Triple Flat-Type Inductive-Based Oil Palm Fruit Maturity Sensor. Sensors, 18, 8, 2018.

Taichiro SUMI, Norihiro SATO, Makoto SONEHARA, Toshiro SATO, Hiroyuki WAKIWAKA, Yoshimi KIKUCHI

Fundamental study on magnetorheological fluid brake for regional jets. Journal of the Japan Society of Applied Electromagnetcs and Mechanics, 27, 1, 122-127, 2019.

Kunihisa TASHIRO, Hiroyuki WAKIWAKA, Kaiko MINAKATA, Toichiro KIMURA, Yoshihiro NAKAMURA

A Novel Eddy Current Method for Magnetic Plate Identification with Elimination of Lift-off Effect. Journal of the Japan Society of Applied Electromagnetcs and Mechanics, 27, 1, 165-168, 2019.

信州大学ー理化学研究所連携研究室

Taito Sekine, Naoki Kanayama, Kazunari Ozasa, Takashi Nyu, Tomohiro Hayashi, Mizuo Maeda

Stochastic Binding Process of Blunt-End Stacking of DNA Molecules Observed by Atomic Force Microscopy. Langmuir, 34, 15078-15083, 2018.

Guoqing Wang, Yoshitsugu Akiyama, Naoki Kanayama, Tohru Takarada, Mizuo Maeda

Non-Crosslinking Aggregation of DNA-Functionalized Gold Nanoparticles for Gene Diagnosis and Directed Assembly. ACS Symposium Series, 1309, 119-138, 2019.

技術部

Noboru Nakayama, Hayato Inoue, Hideharu Kusunoki, Masaomi Horita, Yoshitaka Kumeda, Keishi Nakamura

Effect of Shearing Distance on Mechanical and Electrical Properties for Cu-11Mn-4Ni Thin Plate Formed by Compression Shearing Method at Room Temperature. Materials Science Forum. 941, 1517-1522, 2018.

２．国際会議プロシーディング

電子情報システム工学科

Taishi Ito, Hernán Aguirre, Kiyoshi Tanaka, Arnaud Liefooghe, Bilel Derbel, Sébastien Verel

Estimating Relevance of Variables for Effective Recombination. Proc. of the 10th International Conference on Evolutionary Multi-Criterion Optimization (EMO2019), LNCS, 11411, 411-423, 2019.

Yuri Marca, Hernan Aguirre, Saúl Zapotecas, Arnaud Liefooghe, Bilel Derbel, Sébastien Verel, Kiyoshi Tanaka

Approximating the Pareto Set Topology by Cubic Interpolation on Bi-objective Problems. Proc. of the 10th International Conference on Evolutionary Multi-Criterion Optimization (EMO 2019), LNCS, 11411, 386-398, 2019.

Yoichi Matsubara, Yuya Ito, Keiichiro Shirai, Kiyoshi Tanaka

A Study on Pixel-wise parallel Calculation for Depth from Focus Using Gray Level Variance. Proc. of IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2018), 401-405, 2018.

Ryoma Ito, KokSheik Wong, Simying Ong, Kiyoshi Tanaka

Encryption and Data Insertion Technique using Region Division and Histogram Manipulation. Proc. of the Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC2018), 1118-1121, 2018.

Weng Ken Lee, Simying Ong, KokSheik Wong, Kiyoshi Tanaka
A Novel Coverless Information Hiding Technique using Pattern Image Synthesis. Proc. of the Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC2018), 1122-1127, 2018.

Sébastien Verel, Bilel Derbel, Arnaud Liefooghe, Hernán Aguirre, Kiyoshi Tanaka
A surrogate model based on Walsh decomposition for pseudo-boolean functions. International Conference on Parallel Problem Solving from Nature (PPSN 2018), LNCS, 11102, 181-193, 2018.

Arnaud Liefooghe, Bilel Derbel, Sébastien Verel, Manuel López-Ibánez, Hernán Aguirre, Kiyoshi Tanaka
On Pareto local optimal solutions networks. International Conference on Parallel Problem Solving from Nature (PPSN 2018), LNCS, 11102, 232-244, 2018.

