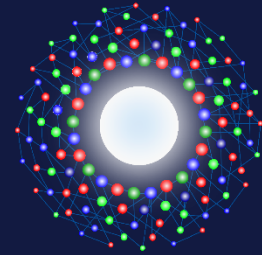# CHALMERS
UNIVERSITY OF TECHNOLOGY

25th International Conference on Optical Network Design and Modelling

June 28 – July 1, 2021 Gothenburg Sweden

ONDM 2021

Title: AI-NET-PROTECT Workshop

Schedule: June 29, 2021, start time: 13:30, end time: 15:30 CEST

 (https://ondm2021.chalmers.se/full-program/)

Organizers:

- Carmen Mas-Machuca, TUM, Germany

- Lena Wosinska, CTH, Sweden

Description:

Network evolution has lately been led by new mobile technologies (5G/6G), edge-centric computation, and artificial intelligence. The protection of critical data as well as guaranteeing various stringent service requirements such as very high throughput, ultra-low latency, high availability, and security, are some of the challenges faced by network operators, which are also addressed in this workshop.

The workshop is proposed by the CELTIC-Next flagship project AI-NET PROTECT (Providing Resilient & secure networks [Operating on Trusted Equipment] to CriTical infrastructures), which aims at providing automated resilience and security for networks operated on trusted equipment, critical infrastructures and enterprises. During the workshop, different case studies on network automation and machine learning performed in the frame of the project will be discussed.

The workshop will consist of 7 short presentations given by the representatives from Network operators, system providers and academia, and will finish with a panel discussion.

Speakers:

1. Achim Autenrieth
ADVA, Germany
Title of the talk: AI-NET Umbrella introduction to the automation topic

2. Stefan Melin
Telia Company, Sweden
Title of the talk: Open disaggregated networks, TIP view

3. Johan Sandell
Lunet, Sweden
Title of the talk: ML-based analysis of telemetry data from FTTH systems

4. David Hoch
Infosim, Germany
Title of the talk: Automated Network & Service Management and Telemetry

5. Stefan Karlsson
FMV, Sweden
Title of the talk: To PROTECT optical fibres from eavesdropping

6. Behnam Shariati
HHI, Germany
Title of the talk: Data Marketplaces for the Realization of Autonomous Networks: Opportunities and Challenges

7. Joost Adriaanse
TNO, Nederlands
Title of the talk: Automation in IoT security