

Poster Presentation List

***Numbers in parentheses are your poster number.**

Poster session 1 (Thu, Oct. 25 16:10~18:00)

[15:20~16:10 Poster flash talk]

PaperID-5

(P1-1): Comparison of Network-Level Fluctuations in Modeled and Empirical Human Brain Functional Connectivity
Makoto Fukushima (NICT)*; Olaf Sporns (Indiana University)

PaperID-7

(P1-2): Leveraging Uncertainty to Robustify Deep Learning Algorithms
Matthew J Holland (Osaka University)*

PaperID-8

(P1-3): Data Combination for Landslide Detection Using Convolutional Neural Network from Single-polarization SAR Images after Disaster
Ryuta Katsuki (Yamaguchi University)*; Toshikazu Samura (Yamaguchi University)

PaperID-10

(P1-4): Adaptive Detrending for Accelerating the Training of Convolutional Recurrent Neural Networks
Minju Jung (Korea Advanced Institute of Science and Technology); Jun Tani (Okinawa Institute of Science and Technology)*

PaperID-11

(P1-5): An Investigation of Incremental Learning as a Temporal Feature Extraction
Shoya Matsumori (Keio University)*; Yuki Abe (Keio University); Masahiko Osawa (Keio University / Dwango AI Laboratory); Michita Imai (Keio University)

PaperID-12

(P1-6): Multisensory Control: Behavioural and Neural Interactions
Wen Wen (University College London)*; Patrick Haggard (University College London)

PaperID-13

(P1-7): Improving Exploration in Reinforcement Learning with Temporally Correlated Stochasticity
Dongqi Han (Okinawa Institute of Science and Technology)*

PaperID-14

(P1-8): Development of a Monkey-Scale Artificial Cerebellum with Online Learning Capability and its simulation on Supercomputer Gyoukou
Wataru Furusho (The University of Electro-Communications)*; Tadashi Yamazaki (The University of Electro-Communications)

PaperID-15

(P1-9): Looking at Internal Network Representations: An Indicator for Generalization Capability
Anja Philippsen (National Institute of Information and Communications Technology (NICT))*; Yukie Nagai (National Institute of Information and Communications Technology)

PaperID-16

(P1-10): High-Performance Simulation of a Cerebellar Network Model using Monet Simulator on K Computer
Tadashi Yamazaki (The University of Electro-Communications); Hiroshi Yamaura (The University of Electro-Communications)*; Jun Igarashi (RIKEN)

PaperID-17

(P1-11): Dynamic NOOP Insertion Improves Performance of Pre-trained Deep Reinforcement Learning Model
Takuma Seno (Keio University)*; Masahiko Osawa (Keio University / Dwango AI Laboratory); Michita Imai (Keio University)

PaperID-18

(P1-12): A Computational Model for Accurate Movements in the Cerebellum

Hiroshi Yamaura (The University of Electro-Communications)*; Tadashi Yamazaki (The University of Electro-Communications)

PaperID-19

(P1-13): Image Generation from Sound using a Multimodal Feature and GAN

JEONGHYUN LYU (Center for Information and Neural Networks (CiNet), National Institute of Information and Communications Technology (NICT))*; Kaoru Amano (Center for Information and Neural Networks (CiNet), National Institute of Information and Communications Technology (NICT)); Takashi Shinozaki (NICT CiNet)

PaperID-20

(P1-14): Reservoir Computing with Coupled Stuart-Landau Oscillators

Shouya Nakajima (Future University Hakodate)*; Yuichi Katori (Future University Hakodate/The University of Tokyo)

PaperID-21

(P1-15): Empirical Mode Decomposition for Improved EEG Signal Classification with Convolutional Neural Network in Brain-Computer Interface Experiments

Kahoko Takahashi (Yokohama City University)*; Zhe Sun (RIKEN Brain Science Institute), Jordi Sol-Casals (University of Vic - Central University of Catalonia); Andrzej Cichocki (Skolkowo Institute of Science and Technology), Anh Huy Phan (Skolkowo Institute of Science and Technology); Ruggero Micheletto (Yokohama City University)

PaperID-22

(P1-16): Sensitivities of Walking Speed Adjustment and Self-motion Velocity Perception Commonly Decrease for Dense Optic Flow

Shinya Takamuku (NTT communication science labs.)*; Hiroaki Gomi (NTT communication science labs.)