Bilel Derbel, Arnaud Liefooghe, Qingfu Zhang, Sébastien Verel, Hernán Aguirre, Kiyoshi Tanaka
A set-oriented MOEA/D. Proc. of the Genetic and Evolutionary Computation Conference (GECCO2018), 617-624, 2018.

Hugo Monzón, Hernán Aguirre, Sébastien Verel, Arnaud Liefooghe, Bilel Derbel, Kiyoshi Tanaka
Studying MOEAs Dynamics and their Performance using a Three Compartmental Model. Proc. of the Genetic and Evolutionary Computation Conference (GECCO2018), 191-192, 2018.

Yuri Marca, Hernán Aguirre, Saúl Zapotecas, Arnaud Liefooghe, Bilel Derbel, Sébastien Verel, Kiyoshi Tanaka
Pareto dominance-based MOEAs on Problems with Difficult Pareto Set Topologies. Proc. of the Genetic and Evolutionary Computation Conference (GECCO2018), 189-190, 2018.

Cristea, A. I., Alshehri, M., Alamri, A., Kayama, M., Stewart, C., Shi, L
How is learning fluctuating? FutureLearn MOOCs fine-grained temporal analysis and feedback to teachers. Proc. of the 27th International Conference on Information Systems Development (ISD2018), 2018.

Cristea, A. I., Alamri, Ahmed, Kayama, Mizue, Stewart, Craig, Alsheri, Mohammed, Shi, Lei
Earliest predictor of dropout in MOOCs : a longitudinal study of FutureLearn courses. Proc. of the 27th International Conference on Information Systems Development (ISD2018), 2018.

Cristea, A. I., Alshehri, M., Alamri, A., Kayama, M., Foss, J., Shi, L., Stewart, C.
On the need for fine-grained analysis of gender versus commenting behaviour in MOOCs. Proc. of the ACM 3rd International Conference on Information and Education Innovations (ICIEI'18), 2018.

Alexandra I. Cristea, Mohammad Alshehri, Mizue Kayama, Jonathan Foss, Lei Shi, Craig D. Stewart
Can Learner Characteristics Predict their Behaviour on MOOCs. 2018 10th International Conference on Education Technology and Computers, 2018.

Yasunori Saito, Takayuki Tomida, Koichi Shiraishi
A fluorescence lidar for seamlessly connecting individual observations of the global environmental systems. Proc. SPIE, 10779, 107790M-1 - 107790M-8, 2018.

Mashu YAMAMOTO, Yuichiro TAMEDA, Takayuki TOMIDA, Motoki HAYASHI, Daisuke IKEDA, Katsuya YAMAZAKI, Hirokazu IWAKURA
The Cosmic Ray Air Fluorescence Fresnel lens Telescope (CRAFFT) for the next generation UHECR observatory. 35th International Conference on Ultra-High Energy Cosmic Rays (ICRC2017). PoS ICRC2017, DOI: 10. 22323/1. 301. 0433, 433, 2018/

Y. Tameda, T. Tomida, M. Hayashi, T. Seki (for the Telescope Array Collaboration)
TA fluorescence detector calibration by UV LED with an unmanned aerial vehicle. 35th International Conference on Ultra-High Energy Cosmic Rays (ICRC2017), PoS ICRC2017, DOI:10. 22323/1. 301. 0434, 434, 2018.

Takayuki TOMIDA, Yasunori SAITO, Ryo NAKAMURA, Katsuya YAMAZAKI (for the TA Collaboration)
Cloud monitoring system by Visible-light Fisheye CCD. 35th International Conference on Ultra-High Energy

Cosmic Rays (ICRC2017), PoS ICRC2017, DOI:10. 22323/1. 301. 0430. 430, 2018.

Hiroki Michiwaki, Fumihito Sasamori, Osamu Takyu, Shiro Handa

Performance evaluation of M-ary SS/HC-OFDM system with short spread codes in ultrasound transmission. 2018 International Scientific Conference on Engineering and Applied Sciences (ISCEAS), ISCEAS-0112, 378-380, 2018.

Sunao Narita, Fumihito Sasamori, Osamu Takyu, Shiro Handa

Performance evaluation of M-ary SS/HC-OFDM system with short spread codes in stereo FM transmission. 2018 International Scientific Conference on Engineering and Applied Sciences (ISCEAS), ISCEAS-0113, 381-383, 2018.

