Introduction to mobile communication - 34330
SON - Self-Organizing Networks

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Henrik Lehrmann Christiansen, Department of Photonics Engineering

Frederik Rander Andersen, s164146

DTU Fotonik
Department of Photonics Engineering

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CHAPTER 1

SON - Introduction and overview

1.1 Introduction

All mobile networks need to be managed and as systems become more and more complex, the need for better and easier ways to manage them are important as ever. LTE (Long Term Evolution) is the newest technology and also the most complex. Therefore, in LTE, management needs to be as good as possible. SON (Self-Organizing Networks) is a very promising area for providers, as it makes managing networks cheaper, more efficient and easier. The goal of SON is basically to reduce the need for technicians and increase the network capabilities, such that the network will be as good as possible in regards to coverage, capacity and user experience.

1.2 Overview

1.3 Why SON?

The reasons for using SON are very obvious from a provider standpoint. First of all, the cost of a Self-Organizing Network should be much lower

CHAPTER 2

Self-configuration

CHAPTER 3

Self-optimization

CHAPTER 4

Self-healing

Bibliography

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