



# Institute of Cognitive Science

## Colloquium Series Winter Term 2021/22

### Wednesday, 5 pm (sharp), Online

- 20.10.2021 **The increasing role of sensorimotor experience in AI**  
– Richard S. Sutton, FRS (University of Alberta & DeepMind Alberta, CA)
- 27.10.2021 **Within-group cooperation and between-group conflict in wild chimpanzees (*pan troglodytes*)**  
– Liran Samuni (Harvard University, USA)
- 03.11.2021 **Toward a psychology of deradicalization**  
– John Horgan (Georgia State University, USA)
- 10.11.2021 **Towards multi-agent emergent communication as a building block of human-centric AI**  
– Angeliki Lazaridou (DeepMind, USA)
- 17.11.2021 **Data-driven reverse engineering: the perception–action loop**  
– Aldo Faisal (Imperial College London, GB)
- 24.11.2021 **Post-cognitivism and linguistic diversity: problems to solve**  
– Filippo Batisti (Ca' Foscari University of Venice, IT)
- 01.12.2021 **Prediction of spelling errors in freely-written texts of German primary school children**  
– Ronja Laarmann-Quante (University of Duisburg–Essen, GER)
- 08.12.2021 **Layers of primary visual cortex as a window into internal models about predicted and simulated environments**  
– Lars Muckli (University of Glasgow, SCT)
- 15.12.2021 **Are we overusing digital technologies?**  
– Marco Fasoli (IUSS Pavia, IT)
- 22.12.2021 **Deep representation learning for neural manifolds**  
– Smita Krishnaswamy (Yale University, USA)
- 12.01.2022 **Babies, bodies, and the world: The path to rapid learning from limited and noisy data**  
– Linda B. Smith (Indiana University Bloomington, USA)
- 19.01.2022 **Deep reinforcement learning and its neuroscientific implications**  
– Matthew Botvinick (DeepMind, USA & University College London)
- 26.01.2022 **Core Affect and its Discontents**  
– Valentina Petrolini (University of the Basque Country, ESP) & Marco Viola (University of Turin, IT)
- 02.02.2022 **What are we learning from language?**  
– Gary Lupyan (University of Wisconsin–Madison, USA)



This winter colloquium of the IKW is again online and open to everyone, whether first semester student, PhD, faculty or just an interested person. There is no better opportunity to learn more about innovative research by international and top of their field scientists. Each session starts with the main talk and ends with a discussion where especially students may ask their questions. Zoom links are provided via [dvalentini@uni-osnabrueck.de](mailto:dvalentini@uni-osnabrueck.de). We hope to see many of you!

– Daniele Valentini, Francesco Fanti Rovetta, Louis Loock (Organization Team)