Master Thesis –
Dawn to get Wi-Fi Mobility Data into CU-CP

GitHub - berlin-open-wireless-lab/DAWN: Decentralized WiFi Controller

Background
Mobile networks are used all over the world and are the corner stone for the networked society, where everything will be connected. To support the vast amount and diversity of data expected in future networks, Ericsson develops products to drive and support the networked society. The subject for this Master Thesis is defined to investigate and develop algorithms, architecture, tools etc. to support huge increase of speech, data, and massive IoT for Radio Access Networks.

Thesis Description
In newer WiFi-standards there is improved support for centralized mobility control. Set up a small test bed to allow collection of relevant WiFi mobility data. Attempt to correlate mobility data between WiFi and 3GPP domain. Evaluate differences in available mobility data and control actions.

The thesis will be concluded with a result presentation for the Ericsson team.

Qualifications
This project aims at students in electrical engineering, computer science, computer engineering or similar.

Extent
1-2 students, 30hp each

Location
Ericsson AB Mjärdevi, Linköping

Preferred Starting Date
Spring 2023

Keywords
SW development, Mobile Telecommunication, Optimization.

Contact Persons
Camilla Bodin
+46 724 66 67 56
camilla.bodin@ericsson.com

Johnny Blid
+46 761 49 70 72
johnny.blid@ericsson.com