PaperID-23

(P1-17): An Inquiry into Experience Replay Sampling in Deep Reinforcement Learning

Renzo Tan (Ateneo de Manila University); Nishanth Koganti (Nara Institute of Science and Technology)*; Kazushi Ikeda (Nara Institute of Science and Technology)

PaperID-25

(P1-18): Computational Modeling of Spontaneous Firing Patterns Generated by Single Autaptic Neurons

Kouhei K Hattori (Waseda University)*; Takeshi Hayakawa (Tohoku University); Akira Nakanishi (Waseda University); Mihoko Ishida (Waseda University); Hideaki Yamamoto (Tohoku University); Ayumi Hirano-Iwata (Tohoku University); Takashi Tanii (Waseda University)

PaperID-26

(P1-19): Transition between Periodic Orbits and Fixed Points in Dynamic Binary Neural Networks

Yuki Kawamura (Hosei University)*; Syunsuke Aoki (Hosei University); Toshimichi Saito (Hosei University)

PaperID-28

(P1-20): Initial Constraint on Structure of Recurrent Neural Network for Improvement of Time Series Prediction

Tomohiro Fusauchi (Yamaguchi University)*; Toshikazu Samura (Yamaguchi University)

PaperID-31

(P1-21): Perception of Synchronization between Music and Body Movements in Radio Calisthenics

Akira Takehana (The University of Electro-Communications)*; Tsukasa Uehara (University of Electro-Communications); Yutaka Sakaguchi (University of Electro-Communications)

PaperID-32

(P1-22): Simulation Study of Bipedal Locomotion using Motor Modules

Daisuke Ichimura (The University of Electro-Communications)*; Tadashi Yamazaki (The University of Electro-Communications)

PaperID-33

(P1-23): Temporal Relationship between Music and Body Movement in Radio Calisthenics

Tsukasa Uehara (University of Electro-Communications)*; Akira Takehana (The University of Electro-Communications); Yutaka Sakaguchi (University of Electro-Communications)

PaperID-34

(P1-24): A Simple Learning Algorithm of 3-Layer Dynamic Binary Neural Networks

Seitaro Koyama (HOSEI University)*; Shunsuke Aoki (HOSEI University); Toshimichi Saito (HOSEI University)

PaperID-35

(P1-25): A Control Hierarchy Inspired by the Spinal Cord to Exploit Self-Organizing Motion Primitives for Purposeful Trajectory Generation

Benedikt Feldotto (Technical University of Munich)*; Markus Orpana (University of Glasgow); Alois Knoll (Robotics and Embedded Systems)

PaperID-39

(P1-26): Influence of the moving virtual sound presentation on the auditory Brain-Computer Interface

Yuki Onodera (Nagaoka University of Technology)*; Isao Nambu (Nagaoka University of Technology); Yasuhiro Wada (Nagaoka University of Technology)

PaperID-40

(P1-27): Decoding the Movement Difficulty from Electroencephalogram before Arm Movements

Tomoki Semoto (Nagaoka University of Technology)*; Isao Nambu (Nagaoka University of Technology); Yasuhiro Wada (Nagaoka University of Technology)

PaperID-41

(P1-28): Generation of Artificial fNIRS Data using Generative Adversarial Networks

Tomoyuki Nagasawa (Nagaoka University of Technology)*; Takanori Sato (Nagaoka University of Technology); Isao Nambu (Nagaoka University of Technology); Yasuhiro Wada (Nagaoka University of Technology)

