

様々な認知機能間・感情間・概念間の関係構造を 神経科学的手法に基づいて明らかにする

Revealing relationships among cognitive functions, among emotions,
and among concepts using neuroscience-based approaches

Date: December 09, 2020 (Wed)
Time: 09:30 – 12:25 (JST), Online



Registration



HP

Registration: <https://forms.gle/ZEo52QArwd6DyDAB9>

HP: <http://www.pr.tokai.ac.jp/tuiist/english/tuiist/webinar202011.html#202011055>

神経科学における知見の蓄積は、脳それ自体がどのように振る舞うかということだけでなく、脳によって生み出されるもの、たとえば様々な認知機能や情動、概念、我々の世界観といったものがどのようなものかということにも重要な示唆を与えます。このことは「人間」や「人間の作り出す社会」への理解を押し進め、さらには脳に学んだ人工知能開発への道を拓きます。このシンポジウムでは、神経科学に基づくアプローチによって認知機能間・感情間・概念間に潜む関係構造を明らかにする試みの現在地を示します。

このシンポジウムは日本語と英語のハイブリッド形式で実施され、前半は通常の英語のシンポジウムとして行い、後半では英語のスライドを日本語で口頭説明するかたちで行います。

Accumulation of knowledge in neuroscience has told not only how the brain per se behaves but also how and what things generated by the brain including diverse cognitive abilities, emotions, semantic concepts, and worldviews are. This facilitates understanding of human beings and human society as well as provides the road maps to develop the brain-inspired artificial intelligence. In this symposium, we show the current direction of researches contributing to reveal relationships among cognitive functions, among emotions, and among concepts using neuroscience-based approaches.

This symposium will be conducted as is a hybrid style in which both English and Japanese are used. In the first half, we will conduct the session as is in a common English symposium. In the second half, the speakers will use the English slides with speaking Japanese. In the Q&A parts of the second half, both English and Japanese are OK.

【 Program 】

09:30-09:35 Opening Remarks: Toshiyuki Inazu (Vice Chancellor, Tokai University, Japan)

09:35-09:40 Introduction: Hiroki Kurashige (Tokai University, Japan)

09:40-10:05 Hava T. Siegelmann (University of Massachusetts Amherst, U.S.)

10:05-10:30 Marcel Adam Just (Carnegie Mellon University, U.S.)

10:30-10:55 Cedric Huchuan Xia (University of Pennsylvania, U.S.)

10:55-11:05 break

11:05-11:30 Tomoyasu Horikawa (Advanced Telecommunications Research Institute International (ATR), Japan)

11:30-11:55 Tomoya Nakai (Center for Information and Neural Networks (CiNet), Japan)

11:55-12:20 Hiroki Kurashige (Tokai University, Japan)

12:20-12:25 Closing Remarks: Kohei Cho (Tokai University, Japan)