
**Background**
Mobile networks are used all over the world and are the corner stone for the networked society, where everything shall be connected. To support the vast amount and diversity of data expected in future networks, Ericsson are developing products to drive and support the networked society. The subjects for Master Thesis are 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 a distributed radio network environment the network stability and reliability are essential. Such a network can have natural variations but also faulty behavior.

**Task**
- Develop and evaluate algorithms and machine learning to identify network issues from natural variations.

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 2021

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**Contact Persons**
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