

# Generalization in deep reinforcement learning and the role of representation learning for sequential decision-making tasks

*Thursday, June 20, 2024 9:30 AM (1 hour)*

Abstract: The concept of generalization in the context of deep reinforcement learning will be explained along with the different elements that can be used to improve generalization. The key role of representation learning for improved generalization and interpretability will then be shown. Finally, the role of representation learning for exploration and transfer learning will also be discussed.

**Session Classification:** Keynote: Vincent François-Lavet (VU, Amsterdam)