

## A proposal for a Nordic IIoT MSc curriculum (D8)

By the end of 2022 the Hub will come up with a proposal for a Nordic IIoT master level programme (Deliverable 8).

Educating the next generation of engineers to be able to design and develop the rapidly increasing need for Internet of Things devices is imperative. The goal of the report is to determine the preferred content of a

Nordic Industrial IoT MSc curriculum. The report will also address how such a curriculum could be implemented in a shared way by making use of the tools and teaching methodologies developed in the Hub.

Please contact the editors (Karl-Erik Årzén/Ivan Ring Nielsen) if you want to be involved in this work.

## Jan Sramota from NTNU graduated recently. Please read his experiences

As time progressed and three years of doctoral studies passed, I successfully defended my dissertation and received the title of Doctor of Philosophy. Despite the regular difficulties that accompanying most doctoral studies, there were activities I were looking forward to and I always had as a reward. In my case, it was conferences, summer schools and other networking events. From my experience I enjoyed these events 'only' when they were on a high level and gave me opportunity to learn new things. I would therefore recommend joining primarily such events that are highly relevant to your studies.

I had very positive experiences with summer schools in Scandinavia that were organised by the Nordic IIoT Hub. I attended the Trustworthy Highly Autonomous Cyber-Physical Systems (CPS) organised by KTH and Halmstad University; and Edge and Fog Computing organised by DTU. Even now when I work in SINTEF bridging industry and academia, I try now and then to attend some of these events as I find them insightful.

## Upcoming IIoT Events

Several IIoT events are scheduled in the Autumn semester. Please consider joining one of these events:

- Scandinavian conference on System and Software Safety  
22-23 November, Gothenburg
- TECoSA Seminar: Efficient Inference at the Edge  
3 November, 15:00-16:00 (Virtual)
- TECoSA Seminar: Dynamic Games for Cyber Detection  
6 October, 15.00
- WASP Industry Days 2022  
19-22 September, Norrköping and Gränsö, Västervik
- Aalto FCAI: Data, AI and Public Sector Governance  
15 September at 13:00 (Virtual)

Please consult <http://www.nordic-iiot.org/events-page/> for more information.

## Student statistics

The Hub started in January 2018 with 28 PhD students. Regular enrolments have increased the affiliated number of students to today's 55. From these students, 19 have graduated with the following institutional distribution:

Institution	Enrolled	Graduated
DTU:	19	8
LTH:	16	7
KTH:	7	2
NTNU:	4	1
Aalto:	9	1
TOTAL	55	19

The students are grouped in four thematic areas:

- Networking (18 students)
- Fog/Edge computing (14 students)
- Cloud computing (11 students)
- Data analytics & machine learning (12 students)