

Workshop on Efficient Coding and Resource-Limited Cognition

Friday, May 10, 2019

- 8:30-9:00: Arrival and Breakfast
- Session 1:** *Efficient Compressed Representations* (Chair: Rava Azeredo da Silveira, ENS)
- 9:00-10:00: **Keynote Lecture:** Naftali Tishby [Hebrew University], “**Information Constrained Decision Making and Planning**”
- 10:00-10:40: Noga Zaslavsky [Hebrew University and UC Berkeley], “**Efficient Coding and the Evolution of Semantic Systems**”
- 10:40-11:10: **Break**
- 11:10-11:50: Matthew Botvinick [Google DeepMind], “**Deep Learning and Structure-sensitive Credit Assignment**”
- 11:50-12:30: Sophia Sanborn [UC Berkeley], “**Efficient Coding Under Reward: Compressing to Learn in Hierarchical Reinforcement Learning**”
- 12:30-13:00: **General Discussion**
- 13:00-14:00: **Lunch**
- Session 2:** *Imprecise Coding of Subjective Value* (Chair: Michael Woodford, Columbia)
- 14:00-15:00: **Keynote Lecture:** Andrew Caplin [NYU], “**Measuring Costs of Attention in Lab and Field**”
- 15:00-15:40: Filip Matějka [CERGE-EI], “**An Attention-Based Theory of Mental Accounting**”
- 15:40-16:10: **Break**
- 16:10-16:50: Alan Stocker [U Penn], “**Behavioral and Neural Signatures of Resource Limitations in Perceptual Inference**”
- 16:50-17:30: Rafael Polania [ETH Zurich], “**Efficient Coding of Subjective Value**”
- 17:30-18:00: **General Discussion**
- 18:00: **Adjourn**

Wireless internet is available via the *Columbia Unsecured* network and does not require a password.

We are grateful to Columbia University's Program for Economic Research for their support of this conference.