Takayuki Ogawa, Fumihito Sasamori, Osamu Takyu, Shiro Handa

Performance analysis of bit error rate using repetition coded OFDM systems in Nakagami-m fading environment. 2018 International Scientific Conference on Engineering and Applied Sciences (ISCEAS), ISCEAS-0114, 384-385, 2018.

Osamu Takyu, Shohei Fujii, Fumihito Sasamori, Shiro Handa, Mai Ohta, Takeo Fujii

Channel assignment based on predictions of sensing result and channel occupancy rate in PhyC-SN. 2018 IEEE Wireless Communications and Networking Conference (WCNC), 6pages, 2018.

Hironori Godo, Osamu Takyu, Koichi Adachi, Mai Ohta, Takeo Fujii, Fumihito Sasamori, Shiro Handa

Experimental Evaluation of Interference Robustness for Frequency Spectrum Sharing in WLAN Systems. APSIPA Annual Summit and Conference 2018, 6pages, 2018.

Shuhei Yamasaki, Minato Oriuchi, Osamu Takyu, Takeo Fujii, Mai Ohta, Fumihito Sasamori, Shiro Handa

A Signal Separation Method for Physical Wireless Parameter Conversion Sensor Networks Using K-Shortest Path. APSIPA Annual Summit and Conference 2018, 5pages, 2018.

Naoya Amano, Osamu Takyu, Keiichiro Shirai, Fumihito Sasamori, Shiro Handa,

Data Separation Technique using Spatial Correlation of Sensing Results for Physical Wireless Parameter Conversion Sensor Networks. APSIPA Annual Summit and Conference 2018, 5pages, 2018.

Kyosuke Fukuda, Osamu Takyu, Keiichiro Shirai, Takeo Fujii, Mai Ohta, Fumihito Sasamori, Shiro Handa

Adaptive Transmission Control with Prediction of Sensing Results for PhyC-SN. IEEE Radio Wireless Week 2019, 4pages, 2019.

Shuhei Yamasaki, Osamu Takyu, Takeo Fujii, Mai Ohta, Fumihito Sasamori, Shiro Handa

Data Separation Considering Smoothness of Sensing Data in Physical Wireless Parameter Conversion Sensor Networks. IEEE ICOIN 2019, 426-428, 2019.

Tetsuya Noguchi, Osamu Takyu, Takeo Fujii, Tomoaki Ohtsuki

Performance Evaluation of Information-Sharing Scheme among Multiple Destinations with Mirroring Null Steering in Single Antenna Networks. IEEE ICOIN 2019, 422-425, 2019.

Takanobu Fukuoka, Yuki Karasawa, Tomoki Akiyama, Ryoutaro Oka, Shu Ishida, Tomohiro Shirasawa,

Makoto Sonehara, Toshiro, Sato, Kousuke Miyaji

An 86% Efficiency, 20MHz, 3D-Integrated Buck Converter with Magnetic Core Inductor Embedded in Interposer Fabricated by Epoxy/Magnetic-Filler Composite Build-Up Sheet. Proc. 34th APEC and Exposition 2019, 1561-1566, 2019.

Hiroyuki Okazaki, Yuichi Futa, Kenichi Arai

Suitable Models for Formal Security Verification of Cryptosystems in ProVerif. The International Symposium on Information Theory and Its Applications (ISITA2018), 326-330, 2018.

Shun Endo, Yinggang Bu, Tsutomu Mizuno

Weight reduction and high efficiency of wireless power transmission coil using magnetocoated aluminum plate.

EVS 31 & EVTeC 2018 (The 31st International Electric Vehicles Symposium & Exhibition (EVS 31) & International Electric Vehicle Technology Conference 2018 (EVTeC 2018), C1-3, 6pages, 2018. 10.

Tatsuki Suzuki, Masami Nirei, Mitsuhide Sato, Yuichiro Yamanaka, Takumi Goto, Yinggang Bu, Tsutomu Mizuno

Examination of a linear generator with variable magnetic flux for free-piston engines. EVS 31 & EVTeC 2018 (The 31st International Electric Vehicles Symposium & Exhibition (EVS 31) & International Electric Vehicle Technology Conference 2018 (EVTeC 2018), E5-1, 6pages, 2018. 10.

