Son computing	103C3	OAtsushi Matsuzawa, Kunihiko Nakazono and Hiroshi Kinjo (University of the Ryukyus)
(domestia)		Steering Control of Four-wheeled Vehicle Using NC Optimized by GA (Consideration for threshold function)
(domestic)	103C4	OHiroki Ito, Kunihiko Nakazono and Hiroshi Kinjo (University of the Ryukyus)
+	10401	Multi-Layer Superpixel Cut for Stereo Matching
	104C1	ODong-Wook Seo (University of Ulsan), Hyun-Deok Kang (UNIST) and Kang-Hyun Jo (University of Ulsan)
ICT-ROBOT	10400	Inverse Kinematics of 5 DOF Robot Manipulator Using Numerical Method
2017	104C2	OMin Gyu Jung and Min Cheol Lee (Pusan National University)
2017	10402	Measurement of Grasping Force in Finger robot Using Air Pressure Sensor
Mation	104C3 OJin-hyun Park, Ki-Seo Kim, Dong-Ju Park, Dong-Eon Kim and Jang-Myung Lee (Pusan National University)	
Motion control	10464	Autonomous Four-Axis Flight Control of Multi-Copter using only External USB Camera
and Manufact		
and Mapping	104C4	OTomoaki Yamashiro and Kazuya Sato (Saga University)
-		Accuracy Improvement of Localization using Particle Filter and Kalman Filters
and Mapping (international)	104C4 104C5	Accuracy Improvement of Localization using Particle Filter and Kalman Filters Hyunhak Cho, Eun Kyeong Kim, OJongeun Park and Sungshin Kim (Pusan Nation University)
-		Accuracy Improvement of Localization using Particle Filter and Kalman Filters

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Session	No	Title and Authors
	202A1	Flight control of multicopter for shifted center of gravity
	202A1	OM.Itabashi, R.Yanagihara, Y.Sato and K.Kato (Tokyo University of Science)
Annual		Position Control of Multirotor Helicopter With A Wind Disturbance
Conference	202A2	ONaoki MATSUO (Kyushu Institute of Technology), Hideki WADA (Shin-Nippon Nondestructive Inspection Co., Ltd),
		Katsuhiro OKUMURA (Fukuoka Industrial Technology Center) and Masahiro OYA (Kyushu Institute of Technology)
Mobile robots	202A3	Autonomous Flight Control of UAV using Machine Learning for Object Recognition
		OSouma Fujiwara, Kenta Hidaka and Kazuya Sato (Saga University) Verification Experiment of Signal Limitation Filter using Compact Vehicle Robot
(domestic)	202A4	OYuta Nakabayashi, Hiroshi Okajima and Nobutomo Matsunaga (Kumamoto University)
· · · ·		Navigation Control of Autonomous Mobile Robot based on Omnidirectional Stereo Camera Image
	202A5	OTakeshi Matsuoka (Fukuoka University)
		Color indication system aiming to encourage psychological stability
	203A1	OSen Takematsu, Yuki Tagashira, Hara Takumi and Tatsushi Tokuyasu (Fukuoka Institute of Technology)
Annual		Automatic detection of heart rate, respiratory rate and body movement using sheet-shaped body vibrometer during sleep
Conference	203A2	ORyoji Kawahara, Takenao Sugi, Satoru Goto, Yoshitaka Matsuda (Saga University),
Conference		Takamasa Kogure (PARAMOUNT BED CO., LTD.) and Shuichiro Shirakawa (Sleep Assessment & Research Institute)
Biological		Artifacts discrimination from video-EEG monitoring in ICU
information	203A3	ODaiya Nakashima, Takenao Sugi, Yoshitaka Matsuda, Satoru Goto (Saga University), Haruhiko Nohira (Nihon Kohden Corporation)
mormation		and Yuichi Kubota (Asakadai Central General Hospital, Tokyo Women's Medical University)
(domestic)	203A4	Trial to increase palm writing speed of communication support device for deaf-blind people
(domestic)		OSayaka Wada and Chikamune Wada (Kyushu Institute of Technology)
	203A5	Development of a simple system for the evaluation of human arm impedance properties in steering operations Wataru Okayama, Hideki Shimoyama, Yasuhiro Ueda and OYoshiyuki Tanaka (Nagasaki University)
	202B1 202B2	Proposal of Model-Based Development Based on Robot Model Described in URDF
Annual		OTatsuro Yunoki and Masanobu koga (Kyushu Institute of Technology)
Conference		Study on skill acquisition mechanism of upper limb
Conference		OHiroki Taniguchi and Tatsushi Tokuyasu (Fukuoka Institute of Technology)
Application of	202B3	Evaluation of driving assistance using virtual platoon control by augmented reality technology
Application of control	202B3	Ryota Kimura, OToshihiro Koyanagi, Nobutomo Matsunaga, Hiroshi Okajima and Gou koutaki (Kumamoto University)
control	202B4	Proposal of Distributed Control Method for Modular Robot with Dynamics
(dementia)	20201	OTakuto Toyonaga, Hiroshi Harada and Teruo Yamaguchi (Kumamoto University)
(domestic)	202B5	Autonomous driving of welfare vehicle using Real Time A*
		ONaotsugu Hashiguchi, Nobutomo Matsunaga and Hiroshi Okajima (Kumamoto University)
	203B1	Analysis of muscle activity about hold axillary pad during crutch walking by using musculoskeletal simulator
Annual		OYoshiki Nishisako, Chikamune Wada (Kyusyu Institute of Technology) and Takayuki Nagasaki (Kyushu University of Nursing and Social Welfare)
Conference		Identification of low load motion duing transfer nursing care by using wearable sensors
	203B2	OTsuyoshi Uezono, Kodai Kitagawa, Chikamune Wada (Kyushu Institute of Technology),
Welfare	20562	Takayuki Nagasaki and Sota Nakano (Kyushu University of Nursing and Social Welfare)
technology/		Development of maxillofacial model for dental education
Assistive	203B3	OTakahito Tsutsumi, Tsubasa Maruyama, Tatsushi Tokuyasu, Kazuhiko Toshimitsu (Fukuoka Institute of Technology),
technology		Kazutoshi Okamura and Kazunori Yoshiura (Kyusyu University)
65	203B4 203B5	Prototype development of a boot-type hand-free-stick
(domestic)		ONaoki Oyama, Takazumi Takenaka, Yoshiyuki Tanaka (Nagasaki University)
()		Improved Wrist Joint Dynamics with Myoelectric Signal inputs
		OKeshiki Terada, Shu Inoue, Masahiro Oya, Hidetaka Ohta (Kyushu Institute of Technology)