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OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY  
沖縄科学技術大学院大学

THEORETICAL SCIENCES VISITING PROGRAM

# TSVP TALK

## Language Use in Humans and Machines

2023  
THU. **Nov 30**

**15:00–16:00**

**HYBRID** L4E48, ZOOM



For zoom and other details scan QR code or visit [groups.oist.jp/tsvp](https://groups.oist.jp/tsvp)

Our ability to understand and produce language is one of humans' most impressive skills. We use language to exchange information, talk about the world, coordinate our actions, and establish rapport, among a myriad of other things. Computational Linguistics is a branch of Artificial Intelligence that makes use of machine learning methods to study human language and build computational models for automatic natural language processing. How can theories from linguistics and cognitive science inform AI models? And what can we learn about our own linguistic skills from such artificial systems? In this lecture, I will present some of our recent research using foundation models: self-supervised models trained on large quantities of data at scale.

University of Amsterdam

## Raquel Fernández

Raquel Fernández is Professor of Computational Linguistics and Dialogue Systems at the Institute for Logic, Language and Computation, University of Amsterdam. She received her PhD from King's College London and before moving to Amsterdam held research positions at Stanford University and the University of Potsdam. She is currently the recipient of a European Research Council (ERC) Consolidator Grant. Raquel's interests revolve around language use in interaction, conversational AI, language variability and change, and visually grounded language. Her research lab carries out work on these topics at the interface of cognitive science and artificial intelligence.



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