Talk	Session	Authors	Title
S11	Intelligent Transport Systems	Ryohei Sawada	Automatic Collision Avoidance Using Deep Reinforcement Learning with Grid Sensor
S12	Intelligent Transport Systems	Sho Iwata and Keiji Suzuki	Two way allocation methods in SAVS for large depopulated area
S13	Intelligent Transport Systems	Shunsuke Hatadani, Yuki Ohira, Akira Ishii and Yasuko Kawahata	Proposal of mathematical model of prediction of human movement using position information
S14	Intelligent Transport Systems	Mio Hosoe and Masashi Kuwano	Public transport smart card data analysis using tucker decomposition
S21	Machine Learning & Neural Networks	Mizuki Kambe, Soichiro Yokoyama, Tomohisa Yamashita and Hidenori Kawamura	Estimating impressions for clothing, landscape, and indoor images using CNN
S22	Machine Learning & Neural Networks	Kundo Lee and Tomoki Hamagami	Block-Based Neural Network High Speed Optimization
S23	Machine Learning & Neural Networks	Xin Li and Tomoki Hamagami	An Improved Auto-encoder Based on 2-level Prioritized Experience Replay for High Dimension Skewed Data
S31	Machine Learning & Neural Networks	Shota Ikawa and Yuji Sato	Multi-Task Learning Using Online Fine-Tuning Considering the Importance of Each Filter
S32	Machine Learning & Neural Networks	Xiaotong Nie, Motoaki Hiraga and Kazuhiro Ohkura	Visualizing Deep Q-Learning to Understanding Behavior of Swarm Robotic System
S33	Machine Learning & Neural Networks	Ekasit Phermphoonphiphat, Tomohiko Tomita, Masayuki Numao and Ken-Ichi Fukui	A Study of Upper Tropospheric Circulations over the Northern Hemisphere Prediction Using Multivariate Features by ConvLSTM
S34	Machine Learning & Neural Networks	Naoya Horio, Masao Kubo and Hiroshi Sato	Learning localization skills of soccer robot using by simulated omni-vision camera
S41	Data Science and Decision Analytics	Yasuko Kawahata	Examination of analysis method of opinion distribution in News media transferred on Web
S42	Data Science and Decision Analytics	Yasuko Kawahata	Examination of analysis method of opinion distribution in video media related to social life on Web
S43	Data Science and Decision Analytics	Yasuko Kawahata	Quantitative consideration of spatio-temporal information on education and culture in Japan using telephone directory archive data
S44	Data Science and Decision Analytics	Yasuko Kawahata	Examination of analysis method of urban resilience based on temporal and spatial archive information before and after disaster -Perspective of SDGs-
S45	Data Science and Decision Analytics	Takayuki Mizuno, Takaaki Ohnishi and Tsutomu Watanabe	Detecting stock market bubbles based on the cross-sectional dispersion of stock prices
S51	Evolutionary and Nature Inspired computation	Saori Iwanaga, Hajime Yoshida and Shigenori Kinjo	Feasibility Study on Multi Agent Simulation of Seasonal Influenza Epidemic in Closed Space
S52	Evolutionary and Nature Inspired computation	Ryota Kobayashi, Ryo Takano, Hiroyuki Sato and Keiki Takadama	Simultaneous Local Adaptation for Different Local Properties
S53	Evolutionary and Nature Inspired computation	Hiroshi Sato	Evaluation of Search Performance of Evolutionary Computation by Transfer Entropy
S61	Agents and Complex Systems	Nozomi Okano and Akira Ishii	Sociophysics approach of simulation of charismatic person and distrusted people in society using opinion dynamics
S62	Agents and Complex Systems	Yohei Okugawa, Masao Kubo and Hiroshi Sato	Footstep Analysis for the Military Parade
S63	Agents and Complex Systems	Akira Ishii and Daiki Nishiyama	Sociophysics theory for conflict of viewer rating on television program
S64	Agents and Complex Systems	Kazuto Sasai, Kazuya Kobayashi and Tetsuo Kinoshita	Augmented Interaction Mechanism for Physically Consistent Collaboration Between Humans and Intelligent Agents in Network Management