Yuichiro Yamanaka, Masami Nirei, Mitsuhide Sato, Takumi Goto, Tatsuki Suzuki, Yinggang Bu, Tsutomu Mizuno

Examination of miniaturization using a double for free-piston linear generator system. 2018 International Conference on Electrical Machines and Systems (ICEMS 2018), I1-2901, 143-. 148, 2018. 10.

Shun Endo, Yinggang Bu, Tsutomu Mizuno

Copper loss reduction in wireless power transmission coil using magnetic path control technology. 2018 International Conference on Electrical Machines and Systems (ICEMS 2018), II4-2810, 2587-2592, 2018. 10.

Amit Batajoo, Yojiro Harie, Katsumi Wasaki

Implications of Formal Verification and Modeling Tools for Performing Operational Profile-based Testing of VR Tourism Systems Design. Proceedings of the 7th IEEE Global Conference on Consumer Electronics (GCCE 2018), 582-586, 2018.

Norihiro Sugita, Makoto Yoshizawa, Akira Tanaka, Makoto Abe, Noriyasu Homma, Tomoyuki Yambe

Extraction of blood pressure information from video plethysmography. Proc. of 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, ThBT14. 2, 2018.

Kozo Okano, Satoshi Harauchi, Shin Maruyama, Shinpei Ogata

Applying SAW to regression verification for C functions with recursive data structure. Proceedings of International Workshop on Informatics 2018 (IWIN2018), 125-132, 2018.

Kozo Okano, Kazuma Takahashi, Shinpei Ogata, Toshifusa Sekizawa

Analysis of Specification in Japanese using Natural Language Processing. Proceedings of the 12th Joint Conference on Knowledge-Based Software Engineering (JCKBSE 2018), 12-21, 2018.

Takaharu Kameoka, Atsushi Hashimoto, Kazuki Kobayashi, Keiichiro Kagawa, Masayuki Hirafuji, Jun Tanida

Multiband imaging and optical spectroscopic sensing for digital agriculture. Proc. of the 4th International Workshop on Image Sensors and Imaging Systems, 2018.

Kazuki Kobayashi, Fumiya Shimobayashi, Kazunori Terada, Takefumi Yoshikawa, Hiroyuki Sato, Hiroyuki Tsuchiya, Kanokwan Atchariyachanvanich

Behavior-based bird damage prevention system utilizing deep learning. Proc. of afita/wcca2018 (asia-pacific federation for information technology in agriculture/world congress on computers in agriculture), 346-348, 2018.

Fumiya Shimobayashi, Kazuki Kobayashi, Keiichiro Kagawa, Wei Guo, Masayuki Hirafuji, Jun Tanida

FS-TOMBO: an agricultural field monitoring system with a small and lightweight multispectral camera. Proc. of afita/wcca2018 (asia-pacific federation for information technology in agriculture/world congress on computers in agriculture), 346-348, 2018.

Takanori Komatsu, Kazuki Kobayashi, Seiji Yamada, Kotaro Funakoshi, Mikio Nakano

Vibrational artificial subtle expressions: conveying system's confidence level to users by means of smartphone vibration. Proc. of the 2018 chi conference on human factors in computing systems (CHI2018), 478:1-478:9, 2018.

Hassan Arafat, Ryohei Shimizu, Koh Johguchi

Hierarchial hybrid solid state drive. Proc. 2018 IEEE Region 10 Conference (TENCON2018), 1516-1519, 2018.

Tera Sakata, Yusuke Mitani, Kousuke Miyaji, Satoshi Kaneko, Takaharu Uekura, Hidetoshi Taki, Hideya Momose, Koh Johguchi

A CMOS integrated sweat monitoring system for medical applications. Proc. 2nd Interatioal Symposium on Devices. Circuits and Systems (ISDCS2019), 2019.

Koichi Eto, Gou Koutaki, Keiichiro Shirai

Hadamard coded discrete cross modal hashing. Proc. IEEE Int. Conf. on Image Process. (ICIP), 2007-2011, 2018.

