

ELLIS Program "Interactive Learning and Interventional Representations" Workshop

ellis 21 June 2021 - 21 June 2021 Workshop

21 June 2021 • 15:00 - 18:00

The ELLIS program for Interactive Learning and Interventional Representations (ILIR) decided to create a platform for the students and postdocs of program members, to present their work to all program members and to each other. To this end, all Fellows and Scholars of the program were invited to nominate speakers and topics, and we assembled a program. The initial plan was for a single workshop, but since there were so many high quality nominations, it was decided to have two workshops (June 14 and 21, 3pm-6pm CET via zoom).

The program, printed below, is representative of the different ELLIS program themes in ILIR. For questions please contact the program directors (Andreas Krause, Nicolo Cesa-Bianchi, Bernhard Schölkopf).

Monday June 14 2021

15:00-15:10 Introduction

15:10-15:30 Luigi Gresele: Independent mechanisms analysis, a new concept?

15:30-15:50 Jalal Etesami: Learning Randomly Translated Multivariate Hawkes Processes

15:50-16:10 Chaochao Lu: Nonlinear invariant risk minimization

16:10-16:30 Esther Derman: Reinforcement Learning with Execution Delay

16:40-17:00 Gellert Weisz: RL is hard, even with low-dimensional linear structure -- but all is not lost

17:00-17:20 Aviv Rosenberg: Oracle-Efficient Reinforcement Learning in Factored MDPs with Unknown Structure

17:20-17:40 Dhruva Tirumala: Behavior Priors for efficient RL

17:40-18:00 Julia Olkhovskaya: Efficient algorithms for adversarial contextual bandits and MDPs

Monday June 21 2021

15:00-15:20 Siqu Liu: Scalable Multi-Agent Learning in Real-World Games?

15:20-15:40 Pier Giuseppe Sessa: Efficient Learning in Games with Structure

15:40-16:00 Vitaly Kurin: Incompatible Multitask Deep Reinforcement Learning

16:00-16:20 Pierre Laforgue: Multitask Online Mirror Descent

16:30-16:50 Giulia Denevi: Conditional meta-learning

16:50-17:10 Fabio Cermelli: Towards open world semantic segmentation across domains

17:10-17:30 So Takao: Geometric deep learning for data-driven weather forecasting

17:30-17:50 Joshua Robinson: Improving contrastive learning with hard examples

17:50-18:00 Wrap-up

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