

# **BSI FORUM: Multi-Neuron Workshop**

hosted by Gruen Research Unit

22. Feb 2008

RIKEN BSI, East Bldg, Seminar room 1F

Organizers: Prof. Hiroyuki Ito, Kyoto Sangyo Univ, Kyoto  
and Dr. Sonja Gruen, RIKEN BSI, Wako-Shi

8:55-9:00h	Welcome
9:00h - 10:00h	An analysis of functional neural circuitry with multiple single-unit recording techniques. Hiroschi Tamura, Osaka Univ, Osaka
10:00h - 11:00h	Simultaneous Optimization of Clustering and Dimension Reduction for Neural Population Activities. Narihisa Matsumoto, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba
11:00h - 11:30h	coffee break
11:30h - 12:30h	Two types of synchronous firings arise in feed-forward networks. Yutaka Sakai, Tamagawa Univ, Tokyo
12:30h - 14:00h	lunch
14:00h - 15:00h	Uncovering assembly-activity in noisy population spike trains. Benjamin Staude, RIKEN BSI, Wako-Shi
15:00h - 16:00h	Dynamics of spike synchrony - high precision, non-Poissonian and non-stationarity - . Hiroyuki Ito, Kyoto Sangyo Univ, Kyoto
16:00h - 16:30h	coffee break
16:30h - 17:30h	Phase locking of visually evoked spikes to eye-movement related LFP oscillation. Junji Ito, RIKEN BSI, Wako-Shi
17:30h - 18:30h	How synchronous spikes relate to local field potentials. Michael Denker, RIKEN BSI, Wako-Shi
18:30h	closing remarks

each slot: 40min talk + 20min discussion

Sponsor : "Multi-neuron Data Analysis" Research Resource Project of "Integrative Brain"