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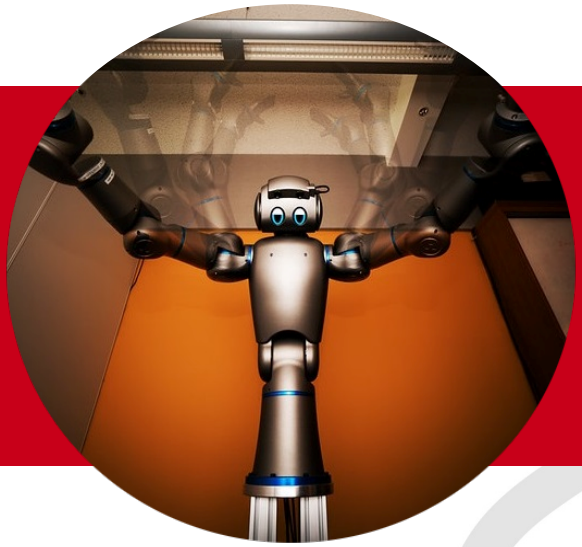

Exploring Robotic Minds

Actions, Symbols, and Consciousness as Self-Organizing Dynamics Phenomena

教授からのコメント / COMMENT FROM PROFESSOR

«Thank you for your great interests in our research. I'm looking forward to seeing you at OIST in near future!!»

Dr. Jun Tani

Professor

Cognitive Neurorobotics Research Unit

2017-	Professor, OIST
2012-2017	Professor, Korean Advanced Institute of Science and Technology (KAIST), Korea
2001-2012	Team Leader, Riken Brain Science Institute
1990-2001	Researcher/Senior Researcher, Sony Computer Science Laboratories Inc.
1981-1990	Engineer, Chiyoda Chemical Engineering and Construction Corporation
1995	Dr. Eng., Sophia University, Japan
1988	Dual M.S. in Electrical Engineering and Mechanical Engineering, University of Michigan (Ann Arbor), USA
1981.	B.A. in Mechanical Engineering, Waseda University, Japan

研究概要 / SUMMARY

The cognitive neurorobotics research unit focuses on understanding the principles of embodied cognition and mind by conducting synthetic neurorobotics experimental studies under the framework of predictive coding and active inference. The essential questions include how compositionality in perception, action, and thoughts can be acquired via consolidative learning of behavioral experiences through stages of development, how social cognition with perception of self and others can be developed through enactive and contextual interaction with others, and how phenomenology of consciousness and free will can be accounted scientifically. By investigating these questions seriously in a qualitative manner, the long-term research goal of the lab would be to reconstruct development of general cognitive minds of infants up to age of 4 in synthetic neurorobotics experiments.

寄附金の使途 / USE OF DONATIONS

- Salary for researcher
- Robot-related equipment

寄附金の特典 / BENEFITS

- Publication acknowledgment
- Lab visit
- Dialogue with Professor/researchers

OIST

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