

Poster Session Program

Jan 9, 2019

21:00 - 23:00

1	Biological motion, thyroid hormone and development of social cohesion in chicks	Matsushima T*, Miura M, Takemura Y (Hokkaido University), Homma KJ (Teikyo University)
2	When impulsive choice is adaptive: analytical and computational investigation of competitive foraging	小倉有紀子*(1), 網田英敏(2), 松島俊也(3) (1. 東大, 2. NIH, 3. 北大)
3	Association between Default Mode Network and Performance of Gambling Task in Elderly	Tomokazu Motegi*(1,2), Kosuke Narita(2), Masato Fukuda(2) (1.ATR 2.Gunma Univ)
4	Cortico-striatal activity related to playing and listening to music	Murai S*, Nishimura M, Yang Ae Na, Kobayashi Ki
5	Decoding the scene prediction and its confidence during maze exploration	Katayama R*(1), Yoshida W(1,2), Ishii S(1,2)(1. Kyoto Univ, 2. ATR)
6	Development of Emotional State Estimation and Group Motion Analysis for Dogs' Social Interaction	Nishimoto M* (Kyoto Women's Univ.), Nakahara E, Kubo T (NAIST), Hirao A, Maruno Y (Kyoto Women's Univ.), Yamakawa T (Kumamoto Univ.), Hamada R, Hoshi T, Nishinoma H, Ohno K (Tohoku Univ.), et al.
7	Differential Changes in Delta Waves between Focused-Attention Meditation and Open-Monitoring Meditation before and after the Awareness of Mind-Wandering in Experienced Meditators	Toru Takahashi* (Waseda Univ), Issaku Kawashima(ATR), Masahiro Fujino (Kyoto Univ), Hiroaki Kumano (Waseda Univ)
8	fMRI evidence for the disorganization of semantic representation in the schizophrenia brain	Nishida S* (1,2), Matsumoto Y (3), Yoshikawa N (2), Son S (3), Murakami A (3), Hayashi R (4), Takahashi H (3), Nishimoto S (1,2) (1. NICT, 2. Osaka Univ, 3. Kyoto Univ, 4. AIST)
9	Energy Landscape Analysis of Depressive Brain Networks using Resting State fMRI	Paul Rossener Regonia*(1), Masahiro Takamura (2), Naho Ichikawa (2), Takashi Nakano (1), Go Okada (2), Yasumasa Okamoto (2), Shigeto Yamawaki (2), Junichiro Yoshimoto (1) (1. NAIST, 2. Hiroshima U.)
10	A Study on Structural Anomalies of the Brain Observed in Early Onset Depression	Sakai M*(1,3), Takamura M(2), Ichikawa N(2), Nakano T(3), Maruno Y(1), Okada G(2), Okamoto Y(2), Yamawaki S(2), Yoshimoto J(3) (1. Kyoto Women's Univ, 2. Hiroshima Univ, 3.NAIST)
11	Brain mechanisms of value acquisition, maintenance and updating through long-term conditioning and reversal conditioning	Anai S* (1,2), Tanaka S.C. (1) (1. ATR, 2. NAIST)
12	The effects of stress on human emotion control.	Yukihiro Suzuki*(NAIST), Saori Tanaka(ATR)
13	VTA-M1 pathway contributes to human motivated motor outputs	Sugawara SK* (1,2), Nakayama Y (3), Fukunaga M (1,2), Yamamoto T (1), Nishimura Y (3), Sadato N (1,2) (1. NIPS, 2. SOKENDAI, 3. Tokyo Metropolitan Institute of Medical Science)
