

Program

*Subject to change.

Day 1: Monday, October 5

13:00 - 13:10 Opening remarks: **Shigeru Kitazawa**,
Director General of CiNet, NICT

(A slot includes 5 min. discussion at the end)

13:10 - 14:00 Slot 1: **Andrew Lampinen**
“What can neuroscience and AI learn from each other? Case studies on generalization, and rational analysis”

14:00 - 14:50 Slot 2: **Wilma Bainbridge**
“Artificial intelligence can predict our memories better than we can”

14:50 - 15:35 Coffee break + Poster presentations

15:35 - 16:25 Slot 3: **Kenji Doya**
“Toward more natural artificial intelligence”

16:25 - 17:15 Slot 4: **John Duncan**
“The physiology of cognitive control”

17:15 - 18:00 Discussion panel 1 – AI & Neuroscience

18:00 - Poster presentations + Dinner

20:00 - End of Day 1

Program

Day 2: Tuesday, October 6

(A slot includes 5 min. discussion at the end)

- 9:30 - 10:20 Slot 5: **Martin Schrimpf**
“NeuroAI to Understand and Treat the Brain”
- 10:20 - 11:10 Slot 6: **Takufumi Yanagisawa**
“TBA”
- 11:10 - 12:00 Slot 7: **Katharina Dobs**
“Functional Specialization in Biological and Artificial Visual Systems”
- 12:00 - 14:00 Lunch + Poster presentations
- 14:00 - 14:50 Slot 8: **Llion Jones & Kailash Arulkumaran**
“Bridging the gap between Neuro-science and Machine Learning”
- 14:50 - 15:40 Slot 9: **Katherine Storrs**
“Using the toolkit of psychology to evaluate visual understanding in artificial models”
- 15:40 - 16:30 Coffee break + Poster presentations
- 16:30 - 17:20 Slot 10: **Robert Mok**
“TBA”
- 17:20 - 18:05 Discussion panel 2 – AI, industry and academia – how to work together?
- 18:05 - End of Day 2

Program

Day 3: Wednesday, October 7

(A slot includes 5 min. discussion at the end)

9:30 - 10:20 Slot 11: **Ida Momennejad**
"TBA"

10:20 - 11:10 Slot 12: **Taro Toyoizumi**
"Modeling how the brain learns to represent ambiguous environments:
Abstraction and Probability"

11:10 - 12:00 Slot 13: **Lis Kanashiro Pereira**
"TBA"

12:00 - 14:00 Lunch + Poster presentations

14:00 - 14:50 Slot 14: **Kentaro Abe**
"Language models for decoding non-human languages"

14:50 - 15:40 Slot 15: **Benjamin Hayden**
"How can LLMs help us understand the brain"

15:40 - 16:25 Coffee break + Poster presentations

16:25 - 17:15 Slot 16: **Shinji Nishimoto**
"Functional Organization of Perceptual and Cognitive Representations in
the Human Brain across Naturalistic Experiences"

17:15 - 18:00 Discussion panel 3 – How to make progress on understanding
natural and artificial intelligence?

Closing remarks: **Robert Mok** Chair of the conference