

Poster Session Program

Jan 9, 2018

21:00 - 23:00

1	A case study to find an effective relearning order of arithmetic for junior-high school students	Nakamura K* †, Furuta R †, Irei T, Matsuo H, Hinokuma T, Miyata R (University of the Ryukyus)
2	The typhoon intensity prediction using the convolutional neural network	Tanahara S* (1), Ishigaki H (1), Ito K (1),(2), Yamada H (1), Shibata T (1), Miyata R (1) (1. University of the Ryukyus, 2. Meteorological Research Institute)
3	Generating images of violent typhoons using the deep convolutional generative adversarial networks	Ishigaki H*(1), Tanahara S(1), Ito K(1,2), Yamada H(1), Shibata T(1), Miyata R(1) (1. University of the Ryukyus, 2. Meteorological Research Institute)
4	State-space analysis of an Ising model reveals contributions of pairwise interactions to sparseness, fluctuation, and stimulus coding of monkey V1 neurons	Gaudreault J* (Polytechnique Montreal), Saxena A (IIT Bombay), Shimazaki H (Kyoto Univ, HRI-JP)
5	Top-down and bottom-up processes of visual recognition in schizophrenia	Akio Murakami* (1), Mohamed Abdelhack (2,3), Kei Majima (2,3), Yukiyasu Kamitani (2,3) and Hidehiko Takahashi (1) (1 Graduate School of Medicine, Kyoto Univ. 2 Graduate School of Informatics, Kyoto Univ. 3 ATR)
6	A computational feasibility study for the effect of focal brain cooling on epileptiform discharge propagation	Soriano J*, Kubo T, Ikeda K (NAIST)
7	Quantifying the effect of expert assistance on muscle synergies in sit-to-stand therapy	Lao B*, Tamei T, Kubo T, Ikeda K (Nara Institute of Science and Technology)
8	Segmentation Method for Motion Sequences of Interacting Humans Using Non-Parametric Bayesian Methods	Jeric Briones*, Takatomi Kubo, Kazushi Ikeda (NAIST)
9	Decoding agency grounded within the sensorimotor system: self-other action representation in the sensorimotor and the parietal cortices	Ohata R* (Tokyo Univ), Asai T (ATR), Kadota H (Kochi Univ of Tech), Shigemasa H (Kochi Univ of Tech), Ogawa K (Hokkaido Univ), Imamizu H (Tokyo Univ)
10	Graded roles of consciousness and confidence in reinforcement learning	Aurelio Cortese *(1), Hakwan Lau (2,3), Mitsuo Kawato (1) (1. ATR CNS Dep. of Decoded Neurofeedback, 2. UCLA Dep. of Psychology, 3. HKU Dep. of Psychology)
11	Vestibular contribution to egocentric body representation	Abekawa N* (NTT CS Labs.), Ferre E (Royal Holloway), Gallagher M (Royal Holloway), Gomi H (NTT CS Labs.), Haggard P (University College London)
12	Effects of lesions in the Medial Superior Temporal (MST) Area on short-latency manual following responses (MFR) of monkeys.	Takemura A* (1), Abekawa N (2), Gomi H (2), (1. Neurosci Res. Inst., AIST; 2. NTT Communication Sci. Labs.)
13	Constancy of walking speed adjustment based on optic flow	Shinya Takamuku* and Hiroaki Gomi
14	Artificially increasing brain state variability enhances motor memory consolidation	Takemi M*, Nozaki D (Univ of Tokyo)
15	Analysis on Atypical Neural Rhythms of Autism Children with Network Development Patterns	DUAN F*, Aihara K (UTokyo)
16	Comparative metacognitions for a clue to the origin of Self	Nikkuni A, Fujimoto S, Noguchi M, Komura Y* (Kyoto Univ)
17	Estimation of fMRI BOLD signal by 3-wavelengths fNIRS data	Iwano T
18	Toward Off-Policy Monotonic Policy Improvement	Ryo Iwaki*, Minoru Asada (Osaka University)
19	Development of functional brain networks involved in self-body recognition	Morita T* (Osaka Univ), Naito E (CiNet), Asada M (Osaka Univ)
20	A mixture of sparse coding models explains selectivity and tuning properties of face-selective neurons in macaque IT	Haruo Hosoya* (ATR), Aapo Hyvärinen (UCL)
21	Does CNN explain the selectivity and tuning properties in the middle face patch area?	Raman R* (ATR), Hosoya H (ATR)
22	Sound-to-meaning mapping: semantic representations based on sensory-motor networks	Murai S*, Itagaki S, Kobayasi KI (Doshisha Univ)
23	Experimental investigation of hierarchical Bayesian inference in sensory and motor cortices	Sergey Zobnin(1), Yuzhe Li(1), Kenji Doya*(1) (1. OIST)
24	Inherent Connection (I-Con) on EEG Activities for Emotion Detection	Zhen LIANG* and Shin Ishii (Kyoto University)
25	Investigation of the change of body representation due to a sixth finger	Yuta Suzuki* (UEC Tokyo), Gowrishankar Ganesh (CNRS-AIST JRL), Yoichi Miyawaki (UEC Tokyo)
26	Neural correlates of passive dynamics encoding are localised in space and frequency	Lisi G* (ATR), Iwane F (ATR, EPFL), Morimoto J (ATR)
27	Postural sway during full-body illusion	Hiroimitsu K* (Chuo Univ.), Asai T (ATR)
28	Stimulus and outcome expectations in perceptual decision making	Funamizu A*, Marbach F, Zador A (Cold Spring Harbor Laboratory)

