

## **Algorithms for planning and configuration of wireless backbone networks**

Short Description:

5G networks exhibit interesting algorithmic challenges. The proposed projects deal with planning and configuration of wireless networks that serve as the backbone networks between base-stations and gateways in 5G networks.

The goal is to design and implement algorithms for various tasks, including: choosing links, determining link parameters (e.g., frequency channel, power, bandwidth), and routing.

There is a possibility for students that are willing to spend their full time on the project to be awarded a scholarship