

# INCOM NEWSLETTER 18; FRIDAY JUNE 21<sup>ST</sup> 2019

## NEW DEVELCO PHD BEGINS HIS RESEARCH IN CLOUD-BASED IOT SECURITY

**Mohammed Kemal** has now started his research in IoT security and reliability at **Develco Products**. Mohammed's role in INCOM is at task 3.4, focusing on cloud-based IoT security with the partners Chocolate Cloud, Aarhus University, Telia, and DTU. Develco Products is the lead partner at subtask 3.4.1 titled "end-to-end secure IoT platform" which aims to design and implement a secure IoT platform, using state-of-the-art hardware components from Develco Products and cloud solutions from Chocolate Cloud. The security system design will be driven by an end-to-end threat analysis, and the designed platform will undergo thorough vulnerability testing. Mohammed will be working together with the R&D team at Develco Products, focusing on the reliability and security of Develco Products' IoT platform. The research approach will involve: 1) assessment of the current level of cybersecurity of the IoT platform through identification of the main functionalities of the systems to evaluate the potential threats which need to be addressed through design, installation, and operation of this system, 2) construction of models of unreliable network scenarios through vulnerability testing, for example designing cyber-attacks to test the IoT platform in partnership with research partners at INCOM project, and 3) evaluation and analysis of the reliability of the system using the cyber-attack models and proposals of solutions that can strengthen the security level of the IoT platform.



## NEWS FROM THE INCOM TEST LAB



Last week and after a 2-months delay from the rack provider, we finally received the first order of 9 ETSI racks for the Alcatel equipment. We have already started to mount some shelves and to test the equipment with the management system. We hope to give you more news soon on further milestones that we reach.

## PRESS – FORWARD THINKERS AT HIGH TECH SUMMIT

INCOM project got coverage in the DTU High Tech Summit Newsletter, June 12<sup>th</sup> where Head of INCOM, Niels Hersoug was interviewed about the INCOM domain. You can read the article [here](#). INCOM Autumn Event is being organized as a full conference track at the [High Tech Summit](#) conference, October 30<sup>th</sup>, 2019 as an integrated track on 'Business Inside Technology'. The conference will take place at DTU.

## PRESS – HOW MUCH ENERGY DO YOU WASTE ON NETFLIX WATCHING?



Prominent coverage in Videnskab.dk and Jyllands-Posten June 17<sup>th</sup> about the energy-friendly internet. Prof. Leif K. Oxenløwe and two more researchers give advices to the most energy-friendly internet giants. "If you as a private consumer buy organic milk, the market mechanisms will ensure that more organic milk gradually goes on the grocery shelves at the supermarket. Moreover, if people suddenly start dropping Netflix, Netflix might start thinking about the source where they get their power from, so it cannot hurt. But the greatest effort should be in research and development of better technologies", says the DTU Professor Leif. K. Oxenløwe. You can

read the full article (Danish) in Videnskab.dk [here](#) and Jyllands-Posten [here](#).

## SHAREPOINT SITE – PRESENTATIONS AND PICTURES FROM THE INCOM SPRING EVENT

Let us once again remind all INCOM staff about the INCOM SharePoint site. On the site, you will find presentations and pictures from the internal INCOM Spring Event, which took place on May 23<sup>rd</sup> at DTU, and there might even be pictures of you! To access the SharePoint site as an INCOM member you need to sign the GDPR documents sent to you early spring. You can request the documents again from Charlotte ([cmla@fotonik.dtu.dk](mailto:cmla@fotonik.dtu.dk)) if you missed to receive the documents previously. When you have signed and returned the documents to PMO, you will be granted a personally tailored access to the INCOM SharePoint site.

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