\*: Presenter, †: equally contributed

Poster Session Program

Jan 10, 2018

20:00 - 23:00

1	Contributing role of nucleus accumbens and ventral pallidum in the effect of rat's task motivation	Irei T* (1), Ito M (2), Doya K (3) Miyata R (1) (1 University of the Ryukyus, 2 PROGRESS TECHNOLOGIES, Inc., 3 OIST)
2	Predicting rat's choice sequences using the long short-term memory network	Masuda T* (1), Irei T (1), Ito M (2), Doya K (3), Miyata R (1) (University of the Ryukyus, 2 PROGRESS TECHNOLOGIES, Inc., 3 OIST)
3	Predicting baseball batter swings using the logistic regression model	Masuda T*†, Kamimura K†, Miyata R (University of the Ryukyus)
4	Predicting the popularity class of manga characters using the convolutional neural network	Nakanishi M*, Tanahara S, Ishigaki H, Miyata R (University of the Ryukyus)
5	Comparison of fMRI Activity between Experts and Non-experts Observing Training Scenes	Ouchi R* (1), Kubo T (1), Nakahara E (1), Samejima K (2), Nagasawa M (3), Kikusui T (3), Ikeda K (1) (1. NAIST, 2. Tamagawa Univ, 3. Azabu Univ)
6	Online Portfolio Selection by Exploiting Fakes in Stock Microblogs	Shinta Koyano*, Kazushi Ikeda (NAIST)
7	Two-photon calcium imaging of the medial prefrontal cortex and hippocampus without cortical invasion. 内側前頭野・海馬における皮質内非侵襲的な二光子カルシウムイメージング法の開発	Masashi K*(1), Kenta K(2), Masamichi O(3), Jun-ichi N(3), Masanori M(1) (1. Univ. Tokyo, 2. National Inst. Physiol., 3. Saitama Univ.) 近藤 将史*(1),小林 憲太(2),大倉 正道(3),中井 淳一(3),松崎 政紀(1) (1. 東大,2.生理研,3.埼玉大)
8	The Knobe effect in autism: A diminished bidirectional interaction between intentionality and morality	Kazuki Iijima* (1,2), Yukihito Yomogida (1), Kosuke Asada (3), Kaosu Abe (1), Ayaka Sugiura (2,3), Shinichiro Kumagaya (3), Kenji Matsumoto (1) (1. Tamagawa Univ., 2. JSPS, 3. The Univ. of Tokyo)