PaperID-42

(P1-29): Convolutional Auto-encoder for Resting-state Functional MRI

Yuki Hashimoto (The University of Tokyo)*; Yuichi Yamashita (National Center of Neurology and Psychiatry)

PaperID-43

(P1-30): Emulation Learning from Pioneers

Moto Shinriki (Tokyo Denki University)*; Yu Kono (Tokyo Denki University); Tatsuji Takahashi (Tokyo Denki University)

PaperID-44

(P1-31): Deep Q-network regularized by Adversarial Examples

Wataru Sasaki (Kyoto University)*; Yuji Yasui (Honda R&D Co. Ltd); Kosuke Nakanishi (Honda R&D Co. Ltd) Shin Ishii (Kyoto University)

PaperID-46

(P1-32): A Hippocampal Model of Rapid Statistical Learning

Masataka Nakayama (Carnegie Mellon University)*; David C. Plaut (Carnegie Mellon University)

PaperID-48

(P1-33): Exploring Precursors of Parkinson's Disease by Characterizing Dynamic Postural Balance in Center-of-Pressure Time Series

Takuma Torii (JAIST)*; Shohei Hidaka (JAIST); Tsutomu Fujinami (JAIST)

PaperID-49

(P1-34): Can Readers Recognize Unit of Summarization for Reading?: An Analysis of Text Segmentation Task

Miho Fuyama (Japan Advanced Institute of Science and Technology)*; Shohei Hidaka (Japan Advanced Institute of Science and Technology)

PaperID-92

(P1-35): Visualization Method of Data-Sources' Viewpoint from Datasets Obtained by Various Data-Sources
Hideaki Ishibashi (The Institute of Statistical Mathematics)*

[Oral Session 1] *no flash talk required

PaperID-9

(O1-1): Characteristic Whisker Movements Reflect the Internal State of Mice Related to Reward Anticipation
Kota Mizutani (Osaka University, Nagoya University)*; Junpei Ozaki (Nara Institute of Science and Technology);
Junichiro Yoshimoto (Nara Institute of Science and Technology); Takayuki Yamashita (Nagoya University)

PaperID-30

(O1-2): Humans Achieve Bayesian Optimality in Controlling Risk-Return Tradeoff of Coincident Timing Task
Qirui Yao (University of Electro-Communications)*; Yutaka Sakaguchi (University of Electro-Communications)

PaperID-37

(O1-3): Estimating synaptic connections from parallel spike trains
Ryota Kobayashi (National Institute of Informatics)*; Shuhei Kurita (Kyoto University); Masanori Kitano (Ritsumeikan University); Kenji Mizuseki (Osaka City University); Barry J. Richmond (NIMH/NIH/DHHS); Shigeru Shinomoto (Kyoto University)

PaperID-45

(O1-4): Explaining Behavioral Data of Visual Material Discrimination with a Neural Network for Natural Image Recognition
Takuya Koumura (NTT Communication Science Laboratories)*; Masataka Sawayama (NTT Communication Science Laboratories); Shin'ya Nishida (NTT Communication Science Laboratories)

[Oral Session 3] *no flash talk required

PaperID-24

(O3-1): Observation and Analyses of the Dynamics of the Whole Head Nervous System in *C. elegans*
Yuichi Iino (The University of Tokyo)*; Yu Toyoshima (The University of Tokyo); Stephen Wu (The Institute of Statistical Mathematics); Yuishi Iwasaki (Ibaraki University); Ryo Yoshida (The Institute of Statistical Mathematics); Hirofumi Sato (The University of Tokyo); Moon-Sun Jang (The University of Tokyo); Manami Kanamori (The University of Tokyo); Suzu Oe (Kyushu University); Yuko Murakami (Kyushu University); Takayuki Teramoto (Kyushu University); Takeshi Ishihara (Kyushu University)

PaperID-36

(O3-2): Multisensory Integration in the HBP Neurorobotics Platform
Florian Walter (Technical University of Munich)*; Fabrice O. Morin (Technical University of Munich); Alois Knoll (Robotics and Embedded Systems)

