The 6th CiNet Conference	:
Brain-Machine Interface	-Medical Engineering based on Neuroscience
February $5-7$ at CiNet, C	Saka, Japan

Program: (subject to change)

Wednesday, February	. 5
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- 13:00 Registration
- 13:30 Opening: Toshio Yanagida, Director of CiNet

Session 1> Fundamental BMI and Neuroscience 1

- 13:35 Yukio Nishimura, Tokyo Metropolitan Institute of Medical Science "Bypassing damaged neural pathways via neural interfaces"
- 14:20 Steven M Chase, Carnegie Mellon University
 "Neural manifolds: from basic science to practical improvements
 in brain-computer interfaces"
- 15:05 Coffee Break

<Session 2> Fundamental BMI and Neuroscience 2

15:20 Hirokazu Takahashi, The University of Tokyo

"Decoding of Darwinian neural activities in the auditory cortex"

- Vikash Gilja, University of California, San Diego "Brain Machine Interfaces: Concept to Clinic"
- 16:50 Coffee Break
- 17:05 Andrew Schwartz, University of Pittsburgh

"Useful Signals from Motor Cortex"

- 17:50 Poster Session
- 18:20 Welcome Party (Poster Session continues.)

Thursday, February 6

Session 3> Fundamental BMI and Neuroscience 3

- 9:30 Isao Hasegawa, Niigata University
 - "Decoding visual object/memory information from electrocorticography"
- 10:15 Kazutaka Takahashi, University of Chicago

 "Changes in cortical network connectivity

 with long-term brain-machine interface exposure after chronic amputation"
- 11:00 Coffee Break

11:15 Masamichi Sakagami, Tamagawa University

"Value decoding from Electro-Cortico-Graphic signals in monkey prefrontal cortices"

12:00 Luncheon Seminar by NTT Data Institute of Management Consulting, Inc.

<Session 4> Clinical BMI 1

13:20 Masayuki Hirata, Osaka University

"A fully-implantable wireless brain machine interfaces: towards clinical trials"

13:55 Leigh R Hochberg, Brown University

"BrainGate Pilot Clinical Trials: Toward Restoring Communication and Mobility"

14:40 Coffee Break

<Session 5> Clinical BMI 2

14:55 Kyosuke Kamada, Megumino Hospital/ATR

"Combination of functional decoding and monitoring using ECoG for Neurosurgery"

15:40 Takufumi Yanagisawa, Osaka University

"Clinical application of ECoG/MEG decoding"

16:15 Coffee Break

16:30 Guillaume Charvet, Clinatec

"Implantable Epidural Brain Machine Interface to control a 4-limb exoskeleton for movement compensation of tetraplegic patients"

- 17:15 Poster Session
- 17:45 Closed Session (Poster Session continues)

Friday, February 7

<Session 6> Neural Device 1

10:00 Tsuyoshi Sekitani, Osaka University

"Brain-implanted flexible and stretchable integrated circuit system for comprehensively monitoring brain activities from cerebral cortex to deep brain regions"

10:45 Coffee Break

11:00 Chong Xie, Rice University

"Pushing limits of intracortical neural electrodes"

11:45 Luncheon Seminar by NTT Data Institute of Management Consulting, Inc.

<Session 7> Neural Device 2

13:00	Thomas Stieglitz, University of Freiburg
	"Miniaturized neural implants for interfacing with the brain"
13:45	Takeshi Kawano, Toyohashi University of Technology
	"3D micro/nanoneedle and 2D flexible film for neural interfaces"
14:30	Coffee Break
<sessi< th=""><th>ion 8> Neural Device 3</th></sessi<>	ion 8> Neural Device 3
14:45	Takashi D.Y. Kozai, University of Pittsburgh
	"New Interface biology and Novel brain stimulation technology"
15:30	Takafumi Suzuki, CiNet, NICT
	"Brain-machine interface based on electrocorticogram
	system development towards 4000ch recording-"
16:05	Closing: Takafumi Suzuki, Meeting Chair