第1回研究科セミナー（AI 知性研究領域）

テーマ

Bridging Psychology and Multimodal AI for Human Behaviour Analysis

講演者：Max Planck Institute
Research Group Leader
Philipp Müller　氏

日　　時：令和8年6月22日（月）15:00～16:30

場　　所：知識科学講義棟2階　中講義室

講演要旨：

As artificial intelligence systems become increasingly integrated into our private and professional lives,
enabling effective collaboration between humans and machines is more important than ever. For such collaboration to be valuable and intuitive, machines must develop a deeper understanding of human behaviour – how we communicate, express emotions, and direct our attention. In this talk, I will present my work on advancing the state of the art in human behaviour analysis, with an emphasis on the value of integrating perspectives from psychology with those offered by multimodal AI. This includes advances in the recognition of basic social cues such as eye contact, backchannels, or body movements, but also more complex phenomena such as emotion regulation and interaction quality. I will highlight the importance of establishing diverse benchmark datasets to measure and accelerate progress in the field and outline opportunities for the application of conversational behaviour analysis in psychiatry.

講演者略歴：

Philipp Müller leads the Independent Research Group Embodied Social Interaction at the Max Planck
Institute for Intelligent Systems (MPI-IS) in Stuttgart, where he works at the intersection of multimodal AI, psychology, and robotics to lay the foundations for socially capable, embodied AI systems. He received a Bachelor's Degree in Psychology as well as Bachelor's and Master's degrees in Computer Science from Saarland University. After a stay as a Visiting Student Researcher at Stanford University, he conducted his PhD research at the Max Planck Institute for Informatics on Sensing, Interpreting, and Anticipating Human Social Behaviour in the Real World. Before joining MPI-IS, he worked at the University of Stuttgart and at the German Research Center for Artificial Intelligence (DFKI) in Saarbrücken.

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