[Symposium 1] *no flash talk required

PaperID-101

(S1-3): Multimodal Categorization via Deep Neural Networks
Takayuki Nagai (The University of Electro-Communications)*; Tatsuya Aoki (The University of Electro-communications)

[Symposium 2] *no flash talk required

PaperID-29

(S2-4): Do top-down predictions of time series lead to sparse disentanglement?
Kosuke Miyoshi (Dwango Artificial Intelligence Laboratory, narrative nights inc.)*; Naoya Arakawa (The Whole Brain Architecture Initiative); Hiroshi Yamakawa (Dwango)

PaperID-38

(S2-5): Visualization of Morphism Tuples of Equivalence Structures
Seiya Satoh (National Institute of Advanced Industrial Science and Technology)*; Hiroshi Yamakawa (Dwango)

Poster session 2 (Fri, Oct. 26 16:40~18:40)

[15:50~16:40 Poster flash talk]

PaperID-47

(P2-1): Unsupervised Area Segmentation of Mouse Auditory Cortex based on Responses to Naturalistic Complex Sounds
Hiroki Terashima (NTT Communication Science Laboratories)*; Hiroaki Tsukano (Niigata University); Shigeto Furukawa (NTT Communication Science Laboratories)

PaperID-50

(P2-2): Hierarchical Network Model of Auditory Information Processing using Dynamical Predictive Coding and Non-negative Matrix Factorization
Kanata Ara (Future University Hakodate)*; Yuichi Katori (Future University Hakodate/The University of Tokyo)

PaperID-52

(P2-3): A Virtual Laser Scanning Photostimulation Experiment of the Primary Somatosensory Cortex
Zhe Sun (RIKEN)*; Jun Igarashi (RIKEN)

PaperID-53

(P2-4): MNet: Deep neural network for automatic diagnosis of neurological diseases using raw MEG signals
Jo Aoe (Osaka University)* Ryohei Fukuma (Osaka University Graduate School of Medicine); Takufumi Yanagisawa* (Osaka University/ Osaka University Graduate School of Medicine/ JST PRESTO); Tatsuya Harada (The University of Tokyo/ RIKEN)*; Masataka Tanaka (Osaka University Graduate School of Medicine); Maki Kobayashi (Osaka University Graduate School of Medicine); You Inoue (Osaka University Graduate School of Medicine); Shota Yamamoto (Osaka University Graduate School of Medicine), Yuichiro Onishi (Osaka University Graduate School of Medicine) Haruhiko Kishima (Osaka University Graduate School of Medicine)

PaperID-54

(P2-5): Biologically Plausible Learning Method with Minimizing Gap of Local Energy in Asymmetric Neural Network
Futa Tomita (Osaka University)*; Jun-nosuke Teramae (Osaka University); Naoki Wakamiya (Osaka University)

PaperID-55

(P2-6): Classification based on Neural Connectivity Analysis in a Motor Imaginary Task
Haruo Mizutani (Bond University)*; Irini Giannopulu (Bond University)

PaperID-56

(P2-7): Improving Analogical Inference Using Vector Operations with Adaptive Weights
Tatsuhiko Kato (Japan Advanced Institute of Science and Technology)*; Shohei Hidaka ((Japan Advanced Institute of Science and Technology)

PaperID-57

(P2-8): A Study on EEG Analysis by the Ordering ICA Algorithm
Yoshitatsu Matsuda (The University of Tokyo)*; Kazunori Yamaguchi (The University of Tokyo)

PaperID-59

(P2-9): An Analysis of Human Gaze Data for Autonomous Medical Image Diagnostics
Abdul Rahman Abdul Ghani (The University of Tokyo)*; Nishanth Koganti (Nara Institute of Science and Technology); Ai Nakajima (The University of Tokyo); Nisei Kimura (The University of Tokyo); patrick radkohl (The University of Tokyo); Satoshi Iwai (The University of Tokyo); Yoshimasa Kawazoe (The University of Tokyo); Yusuke Iwasawa (); Kotaro Nakayama (The University of Tokyo); Yutaka Matsuo (The University of Tokyo)

