

The 9th CiNet Conference Program
(Feb. 14 – 15, 2024)

(each talk 35 min, including discussion)

Day 1: Wednesday, February 14

13:00 Opening remarks: Shigeru Kitazawa, Director General of CiNet, NICT

13:10 - 13:45 Slot 1 **Peter Kok**

“The neural circuit underlying subjective perception”

13:45 - 14:20 Slot 2 **Yu Takagi**

“Integrating Deep Generative Models with Human Brain Activity”

14:20 - 14:55 Slot 3 **Tomoyasu Horikawa**

“Mind captioning: evolving descriptive text of seen and imagined content from the human brain via features of language models”

14:55 – 15:10 Coffee break (15 min.)

15:10 - 15:45 Slot 4 **Hiroaki Gomi**

“Implicit contributions of visual information to online control of manual movement”

15:45 - 16:20 Slot 5 **Atsushi Yokoi**

“The role of autonomic activities in human motor learning and control”

16:20 - 16:55 Slot 6 **Masaya Hirashima**

“Adaptation to the sensorimotor delay occurs in the movement frequency space, not in the domain of time”

16:55 – 17:10 Coffee break (15 min.)

17:10 - 17:45 Slot 7 **Patrick Haggard**

“From spatial perception to self-discovery”

17:45 - 18:20 Slot 8 **Chris Frith** (Online)

“How do we know what other people are going to do?”

Speech for toast: Hiroaki Gomi

Ice breaking and Poster presentation

Day 2: Thursday, February 15

10:00 - 10:35 Slot 9 **Takuya Koumura**

“Computational Comparative Approaches for Understanding Why Auditory Neurophysiological and Psychophysical Properties Have Emerged in the Auditory System”

10:35 - 11:10 Slot 10 **Scinob Kuroki**

“Neural representations of subjective tactile feelings for texture surfaces of common materials”

11:10 – 11:25 Coffee break (15 min.)

11:25 - 12:00 Slot 11 **Sarah Garfinkel**

“The Impact of Heartbeats on Cognition and Emotion”

12:00 - 12:35 Slot 12 **Tamami Nakano**

“The Hidden Drivers of Human Cognition: Understanding the Role of Spontaneous Physiological Activities”

12:35 – 14:30 Lunch and Poster presentation

14:30 - 15:05 Slot 13 **Toshiki Okumura**

“Semantic context-dependent neural representations of odors in the human primary olfactory cortex revealed by 7T MRI”

15:05 - 15:40 Slot 14 **Yuki Murai**

“Active reconstruction of perceptual present through serial dependence”

15:40 – 15:55 Coffee break (15 min.)

15:55 - 16:30 Slot 15 **Yunzhe Liu**

“Forming cognitive map through learning and development”

16:30 - 17:05 Slot 16 **Tatsuya Haga**

“Towards a unified computational model of spatial and semantic representations in medial temporal lobe”

17:05 - 17:40 Slot 17 **William Dorrell** (Online)

“Efficient Coding of Cognitive Maps: A Normative Theory of Internals Models”

Closing remarks: Patrick Haggard