Kazuki Yamanaka, Seisuke Kyochi, Shunsuke Ono, Keiichiro Shirai

Color affine subspace pursuit for color artifact removal. Proc. IEEE Int. Conf. on Acoustics, Speech, & Signal Process. (ICASSP), 1358-1362, 2018.

Koki Suzuki, Koangyong Hyun, Toshinori Taishi

Effect of the Growth Conditions on the Crystal Quality in Solution Growth of SiC Using Cr Solvent without Molten Si. Materials Science Forum 924, 35-38, 2018.

Koangyong Hyun, Toshinori Taishi, Koki Suzuki, Katsuya Teshima

Experimental Determination of Carbon Solubility in $Si_{0.56}Cr_{0.4}M_{0.04}$ (M=Transition Metal) Solvents for Solution Growth of SiC. Materials Science Forum 924, 43-46, 2018.

Toshinori Taishi, Masaru Takahashi, Naomichi Tsuchimoto, Koki Suzuki, Koangyong Hyun

Solution Growth of SiC from the Crucible Bottom with Dipping under Unsaturation State of Carbon in Solvent. Materials Science Forum 924, 51-54, 2018.

Kaiko Minakata, Kunihisa Tashiro, Hiroyuki Wakiwaka, Kazuki Kobayashi, Norhisam Misrom, Nor Aziana Aliteh, Hirokazu Nagata

Proposal of fruit battery method for estimating oil palm ripeness. 2018 12th International Conference on Sensing Technology (ICST), 399-402, 2019. 1.

Kunihisa Tashiro, Hiroyuki Wakiwaka, Kaiko Minakata, Toichiro Kimura, Yoshihiro Nakamura

A novel eddy current method for magnetic plate identification with eliminatio of lift-off effect. The Asia-Pacific Symposium on Applied Electromagnetics and Mechanics (APSAEM 2018), 5-6, 2018. 7.

F. Azhar, N. A. Mohd Nasir, F. Aqilah, R. N. Firdaus, K. Tashiro, H. Wakiwaka

Performance comparison of permanent magnet linear generator under 15s14p and 15s16p configuration. The Asia-Pacific Symposium on Applied Electromagnetics and Mechanics (APSAEM 2018), 38-39, 2018. 7.

Takanobu Fukuoka, Yuki Karasawa, Tomoki Akiyama, Ryoutaro Oka, Shu Ishida, Tomohiro Shirasawa, Makoto Sonehara, Toshiro Sato, Kousuke Miyaji

An 86% Efficiency, 20MHz, 3D-Integrated Buck Converter with Magnetic Core Inductor Embedded in Interposer Fabricated by Epoxy/Magnetic-Filler Composite. Proc. IEEE Applied Power Electronics Conference and Exposition (APEC), 1561-1566, 2019.

Yoshitaka Aoki, Shinpei Ogata, Kazuki Kobayashi, Hiroyuki Nakagawa

Verification of CPS Based on Control Loop using Model Checking. Proc. APSEC 2018, ERA track, 678-682, 2018.

Hironori Washizaki, Tian Xia, Natsumi Kamata, Yoshiaki Fukazawa, Hideyuki Kanuka, Dan Yamamoto, Masayuki Yoshino, Takao Okubo, Shinpei Ogata, Haruhiko Kaiya, Takehisa Kato, Takafumi Tanaka, Atsuo Hazeyama, Nobukazu Yoshioka, G Priyalakshmi

Taxonomy and Literature Survey of Security Pattern Research. Proc. AINS 2018, 87-92, 2018.

Shinpei Ogata, Yoshitaka Aoki, Hiroyuki Nakagawa, Kazuki Kobayashi

A Template System for Modeling and Verifying Agent Behaviors. Proc. PRIMA 2018, 576-584, 2018.

Yukiya Yazawa, Shinpei Ogata, Kozo Okano, Haruhiko Kaiya, Hironori Washizaki
Tool to Automatically Generate a Screen Transition Model Based on a Conceptual Model. Proc. JCKBSE 2018, 158–167, 2018.

Misaki Maruyama, Shinpei Ogata, Kozo Okano, Mizue Kayama
Support Tool for Refining Conceptual Model in Collaborative Learning. Proc. JCKBSE 2018, 147–157, 2018.

