Resource Allocation with Multi-Agent Reinforcement Learning

The goal of the thesis would be to build a Wireless Resource Allocation Framework to optimize task offloading in Multi-hop, Multi-path networks.

The approach is to develop an optimization problem to allocate network resources to users for task offloading and to solve this problem using Multi-agent Reinforcement Learning.

Related Reading:


If you are interested in this work, please send me an email with a short introduction of yourself along with your CV and grade transcript.

Prerequisites

- Strong Python programming skills
- Strong foundation on wireless communications
- Experience with Reinforcement Learning

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Advisors

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