

著書

論文

1. Herman Tolle, Aryo Pinandto, Eric Muhamad, Adans J., Kohei Arai, Virtual reality game controlled with user's head and body movement detection using smartphone sensors, Asian Research Publishing Network: ARPN Journal of Engineering and Applied Sciences, 10, 20, 9776-9782, 2015, ISBN1819-6608.
2. Kohei Arai, Takashi Higuchi, Tetsuya Murakami, Estimation Method of the Total Number of Wild Animals based on Modified Jolly's Method, International Journal of Advanced Computer Science and Applications, 8, 1, 341-346, 2017.
3. Kohei Arai, Prediction method for large diatom appearance with meteorological data and MODIS derived turbidity and chlorophyll-a in Ariake bay area in Japan, International Journal of Advanced Computer Science and Applications, 8, 3, 39-44, 2017.
4. Kohei Arai, Taiki Ishigaki, Mariko Oda, Spatial comprehension exercise system with 3D CG of toy model for disable children, IJACSA, 8, 4, 189-194, 2017.
5. Kohei Arai, Kohya Iwamura, Line of sight estimation accuracy improvement using depth image and ellipsoidal model of cornea curvature, IJACSA, 8, 5, 549-556, 2017.
6. Osamu Fukuda, Yuta Takahashi, Nan Bu, Hiroshi Okumura, Kohei Arai, Development of an IoT-based prosthetic control system, Journal of Robotics and Mechatronics, 29, 6, 1049-1056, 2017.
7. Iqbal Ahmed, Hiroshi Okumura, Kohei Arai, Osamu Fukuda, Sustainable green SLA(GSLA) validation using Bayesian network model, IJACSA, 8, 5, 208-215, 2017.
8. Akira Ono, Kohei Arai, Radiometric Calibration of Optical Sensors Onboard Satellites, Journal of Remote Sensing Society of Japan, 37, 4, 375-384, 2017.
9. Kohei Arai, Takuto Konishi, Hearing aid method by equalizing frequency response of phoneme extracted from human voice, IJACSA, 8, 7, 88-93, 2017.
10. Kohei Arai, Narumi Suzaki, Iqbal Ahmed, Osamu Fukuda, Hiroshi Okumura, Kenji Endo, Kenichi Yamashita, Method for Productive Cattle Finding with Estrus Cycle Estimated with BCS and Parity Number and Hormone Treatments based on a Regressive Analysis, IJACSA, 8, 9, 191-196, 2017
11. Kohei Arai, Tsunami warning system with sea surface features derived from altimeter onboard satellites, IJACSA, 8, 11, 582-587, 2017.
12. Kohei Arai, New service robot controlled by human eye which allows patients in hospitals self-services remotely, Austin Journal of Robotics & Automation, 3, 1, 1-7, ISSN 2471-0407, 2017.

査読付きコンファレンス論文

1. Yoshinori Bando, Nan Bu, Osamu Fukuda, Hiroshi Okumura, Kohei Arai, Object classification using a deep convolutional neural network and its application to myoelectric hand control, Proceedings of the International Symposium on Artificial Life and Robotics (AROB2017), GS12, 2017.
2. Taiki Ishigaki, Mariko Oda, Kohei Arai, Learning content for improvement of spatula comprehension capability with 3D CG toy model for disable children, Proceedings of the 3rd ADADA Conference of the Asian Society of Digital Art and Design, at the Kurume Institute Technology, 2017.
3. Osamu Uchino, Isamu Morino, Tetsu Sakai, Toshiharu Izumi, Tomohiro Nagai, Takashi Shibata, Hiroshi Okumura, Kohei Arai, Ben Liloy, Dave Pollard, Gerry Bagtasa, Lidar observation at TCCON site to investigate the influence of particles for GOSAT data, Proceedings of the IWGGMS 13, at Helsinki, Finland, 2017.
4. Kohei Arai, Human-Computer Interaction: HCI Next Generation, Proceedings of the ITNG 2017 (Keynote speech), 2017.
5. Asuka Noda, Osamu Fukuda, Hiroshi Okumura, Kohei Arai, Behavior analysis of a small animal using IoT sensor system, Proceedings of the ICIIBMS 2017, Artificial Intelligence, Robotics and Human-Computer Interaction, at Okinawa, 2017.
6. Mitsuki Doi, Osamu Fukuda, Hiroshi Okumura, Kohei Arai, Consultation sales system with a communication robot, Proceedings of the ICIIBMS 2017, Artificial Intelligence, Robotics and Human-Computer Interaction, at Okinawa, 2017.
7. Kohei Arai, Diatom monitoring from space, Proceedings of the SAI Computing Conference, in London, 2017.
8. Kohei Arai, AR based intelligent Learning content for physics, Proceedings of the SAI Intelligent Systems Conference, in London, 2017.
9. Kohei Arai, Phytoplankton identification with microscopic images using shape feature extracted by wavelet descriptor, Proceedings of the RIMS Joint Research Workshop of the Advanced Innovation Powered by Mathematics Platform, Signal analysis and time-frequency analysis, at Kyoto University, 2017.
10. Kohei Arai, Bigdata Platform for agricultural field monitoring and environmental monitoring, Proceedings of the 4th LISAT Symposium (Invited Speech), p.37, 2017.
11. Kohei Arai, Hiroshi Okumura, Shogo Kajiki, Disaster relief with satellite based synthetic aperture radar data, Proceedings of the SAI Future Technology Conference 2017, No.521, 1026-1029, at Vancouver, 2017.
12. Kohei Arai, Plankton of microscopic image recognition based on shape representation by wavelet descriptor, Proceedings of the Wavelet Theory and Applications to Engineering Workshop, A106, at Osaka University of Education, 2017.