PaperID-60

(P2-10): Convolutional Layers Based on Dynamic Neurons
Toshiteru Homma (Yamagata1)*

PaperID-61

(P2-11): Monkey Features Location Identification using Convolutional Neural Networks
Rollyn Labuguen (Kyushu Institute of Technology)*; Vishal Gaurav (Kyushu Institute of Technology); Salvador Negrete Blanco (Kyushu Institute of Technology); Tomohiro Shibata (Kyushu Institute of Technology); Jumpei Matsumoto (University of Toyama); Kenichi Inoue (Kyoto University)

PaperID-62

(P2-12): Generating Goal-directed Visuomotor Plans with Supervised Learning using a Predictive Coding Deep Visuomotor Recurrent Neural Network
Takazumi Matsumoto (Okinawa Institute of Science and Technology)*; Minkyu Choi (Okinawa Institute of Science and Technology); Minju Jung (Korea Advanced Institute of Science and Technology); Jun Tani (Okinawa Institute of Science and Technology Graduate University)

PaperID-63

(P2-13): Inactivation of the Isthmo-Optic Neurons Impairs Visuomotor Transformation for Proper Target Orienting
Hiroyuki Uchiyama (Kagoshima University)*; Hiroshi Ohno (Kagoshima University); Takuto Kawasaki (Kagoshima University); Yuhki Ohwatari; (Kagoshima University); Takahiro Narimatsu; (Kagoshima University); Yusaku Miyanagi (Kagoshima University)

PaperID-64

(P2-14): Restriction of Cerebral Cortical Surface Size by Geometry-Induced Splitting of Traveling Wave Front
Kazuya Horibe (Osaka University)*; Ken-ichi Hironaka (University of Tokyo); Katsuyoshi Matsushita (Osaka University); Koichi Fujimoto (Osaka University)

PaperID-67

(P2-15): Detection of Task-Relevant and Task-Irrelevant Motion Sequences: Application to Motor Adaptation in Whole- Body Movements
Ken Takiyama (Tokyo University of Agriculture and Technology)*; Daisuke Furuki (Tokyo University of Agriculture and Technology)

PaperID-68

(P2-16): Reinforcement Learning for Visual Attention with Scalable Size of Attentional Field
Yutaro Murata (Osaka University)*; Jun-nosuke Teramae (Kyoto University); Naoki Wakamiya (Osaka University)

PaperID-69

(P2-17): Validity of the Flat Minima Approach to Understand Generalization of Deep Learning
Tsuyoshi Tatsukawa (Osaka University)* Jun-nosuke Teramae (Kyoto University); Naoki Wakamiya (Osaka University)

PaperID-70

(P2-18): Neural Network that Learns Sequential Processing and Predicts by the Context
Seisuke Yanagawa (OptiD)*

PaperID-71

(P2-19): On the Neuromorphic 3D Devices for Locally-Connected Convolutional Neural Network
Paniti Achararit (Tokyo Institute of Technology)*; Itaru Hida (Hokkaido University); Tetsuya Asai (Hokkaido University); Yuko Hara-Azumi (Tokyo Institute of Technology)

PaperID-72

(P2-20): A Narrative Analysis Focusing on Personality for Logical Reasoning in Logic
Momoka Fujieda (Kyushu Institute of Technology)*; Hiroaki Wagatsuma (Kyushu Institute of Technology)

PaperID-73

(P2-21): Decode of Visual Stimulus in Semantic Space based on Electro-corticography Signals
Ryohei Fukuma (Osaka University)*; Takufumi Yanagisawa (Osaka University); Shinji Nishimoto (Center for Information and Neural Networks (CiNet), National Institute of Information and Communications Technology); Masataka Tanaka (Osaka University); Shota Yamamoto (Osaka University); Satoru Oshino (Osaka University); Yukiyasu Kamitani (ATR Computational Neuroscience Laboratories); Haruhiko Kishima (Osaka University)