水環境・土木工学科

Takashi Kawamura, Takeo Umezaki, Ryuta Tsuboyama
Water retention curves of nonwoven geotextiles during drainage. Proc. 11th International Conference on Geosynthetics, AF0538, 1–4, 2018.

S. Zenzai, K. Ui, S. Shimizu, Y. Chikahiro, T. Ohkami
Behavior of a concrete-filled steel tube with diaphragm. Proc. of Stability of Structures Symposium 2018, USB, 2pages, 2018.

S. Zenzai, S. Shimizu, Y. Chikahiro, T. Ohkami,
Seismic behaviour of a concrete-filled steel tube with diaphragm. Proc. of Solid Mechanics 2018, USB, 2pages, 2018.

Y. Chikahiro, I. Ario, P. Pawlowski, C. Graczykowski, S. Shimizu
Numerical optimization of deployable scissors structure with reinforcing chord members. Proc. of Solid Mechanics 2018, USB, 2pages, 2018.

Y. Chikahiro, S. Zenzai, S. Shimizu, I. Ario
Dynamic analysis of scissors-type deployable pedestrian bridge under earthquake. Proc. of 9th International Conference on Bridge Maintenance, Safety and Management, USB, 6pages, 2018.

I. Ario, S. Ono, I. Tanikura, Y. Chikahiro, M. Nakazawa, P. Pawlowski, C. Graczykowski, J. Holnicki-Szulc
Deployable Mobile Bridge created from Origami. Proc. of 9th International Conference on Bridge Maintenance, Safety and Management, USB, 8pages, 2018.

機械システム工学科

Yuichi Chida, Ryotaro Hara
Setpoint tracking control with discrete actuators using controller switching. Proc. ASME 2018 Dynamics Systems and Control Conference (DSCC2018), 1–9, 2018.

Shigeo Fukada, Yukihiro Nakajo
Control of contact resistance and frictional condition between cylindrical models for hydraulic half-floating sliding leadscrew. Proceedings of the 18th International Conference of the European Society for Precision Engineering and Nanotechnology, 199–200, 2018.

Hiroshi Mizumoto, Shunsuke Abe, Kohei Sakagawa, Tatsunori Asaoka
Blockage Conditions of Erythritol Slurry as Heat Transfer Medium for Medium to Low Temperature Thermal Utilization. Proc. The 9th Asian Conference on Refrigeration and Air-conditioning, 2018.

Sorawit Sonsaree, Tatsunori Asaoka, Somchai Jiajitsawat, Hernan Aguirre and Kiyoshi Tanaka
Feasibility Study on Solar Organic Rankine Cycle Power Plant in Thailand: Low-temperature Heat Source, The proceedings of 9th International SOLARIS Conference, 2018.

Takuto Azegami, Yusuke Katayama, Yoshiaki Haneda, Shouichiro Iio
Performance of a submerged impulse hydro turbine. Proc. 29th IAHR Symposium on Hydraulic Machinery

and Systems, IAHR2018-159, 1-5, 2018.

Saki Usami, Hiroki Koyama, Takuto Azegami, Yusuke Katayama, Yoshiaki Haneda, Shouichiro Iio
Torque loss occurring on a submerged impulse hydro turbine. Proc. 29th IAHR Symposium on Hydraulic Machinery and Systems, IAHR2018-215, 1-6, 2018.

Hitomi Okabe, Yukiko Tanaka, Akari Watanabe, Futoshi Yoshida, Shouichiro Iio, Yoshiaki Haneda
Cavitation in a spool valve for water hydraulics. Proc. 29th IAHR Symposium on Hydraulic Machinery and Systems, IAHR2018-229, 1-6, 2018.

Yuki Ota, Shouichiro Iio, Yoshihide Mori, Shinji Kondo
Investigation of flattened torque converter performance at low speed ratio. Proc. 29th IAHR Symposium on Hydraulic Machinery and Systems, IAHR2018-258, 1-6, 2018.

Satoru Sakai
Further result on the fast computation of a class of hydro-mechanical systems. Proceedings of IFAC Workshop on Lagrangian and Hamiltonian Methods for Nonlinear Control, 74-79, 2018.