9	Modular organization of the brainstem noradrenergic system coordinates opposing learning states.	Akira Uematsu(RIKEN BSI)
10	Striatal activation for winning-percentage-maximization in competitive situation	Ogawa A* (Juntendo Univ), Kameda T (Univ of Tokyo)
11	Effect of producer-scrounger structure on foraging behavior in humans	小倉有紀子*(1,2), 豊巻敦人, 久住一郎, 松島俊也(2), 亀田達也(1) (1. 東大, 2. 北大)
12	パラリンピックアスリートの脳の再編. Brain reorganization in Paralympic athletes.	中川剣人*, 武見充晃, 中澤公孝 (東京大学). Kento Nakagawa*, Mitsuaki Takemi, Kimitaka Nakazawa (Univ. of Tokyo)
13	運動処理に関するタスク依存的な脳内ネットワークの検討:Go Signal 呈示後及び運動直前の脳活動の解析	松本優希*, 久保知美, 森川達郎, 浦川智和, 荒木修(東京理科大)
14	向社会的行動の遺伝的基盤	仁科国之*(1,2), 高岸治人(1), 井上-村山美穂(3), 高橋英彦(3), 坂上雅道(1), 山岸俊男(4) (1.玉川大学, 2.日本学術振興会, 3.京都大学, 4.一橋大学)
15	指と腕の同期運動による身体部位リマッピング	近藤 亮太* (1),谷 大和 (1),杉本 麻樹 (2),南澤 孝太 (2),稲見 昌彦 (3), 北崎 充晃 (1) (1. 豊橋技術科学大学, 2. 慶應義塾大学, 3. 東京大学)
16	盲人と晴眼者の運動イメージ	雨宮薫†(1), 守田知代†(1, 2), 廣瀬智士(1, 3), 池上剛(1, 3), 平島雅也(1, 3), 内藤栄一*(1, 3) (1. NICT CiNet, 2. 阪大工学部, 3. 阪大生命機能)
17	インタラクションのリズム構造にもとづくパートナー推定-関係性に応じた検討-	佐武宏香*, 守田知代, 高橋英之, 浅田稔 (阪大)
18	畳み込みニューラルネットによる識別に寄与する信号の検出とその脳波応用	立川和樹*, 河合祐司, 朴志勲, 浅田稔 (阪大)
19	スモールワールド性を有するリカレントネットワークの学習性能評価	河合祐司*, 朴志勲, 浅田稔(阪大)
20	神経-振動子ネットワークにおける創発的行動パターンの遷移に関する神経表現	朴志勲*, 河合祐司, 浅田稔 (大阪大学)
21	Bistable知覚の不安定化とVEP動態:Predictive codingからの検討	田中元善*, 浦川智和, 鈴木裕太, 荒木修 (東京理科大学)
22	内因性カンナビノイドの空間的シナプス調整効果の数理モデル	中濱裕介*, 浦川智和, 荒木修 (東京理科大学)
23	半視野に課したVSTM負荷による、VEPの空間依存的な抑制	佐山敦弘*, 浦川智和, 小幡拓也, 横山優佳, 荒木修 (東京理科大)
24	MT細胞の新しい計算論的解釈から導出されるread-outモデル	中村大樹*, 佐藤俊治 (電通大)
25	サッカー後の瞳孔と虹彩の振動特性の違い	山岸慎平*, 米家惇, 古川茂人 (NTT CS研)
26	自然音刺激を用いたマウス聴覚野構造解析の試み	寺島裕貴*(NTT CS研), 塚野浩明(新潟大 脳研), 古川茂人(NTT CS研)
27	手掌面への振動刺激が病的把握反射に与える影響	大内田裕*, 鈴木栄三郎, 出江紳一 (東北大学)

\*: Presenter, †: equally contributed