PaperID-74

(P2-22): Online Reinforcement Learning Using a Spiking Neuron Network Model of the Basal Ganglia
Hideyuki Yoshimura (The University of Electro-Communications)*; Tadashi Yamazaki (The University of Electro-Communications)

PaperID-76

(P2-23): How We Treat Logical Rules to Solve Puzzles: A Semantic Web Approach for Bongard Problems
JISHA MANIAMMA (Kyushu Institute of Technology)*; Hiroaki Wagatsuma (Kyushu Institute of Technology)

PaperID-77

(P2-24): A Hippocampal Spiking Neural Network Model for Path-Dependent Place Cells
Masashi Kawauchi (Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology)*;
Kensuke Takada (Kyushu Institute of Technology); Katsumi Tateno (Kyushu Institute of Technology); Takashi Morie
(Kyushu Institute of Technology)

PaperID-78

(P2-25): Neural Implementation and Evolutionary Simulation of Building Hierarchical Structure
Genta Toya (Japan Advanced Institute of Science and Technology)*; Rie Asano (University of Cologne); Takashi
Hashimoto (JAIST)

PaperID-80

(P2-26): Efficient Encoding of Multi-dimensional Time Series Data with Reservoir Computing
Masumi Kaneko (Future University Hakodate)*; Yuichi Katori (Future University Hakodate/The University of Tokyo)

PaperID-81

(P2-27): Swap Kernel Regression
Masaharu Yamamoto (Chubu University)*; Koichiro Yamauchi (Chubu University)

PaperID-82

(P2-28): Considering a Haiku Generation Process Using Deep Learning
Jumpei Ono (Vocational School of Digital Arts Sendai)*; Takuya Ito (Iwate Prefectural University); Takashi Ogata
(Iwate Prefectural University)

PaperID-83

(P2-29): Functional Network Analysis of Neural Activities based on Frequency Domain Analysis and Machine Learning
Yoshiyuki Asai (Yamaguchi university)*; Takeshi Abe (Yamaguchi university); Takahide Hayano (Yamaguchi
university); Manon Jaquerod (University of Lausanne); Alessandra Lintas (University of Lausanne); Alessandro E. P.
Villa (University of Lausanne)

PaperID-84

(P2-30): A Bergson-Inspired Adaptive Time Constant for the Multiple Timescales Recurrent Neural Network Model
Thomas F Burns* (Okinawa Institute of Science and Technology Graduate University); Fabien C. Y. Benureau (Okinawa
Institute of Science and Technology Graduate University); Jun Tani (Okinawa Institute of Science and Technology
Graduate University)

PaperID-87

(P2-31): Noise Robustness and Generalization of Bayesian Neural Networks with Lognormal Synaptic Weights
Thomás Rodrigues Crespo (Osaka University)*; Jun-nosuke Teramae (Kyoto University)Naoki Wakamiya (Osaka
University)

PaperID-88

(P2-32): Parallel Computing of a Cortico-Thalamo-Cerebellar Circuit on K Computer
Jun Igarashi (RIKEN)*; Hiroshi Yamaura (The University of Electro-Communications); Tadashi Yamazaki (The
University of Electro-Communications)

PaperID-89

(P2-33): Application Log Analysis of Junior High School Math Learning in Okinawa
Kosuke Nakamura (University of the Ryukyus)*; Ryusei Furuta (University of the Ryukyus); Tsukasa Irei (University of
the Ryukyus); Hiroyuki Matsuo (University of the Ryukyus); Takanori Hinokuma (University of the Ryukyus); Ryota
Miyata (University of the Ryukyus);

PaperID-90

(P2-34): Learning Timescales in MTRNNs

Fabien C. Y. Benureau (Okinawa Institute of Science and Technology Graduate University); Jun Tani (Okinawa Institute of Science and Technology Graduate University)*