Cheng Hongsheng, Satoru Sakai
On the fast computation of hydraulic cylinder optimizations. SICE AC 2018, 1559-1561, 2018.

Akihiro Tatsuoka, Satoru Sakai, Qin Zhang
Modeling of hydraulic robots with an open-center dynamics. SICE International Symposium on Control Systems 2019, 3I1-1, 2019.

Shota Morozumi, Kumho Lee, Satoru Sakai
Visual modeling of non-planar sloshing via a linearizing basis. SICE International Symposium on Control Systems 2019, 3I1-3, 2019.

Kento Suzuki, Daisuke Hagiwara, Jun-ya Takayama
High precise estimation of propagation time and reflection phase shift based on time-frequency analysis on microwave radar. Proc. of the SICE Annual Conference 2018, WeA04. 6, 112-117, 2018.

Masaomi Nishimura, Naoki Kazami, Daiki Kato
Fracture behavior of multi-walled carbon nanotube under biaxial loading condition. Abstracts of the 9th International Conference on Multiscale Materials Modeling, P1-25, 2018.

Mo Yaqiang, Takamitsu Matsubara, Kimitoshi Yamazaki
Folding behavior acquisition of a shirt placed on the chest of a dual-arm robot. Proc. of International Conference on Information and Automation, 190-195, 2018.

Kimitoshi Yamazaki
Gripping positions selection for unfolding a rectangular cloth product. Proc. of 14th IEEE International Conference on Automation Science and Engineering, 606-611, 2018.

Kotaro Nagahama, Keisuke Takeshita, Hiroaki Yaguchi, Kimitoshi Yamazaki, Takashi Yamamoto,
Masayuki Inaba
A learning method for a daily assistive robot for opening and closing doors based on simple instructions. Proc. of 14th IEEE International Conference on Automation Science and Engineering, 599-605, 2018.

Kotaro Nagahama, Keisuke Takeshita, Hiroaki Yaguchi, Kimitoshi Yamazaki, Takashi Yamamoto,
Masayuki Inaba
Estimating door shape and manipulation model for daily assistive robots based on the integration of visual and touch information. Proc. of IEEE/RSJ International Conference on Intelligent Robots and Systems, 7660-7666, 2018.

Satonori Demura, Yaqiang Mo, Kotaro Nagahama, Kimitoshi Yamazaki
A trajectory modification method for tool operation based on human demonstration using MITATE technique.

Proc. of IEEE International Conference on Robotics and Biomimetics, 1915-1920, 2018.

Kimitoshi Yamazaki, Taichi Higashide, Daisuke Tanaka, Kotaro Nagahama

Assembly manipulation understanding based on 3d object pose estimation and human motion estimation. Proc. of IEEE International Conference on Robotics and Biomimetics, 802-807, 2018.

Satonori Demura, Kazuki Sano, Wataru Nakajima, Kotaro Nagahama, Keisuke Takeshita, Kimitoshi Yamazaki

Picking up one of the folded and stacked towels by a single arm robot. Proc. of IEEE International Conference on Robotics and Biomimetics, 1551-1556, 2018.

Takashi Yoshida, Takashi Watanabe

Active control using moving bottom wall applied to open cavity self-sustained oscillation with mode switching. Proc. ECFD7, 1-11, 2018.

建築学科

C. Mishra, K. Yamaguchi, Y. Endo, T. Hanazato

Mechanical Properties of Components of Nepalese Historical Masonry Buildings. Proceedings of International Exchange and Innovation Conference on Engineering & Sciences (IEICES). 4, 118-123, 2018-10-18. Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, 2018.

Y. Endo, T. Hanazato

Seismic behaviour of a historic five-tiered pagoda in Nepal. SAHC2018 11th International Conference on Structural Analysis of Historical Constructions. Lima, Peru, 8pages, 2018.

Sihwan Lee

Numerical study on energy loss through door open while air conditioner running. Roomvent and Ventilation 2018, Finland, 553-558, 2018. 6.

Takuya Kishi, Sihwan Lee, Yoshiharu Asano

Applicability of the whole-house air conditioning system in cold district. 15th International Conference of Asia Institute of Urban Environment, Korea, A-1, 31-36, 2018. 6.

