Best Presentation Award

Session A1
Loading Force Prediction for Fish Vertebrae Based on Topology Optimization and Deep Learning
Longsen Yang[1], Misaki Sakashita[2], Shintaro Yamasaki[1] ([1]Waseda University, [2]Tokyo University of Science)

Session A2
Multi-modal Demand Side Management in Microgrid System via Improved Particle Swarm Optimization
Sicheng Hou, Shigeru Fujimura (Waseda University)

Session A3
Attention Mechanism-based Deep Reinforcement Learning for Dynamic Job-Shop Scheduling
Goytom Gebreyesus, Getu Fellek, Ahmed Farid, Shigeru Fujimura, Osamu Yoshie (Waseda University)

Session B1
Measurement of ultrahigh dense Fe emission lines by a spectrometer without coma aberration in the 170-600 nm spectral region
Liang-Yao Chen[2], Chu Li[2], Osamu Yoshie[1] ([1]Waseda University, [2]Fudan University)

Session B2
An image Deblurring Algorithm based on the Diffusion Model
Liang Xu, Yifeng Zhang (Southeast University)

Session B3
Design of a product-sum photonic circuit based on micro-ring modulators and semiconductor optical amplifiers
Toshinori Ninomiya, Kiyoto Takahata (Waseda University)

Session C1
Soft Magnetic Sensor with High Precision Multi-directional Force Detection Capability
Pinzhen Chen, Shenshun Duan, Fangzhi Zhao, Qiongfeng Shi, Jun Wu (Southeast University)

Session C2
Decentralized Bitcoin Mixing Scheme with Zero Knowledge Privacy Preserving
Xijian Xu, Jun Wu (Waseda University)

Session D1
Fabrication of Ultra-Low Resonance Frequency Inertial MEMS Using Through-Silicon Deep-RIE Applied To Silicon-on-Glass
Jun Wu, Hui Zhang, Tamio Ikehashi (Waseda University)

Session D2
Simulated Lidar Operator Loop Closure Method for Visual SLAM
Junyi Yuan[1], Kaoru Hirota[2], Yaping Dai[1] ([1]Beijing Institute of Technology, [2]Tokyo Institute of Technology)

Session W1
Optimal Logistics Distribution Algorithm for Autonomous Delivery for Local Logistics Hub System
Yeong-Ho Ha, Seong-Min Kim, Hyun-Seo Jang, Young-Eun Song (Korea University)

Session W2
Computer vision based surface defect inspection of injection molded products
Hee Min Noh, Pyeon MinJi, Chang Hyun Lee, Hun Kee Kim (Inha University)

Encouragement Award

Session A2
An Integrated Longitudinal and Lateral Following Control for Connected and Automated Vehicle Platooning
Libo Sun, Yanzheng Wu, Wenhu Qin   (Southeast University)

Session B1
An Improved Linear Active Disturbance Controller with Application in a CSTR Process
Xun Chen, Jiahui Xu, Dazi Li   (Beijing University of Chemical Technology)

Session B2
More meaningful patches for Vision Transformer using Convolutional Sparse Representation
Yudai Inada, Yuto Tsukiashi, Yoshimitsu Kuroki   (National Institute of Technology, Kurume College)

Session C2
Meta Reinforcement Learning based Fast-Adaptation of Joint User Scheduling and Task Offloading for Industrial IoT
Hansong Xu[1], Qianqian Pan[2], Xing Liu[3]   ([1]Shanghai Jiao Tong University, [2]The University of Tokyo, [3]Sam Houston State University)