AIE
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人工知能エレクトロニクス卓越大学院プログラム

第5回講演会のお知らせ

Extending Boundaries for Human-Robot Cooperation - Natural Interactions with Context-aware Social Robots

In recent years, many different AI agents have appeared providing potentially useful applications for a variety of everyday tasks. Such agents range from talking heads on one's phone to situated robots in a shopping center, and their role varies from a simple information provider to an autonomous robot companion. My work has focused on situated robot agents which can communicate with the user in a multimodal manner. The goal is to study context-aware agents which can talk and use multimodal social signals as cues to infer appropriate reactions when interacting with human users.
In this talk, I will discuss reseach and development of such robot agents and review the many challenges that deal with technology as well as social and human issues related to trust, ethics, accessibility, and cooperation. I draw examples from my previous work on the WikiTalk application and the AICO corpus, and from participating in the recently started EU-JP collaboration project e-VITA, which is coordinated by the University of Tohoku.

2021 12/2 THU

16:00 - 17:30

復興記念教育研究未来館
復興記念ホール
（オンライン併用）

講 師

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略歴：Kristiina Jokinen is Senior Researcher at AI Research Center, AIST Tokyo Waterfront, and Adjunct Professor at University of Helsinki. Before joining AIRC, she was Professor and Project Manager at University of Helsinki and University of Tartu. She is Life Member of Clare Hall at University of Cambridge, and she has also been Invited Researcher at ATR Research Labs in Kyoto and Visiting Professor at Doshisha University in Kyoto.Her research concerns AI-based dialogue systems and multimodal dialogue modelling (speech, gaze and gestures) for human-robot interaction, and she has widely published on these topics including four books. She has had a leading role in multiple national and international cooperation projects, and she led development of WikiTalk, a Wikipedia-based robot dialogue system which won an award for Best Robot Design (Software Category) at International Conference of Social Robotics 2017. She is currently leading dialogue research on trustworthy virtual coaching in the EU-Japan collaboration project e-VITA.

アクセス

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