14	People with autism spectrum disorder experience less pleasure through social action-outcome contingency	Sumiya M*(1), Okamoto Y(2), Koike T(1), Tanigawa T(1), Kimura Y(3), Okazawa H(2), Kosaka H(2), & Sadato N(1) (1. NIPS, 2. Univ of Fukui, 3. Osaka Univ)
15	Effects of Skip-connection in ResNet and Batch-normalization on Fisher Information Matrix	Furusho Y*(NAIST), Ikeda K(NAIST)
16	Hierarchical Segmentation Approach for Detecting Switching Interaction from Multiple Time Series	Jeric Briones*, Takatomi Kubo, Kazushi Ikeda (NAIST)
17	Representational structure of the higher visual cortex in schizophrenia	Akio Murakami* 1; Mohamed Abdelhack2; Kei Majima2; Fan Cheng2; Yukiyasu Kamitani2; Hidehiko Takahashi1 (1 Graduate School of Medicine, Kyoto Univ, 2 Graduate School of Informatics, Kyoto Univ)
18	Elucidation of brain algorithm in learning conceptual knowledge by DecNef	Yamamoto A*, Cortese A, Kawato M(株)国際電気通信基礎技術研究所)
19	Does danger of injury influence human motor adaptation?	Kunavar T*, Camernik J, Babic J (JSI), Oztop E (Ozyegin Univ), Kawato M (ATR)
20	A reciprocal inhibition model to explain fluctuation in PTSD symptom clusters	Toshinori Chiba*(1,2), Kentaro Ide (1,3), Ai Koizumi (4), Masafumi Funatsu (5), Shuken Boku (2), Miyoko Shirakawa (3), Mitsuo Kawato (1) (1. ATR, 2. Kobe Univ, 3. Hikinohana, 4. CiNet, 5. Chiyoda)
21	Generalizability of disentangled representations for novel contents	Haruo Hosoya (ATR)
22	Characterization of the anime viewers using the latent dirichlet allocation	Ito T*(1), Tanahara S(1), Kaneshiro K(1), Nakayama Y(2), Tokuyama T(2), Toma N(1), Miyata R(1) (1. University of the Ryukyus, 2. TAP Co.,Ltd)
23	Consideration of the relation between the defensive time and hit in the next inning in the baseball game using the hierarchical bayesian model	Masuda T*, Tanahara S, Hujisawa K, Miyata R (University of the Ryukyus)
24	Improving the prediction accuracy of typhoon intensity with the CNN using the DCGAN	Higa M*, Tanahara S, Ito K, Yamada H, Miyata R (Ryukyu Univ)
25	vMMNには被験者の不安特性が反映されるのか	大矢泰地*, 浦川智和, 廣木茜, 荒木修(東京理科大学)
26	WM課題におけるBinding ErrorがV1活動に与える影響	小幡拓也*, 小西和弥, 浦川智和, 荒木修(東京理科大)
27	視覚ミスマッチ処理が視覚的意識に与える影響	栗田佑騎*, 浦川智和, 荒木修(東京理科大学)
28	強化学習に対する内受容感覚知覚の影響の検討	荻島大凱*, 嶋田洋徳(早稲田大学)
29	脳波と深層ニューラルネットワークを用いたワーキングメモリ容量デコーディング Decoding of working memory capacity by EEG and Deep Neural Network	田中樹*, 内藤智之, 佐藤宏道(阪大) Tanaka T*, Naito T, Sato H(Osaka Univ)
30	Making strategic use of the unconscious to accumulate rewards	Aurelio Cortese (1), Hakwan Lau (2-3), Mitsuo Kawato (1) (1. ATR Computational neuroscience labs, 2. UCLA, Dep. of Psychology, 3. Hong Kong University, Dep. of Psychology)