Masanori Hirasawa, Sihwan Lee, Yoshiharu Asano

Operation improvement of heat source system at education/research facility. 15th International Conference of Asia Institute of Urban Environment, Korea, A-1, 43-48, 2018. 6.

Kotaro SUMIDA, Hiroshi ISODA, Masahiro MATSUDA, Kokoro YOSHIDA

Experimental Seismic Response of a Full-Scale Japanese Conventional Wooden Post and Beam Building. 15th World Conference on Timber Engineering WCTE2018, 2018.

工学基礎部門

Ryutaro Kobayashi, Pauline N. Kawamoto

On the development of a customizable crowd sensing system for public spaces using IoT cloud services. Proc. 2018 IEEE International Congress on Internet of Things, 176-179, 2018.

Yukiya Kimura, Pauline N. Kawamoto

Gamifying the element of forgetting in e-learning systems. Proc. IEEE International Conference on Teaching, Assessment and Learning for Engineering 2018, 321-324, 2018.

特任教授

Tashiro Kunisiha, Hiroyuki Wakiwaka, Kaiko Minakata, Toichiro Kimura, Yoshihiro Nakamura
A Novel Eddy Current Method for Magnetic Plate Identification with Elimination of Lift-Off Effect. Proceedings of APSAEM 2018, 5-6, 2018.

Norihiro Sato, Taichiro Sumi, Makoto Sonehara, Toshiro Sato, Hiroyuki Wakiwaka, Yoshimi Kikuchi
Fundamental Study on Eddy Current Braking Using DC/AC Excitaion Methods for Regional Jets. Proceedings of APSAEM 2018, 30, 31, 2018.

Fairul Azhar, Mohd Nasir N. A, Aqilah. F, Firdaus R. N, Tashiro. K, Wakiwaka. H
Performance Comparison of Permanent Magnet Linear Generator Under 15s14p and 15s16p Configuration. Proceedings of APSAEM 2018, 38, 39, 2018.

Taichiro Sumi, Norihiro Sato, Makoto Sonehara, Toshiro Sato, Hiroyuki Wakiwaka, Yoshimi Kikuchi
Fundamental Study on Magnetorheological Fluid Brakes for Regional Jets. Proceedings of APSAEM 2018, 84, 85, 2018.

Kaiko Minakata, Kunihisa Tashiro, Hiroyuki Wakiwaka, Kazuki Kobayashi, Norhisam Misrom,
Nor Aziana Aliteh, Hirokazu Nagata
Proposal of Fruit Battery Method for Estimating Oil Palm Ripeness. Proceedings of 12th International Conference on Sensing Technology (ICST), 399-402, 2018.

３．総説・解説・展望等

物質化学科

新井　進
カーボンナノチューブ複合めっき．溶接学会誌，87，6，34-39，2018.

手嶋勝弥，鈴木清香，大石修治，是津信行
フラックス法×大型結晶粒子が導く材料フロンティア．セラミックス，53，12，865-868，2018.

手嶋勝弥，是津信行
カーボンナノチューブを用いたバインダーフリー電極形成技術～リチウムイオン二次電池の高エネルギー化&高出力化の実現～．セラミックデータブック，46，100，74-77，2018.

手嶋勝弥，林　文隆，簾　智仁，是津信行
フラックス育成結晶を活用した浄水デバイスの提案～水をキレイにする化学に挑む～．化学工業，69，12，917-922，2018.

手嶋勝弥，林　文隆，山田哲也，鈴木清香，簾　智仁，大石修治，是津信行
信大クリスタル×NaTiO～水をキレイにする化学～．会報サン（長野県産業環境保全協会），47，7-13，2019.

手嶋勝弥
次世代デバイス応用を目指したフラックス結晶成長技術．応用物理，88，3，166-172，2019.

錦織広昌
色素分散チタニア電極の光電変換特性．光化学，49，1，17-23，2018.

錦織広昌，新里光矢
色素分散チタニアゲルにおける色素分子のナノ粒子表面との相互作用と蛍光特性．Bull. Jpn. Soc. Coord. Chem., 72, 30-37, 2018.

錦織広昌