PaperID-91

(P2-35): Analysis of Structure-Function Relationship using a Whole-Brain Model based on the Common Marmoset MRI Data

Hirokichi Tsukada (Okinawa Institute of Science and Technology Graduate University)*; Hiroaki Hamada (Okinawa Institute of Science and Technology Graduate University); Ken Nakae (Kyoto University); Shin Ishii (Kyoto University); Junichi Hata (Keio University School of Medicine); Hideyuki Okano (Keio University School of Medicine); Kenji Doya (Okinawa Institute of Science and Technology)

PaperID-93

(P2-36): Theoretical Analysis of Non-Exact Retrace Algorithm

Tadashi Kozuno (Okinawa Institute of Science and Technology)*; Kenji Doya (Okinawa Institute of Science and Technology)

[Oral Session 2] *no flash talk required

PaperID-66

(O2-1): Visuomotor Associative Learning under the Predictive Coding Framework: a Neuro-robotics Experiment

Jungsik Hwang (Okinawa Institute of Science and Technology)*; Jun Tani (Okinawa Institute of Science and Technology Graduate University)

PaperID-75

(O2-2): Measuring the Convolution Neural Network similarities trained with different dataset using SVCCA

Toya Teramoto (University of Electro-Communications)*; Hayaru Shouno (Graduate School of Informatics and Engineering, The University of Electro-Communications)

PaperID-95

(O2-3): Hierarchical Competitive Learning in Convolutional Neural Networks

Takashi Shinozaki (NICT CiNet)*

[Oral Session 3] *no flash talk required

PaperID-65

(O3-3): Phase Synchrony in Symbolic Communication: Effect of Order of Messaging Bearing Intention

Masayuki Fujiwara (JAIST)*; Takashi Hashimoto (JAIST); Guanhong Li (JAIST); Jiro Okuda (Kyoto Sangyo University); Takeshi Konno (Kanazawa Institute of Technology); Kazuyuki Samejima (Tamagawa University); Junya Morita (Shizuoka University)

[Symposium 2] *no flash talk required

PaperID-51

(S2-1): Strategy to Build Beneficial General-Purpose Intelligence Inspired by Brain

Hiroshi Yamakawa (Organizer, Dwango)*; Yutaka Matsuo (The University of Tokyo); Koichi Takahashi (RIKEN QBiC); Naoya Arakawa (The Whole Brain Architecture Initiative)

PaperID-86

(S2-2): BriCA Kernel: Cognitive Computing Platform for Large-scale Distributed Memory Environments

Kotone Itaya (RIKEN BDR/Keio University/ Dwango/Whole Brain Architecture Initiative)*; Hiroshi Yamakawa (Dwango/Whole Brain Architecture Initiative); Masaru Tomita (Keio University); Koichi Takahashi (RIKEN BDR/Keio University/ Dwango/Whole Brain Architecture Initiative)

PaperID-58

(S2-3): Development of Biologically Inspired Artificial General Intelligence Navigated by Circuits Associated with Tasks

Masahiko Osawa (Keio University / Dwango AI Laboratory)*; Kotaro Mizuta (Kyoto University); Hiroshi Yamakawa (Dwango); Yasunori Hayashi (Kyoto University); Michita Imai (Keio University)

[Symposium 3] *no flash talk required

PaperID-6

(S3-1): An Optimization Approach to Understand Biological Searches and Learning

Taro Toyozumi (Organizer, RIKEN Center for Brain Science)*

PaperID-79

(S3-2): A Supervised Learning Rule as a Stabilization Mechanism of Arbitral Fixed Points of Hidden Neurons

Jun-nosuke Teramae (Kyoto university)*

PaperID-4

(S3-3): Decoding of Seen and Imagined Contents from the Human Brain via Deep Neural Network Representation

Tomoyasu Horikawa (ATR)*