Multi-path Multi-hop Task Offloading in Heterogeneous Networks

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

The approach is to develop an optimization problem to allocate wireless and compute resources to users and to solve this problem using Reinforcement Learning.

Prerequisites

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

Contact

hansini.vijayaraghavan@tum.de

Advisors

Hansini Vijayaraghavan