Internship / Ph.D. opening in Reinforcement learning

Description

An open position for a master's internship (6 months) and a PhD is being opened at Telecom Paris in the RMS (Networks, Mobility, Services) team. Telecom Paris is a part of IMT (Institut Mines-Télécom) and a founding member of Institut Polytechnique de Paris. The project is part of the PEPR "Réseaux du futur".

Context

The topic of the project is about Reinforcement Learning for Scheduling Ultra-Reliable Low-Latency Communications (URLLC communications in 5G). The aim is to design simple agent or multi-agent reinforcement learning algorithms to solve the problem of scheduling URLLC communications on the uplink, between terminals and the base station.

Objectives

The candidate is expected to conduct experimental and/or theoretical research in the context of wireless networking systems.

The goal would be to extend the work done in the following publication:

https://arxiv.org/abs/2308.14523

Ideally, the internship would continue into a PhD, but independent applications are also welcome.

How to apply

The candidates must send an email to: `marceau [dot] coupechoux [at] telecom-paris [dot] fr` which must include an up-to-date CV, and the list of master's and bachelor's grades.