Advanced ECoG/EEG Analysis in Epilepsy

Date: November 5 (Sun), 2017  13:00-18:30
Venue: Kyoto International Conference Center, Room D

Program: Lectures and poster presentation

13:00-13:05  Opening Remarks  Prof. Akio Ikeda

13:05-14:55  Session 1 Advanced ECoG/EEG analysis for probing brain functions
Chair: Prof. Shozo Tobimatsu, Prof. Atsuo Fukuda
1) Advancing Passive ECoG-Based Brain Mapping
Dr. Gerwin Schalk (National Center for Adaptive Neurotechnologies, USA)
2) Real-time ECoG Mapping and Decoding for Neurosurgical Strategy
Prof. Kyosuke Kamada (Asahikawa Medical University)
3) Cortico-cortical evoked potentials & spectral responses to probe connectivity and cortical excitability
Dr. Riki Matsumoto (Kyoto University)

14:55-15:35  Break and Poster Viewing

15:35-17:25  Session 2 Advanced ECoG/EEG analysis for probing epileptogenicity
Chair: Prof. Amami Kato, Prof. Hitoshi Yamamoto
4) The complex road from intracerebral to scalp EEG
Prof. Jean Gotman (MNI, Canada)
5) Permutation entropy and transcripts in epileptic seizure time-series data
Dr. Kohei Nakajima (Tokyo University)
6) Wideband ECoG analysis and modeling of seizure generation
Dr. Masao Matsuhashi (Kyoto University)

17:20-17:25  Closing remarks  Prof. Taketoshi Maehara

17:30-18:30  Reception with Poster Viewing (at Room D)

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