*: Presenter, †: equally contributed

Poster Session Program	Jan 10, 2019	20:00 - 23:00
1 The neuronal activity of macaque visual cortices during free viewing.	Yamane Y*(Osaka U, OIST), Ito J(Juelich Res. Cent.), Cristian J(Juelich Res. Cent.), Maldonado PE (U. Chile), Tamura H(Osaka U), Fujita I(Osaka U), Doya K (OIST), Grün S(Juelich Res. Cent.)	
2 Investigation of reward-driven learning mechanism by multivariate analysis	Yoshiki Yoshii*, Mitsuo Kawato, Aurelio Cortese	
3 Endogenous controllability of brain-machine interfaces for pain	S. Zhang (Cambridge Univ.) W. Yoshida (Kyoto Univ), H. Mano (CiNet), T. Yanagisawa (Osaka Univ), K. Shibata (Nagoya Univ), M Kawato (ATR), B. Seymour* (Cambridge Univ, CiNet)	
4 People with ASD perceive drastic illusory changes for repeated verbal stimuli	Itoi C*(1), Kato N(2),Kashino M (3)(1. Chuo Univ, 2.Medical Institute of Developmental Disabilities Research, 3.NTT)	
5 Neural Modularity Helps to Alleviate Catastrophic Forgetting in Echo State Networks	Ozasa Y*, Kawai Y, Park J, Asada M (Osaka Univ)	
6 Compensation of Integrated Gradients for Reliable Evaluation of Feature Contributions to EEG Classification	Tachikawa K*, Kawai Y, Park J, Asada M (Osaka Univ.)	
7 Evolution of Collective Behavior to Maximize Transfer Entropy	菅沼*,河合,朴,浅田	
8 Proprioceptive prediction of humanoid robot with Variational Bayes predictive coding RNN	Vijayaraghavan P*, Ohata W, Tani J (OIST)	
9 Trajectory Recognition Using a Bayesian Inference Recurrent Neural Network Model	Daniel Oliva* (TU Munich), Anja Philippsen (NICT), Yukie Nagai (NICT)	
10 Organization of sensorimotor experience of a manipulation robot through predictability	Bugur S (Bogazici Univ), Oztop E (Ozyegin Univ), Nagai Y (CiNet, NICT), Ugur E* (Bogazici Univ)	
11 Influence of hyper- and hypo-prior in a Bayesian inference recurrent neural network model	Anja Philippsen* (NICT), Daniel Oliva (TU Munich), Yukie Nagai (NICT)	
12 Explorations on inverse reinforcement learning for the analysis of sensorimotor data	Emir Ardit(1), Jernej Camernik(2), Jan Babic(2), Emre Ugur(3), Yukie Nagai(4), Erhan Oztotop*(1) (1: Ozyegin University, Turkey, 2:JSl, Slovenia 3: Bogazici University, Turkey 4: CiNet, Japan)	
13 Resting-State Current Source Estimation using Graph Laplacian	Yuki Ito*(1,2), Okito Yamashita(2) (1. NAIST, 2. ATR)	
14 What dogs do when a communication robot attracts their owner's attention	Haruka Kasuga (Hokkaido University)	
15 Differences in Gaze Behavior between Dog Experts and Non-Experts during Observing Dog Training Videos	Nakahara E* (1), Kubo T (1), Ouchi R (1), Samejima K (2), Nagasawa M (3), Kikusui T (3) , Ikeda K (1) (1. NAIST, 2. Tamagawa Univ, 3. Azabu Univ)	
16 Stable embedding of wide neural networks with ReLU activation and its generalization ability	Furusho Y*(NAIST), Ikeda K(NAIST)	
17 Variable brain states practice improves motor memory retention	Takemi M* (1,2), Nozaki D (1) (1: Univ of Tokyo, 2: JST PRESTO)	
18 Looking for a Sign of Failure in Actions: Reaching Errors Triggered by Slowing Down of Movement and Specific Brain Activity in Preceding Trials	Kobayashi T*, Takemi M, Nozaki D (Tokyo Univ)	
19 運動記憶の想起は時間経過に依存した忘却を食い止める (Motor Memory Retrieval Interrupts Time-Dependent Motor Memory Decay)	佐々木彰一*, 野崎大地 (東京大学) (Sasaki A*, Daichi N, (Univ. Tokyo))	
20 階層ガウシアンフィルタを用いた触覚時間順序判断課題モデリング Modeling tactile temporal order judgement process using Hierarchical Gaussian Filter	鈴木香寿恵*(1), 和田真(2), 山下祐一(1) (1. 国立精神・神経医療研究センター, 2. 国立障害者リハビリテーションセンター研究所) / Suzuki K* (1), Wada M (2), Yamashita Y (1) (1. NCNP, 2. Research Institute of NRCDC)	
21 tDCSが運動準備関連脳活動に与える影響はタスク依存的なのか	今仁拓弥*,木村青嶺,久保知美,浦川智和,荒木修(東京理科大)	
22 視覚的意識Gatingに関わる脳活動の時間的動態	石坂光*, 浦川智和, 田中元善, 栗田佑騎, 荒木修(東京理科大学)	
23 RB効果の減弱に関わる早期脳活動の解明	田中元善*, 浦川智和, 鈴木裕太, 荒木修(東京理科大学)	
24 マインドワンダリングによるインキュベーション機能の数理モデルの検討	西加純*, 荒木修, 浦川智和(東京理科大学)	
25 In-app behavior analysis with the remedial math JHS students	Nakamura K*, Yoshida H, Matsuo H, Hinokuma T, Okamoto M, Miyata R (University of the Ryukyus)	
26 Performance evaluation of the principal components analysis based unsupervised feature extraction with the breast cancer dataset	Fujisawa K*, Nakamura K, Miyata R (University of the Ryukyus)	
27 視聴覚に共通する注意のゆらぎの特性	寺島裕貴*(NTT), 木原健(産総研), 河原純一郎(北大), 近藤洋史(中大/NTT)	
28 Grip force and hand movement with spring-mass-damper dynamics in adults with ASC	Shinya Takamuku*(1), Haruhisa Ohta(2), Chieko Kanai(2), and Hiroaki Gomi(1) (1. NTT Communication Science Labs, 2. Showa Univ)	
29 視覚性運動応答の統計的性質は機械学習で再現できるか?	中村大樹*, 五味裕章	

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