

INCOM NEWSLETTER 38; FRIDAY JUNE 19TH 2020

INVITATION TO CO₂ WEBINAR THIS UPCOMING MONDAY

As a result of the high profiled INCOM activities, DTU Fotonik and Telia have been invited to join a pilot project "DaCOto" headed by the Alexandra Institute from Aarhus. The purpose of the project is to investigate which parameters to measure and how to calculate the CO₂ footprint from IT services - including data consumption, transmission, storage, analysis etc. The project will also map and describe what types of models, calculation methods, standards, and certifications are needed to develop if IT companies are to be able to make reliable and comparable energy and CO₂ calculations. Other industrial partners are DigiPlex, CIBICOM, Rejooose and KMD plus DI-Digital and the Danish ICT association (IT BrancheForeningen). It is a small project mainly disseminating what the partners already know in public webinars. The first webinar takes place this Monday June 22nd, 2020 from 12:30 – 14:00 and anyone interested is welcome to attend. You can read more about the Danish webinar and sign up [here](#).

TESTBED FOR E-HEALTH IN INCOM LAB

As part of the IoT activities within the INCOM test lab a complete end-to-end system is about to be implemented to test and validate e-health or telemedicine application. (After lab tests in the autumn some field tests are planned in collaboration with Aalborg University and Viborg Hospital as part of the Future Patient). The initial focus will be on the support of heart-patient at home or in public areas with real time and online monitoring of health condition – and early warning systems from deep-learning algorithms in the back-end cloud. The systems – that later will be made more generic – have a strong focus on low power consumption of battery driven body sensors and communication systems as well as security and reliability (collaboration between Aarhus University and DTU).

VACANT PHD POSITION AT NVIDIA/MELLANOX

An EU funded Horizon 2020 Marie Skłodowska-Curie Innovative Training Network (MSC ITN) PhD position is available at the Software Architecture team of NVIDIA/Mellanox starting October 2020. The position will look on how to integrate offload layers for use plane functions (UPF) in mobile edge computing nodes through hardware offload, allowing hyper-scaling of the manageable throughput. The work will rotate around the latest generation of network interface cards supporting virtual network functions (VNF) and towards implementing a fully virtualized remote access node (RAN) system. The Software Architecture team is at the forefront of R&D in NVIDIA/Mellanox, the networking division of NVIDIA. A multidisciplinary team working on future looking technologies to enable massive AI through smart end-to-end networking. The IoTalentum ITN is an EU funded international consortium of academic research centres, universities and companies to work on novel technologies in the area of IoT networks. 15 early stage researchers will join this project to conduct PhD studies in the area. Partners include Aalborg University, Telefonica, Eindhoven University of Technology, and Wind Tre, among others. Please contact Juan José Vegas Olmos for further information; juanj@nvidia.com.

WORKING GROUP ON INCOM-II

To agree on a joint vision for an INCOM-II proposal, a working group is formed where suggestions and thoughts of a future proposal will be discussed. Several INCOM partners have already signed up for the working group and the first video meeting will take place in a month's time.