

## Nordforsk Position Paper accepted

Recently Nordforsk made a call for *Fast Track publications* from ongoing projects to capitalize on the research results and knowledge that has been built during the first years of Vision 2030. From all the papers our was chosen as the opening article providing an overview of "Digital

Technologies for a Sustainable Nordic Future: Challenges, Opportunities, and Policy Implications

Thanks to Paul, Martin Sonia Yeh (Chalmers) and Haydn Thompson (THINK Group, UK) for drafting this political statement paper.

## Student Workshop in Helsinki

On 29-31 August our Hub students gathered at Aalto University. The three-day programme was organized by Jaakko (Aalto) and Kartikeya (DTU) with the following themes:

Tuesday:

- Tour at the mechatronics engineering labs at Aalto
- Vesa delivered a faculty and Hub greetings
- Errol's keynote on 5G and drones, a marked perspective
- Dinner at a local restaurant

Wednesday:

- A professional communications coach taught a workshop on constructing and delivering a 3 min pitch on our research
- Kartikeya organized a workshop for building a wearable IoT device that could become for example a solar powered smartwatch-like device

- Professor Yu Xiao gave a talk on her lab's research followed by a tour of their lab, where students got to try out a virtual sauna that explored how the VR experience could be augmented by other senses, such as heat

Thursday:

- Excursion to Mallefer Extrusion company
- Tour of their R&D facilities and a look at a few new products that integrate AI with process- and quality control
- Talk and discussion how the smart manufacturing industry is embracing IIoT to address the data driven transition of moving beyond Industry 4.0

The variety of the programme intentionally allowed a cross disciplinary exchange of knowledge among the Hub students present from four Nordic Hub universities.

## Yearly IIoT Hub meeting in Stockholm

The agenda for the Yearly meeting in Stockholm is currently being drafted.

Apart from the trivial status updates from the partners, the overall theme will be how the Hub can achieve a broader focus on "sustainability." To achieve input for this we will get invited speakers from as well academia as industry to address this widening.

If you want to read some more material about the sustainability you may look into our recent policy paper drafted by Paul and Martin et al.: Digital Technologies for a Sustainable Nordic Future: Challenges, Opportunities, and Policy Implications:

<https://www.nordforsk.org/2023/fast-track-vision-2030>

Input and suggestions for the Yearly technical program are welcome!

The Yearly meeting is scheduled on 16-17 November.

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## Hub student paves the way to industry

At the recent Hub workshop in Espoo an excursion to Maillefer Extrusion was organized by our former Hub student Jussi Hanhiova from Aalto.

Jussi is a PhD student with the Hub and has completed most of his studies, sans thesis defense. However, he has already started a carrier at Maillefer and thereby he facilitated the collaboration channel between academia and an industrial partner.

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## Hub calendar

Embedded Systems Week, 17-22 September, Hamburg

Workshop on Beyond Traditional Sensing for Intelligent Transportation. 24 September, Bilbao

TECoSA: Explainable Reinforcement Learning for Telecom, 29 Sep., 12.00-13.00

TECoSA: Configuration of Dependable Edge Computing Platforms for Virtualized Critical Control Applications, 5 October, 15.00-16.00

WASP Industry Days, 6-7 November, Västerås, SE

Nordic IIoT Hub Yearly meeting, 16-17 Nov., Stockholm

