

Workshop on Beyond Traditional Sensing for Intelligent Transportation

On 24 September in Bilbao (ES), the Nordic IIoT Hub is co-organizing a workshop on Beyond Traditional Sensing for Intelligent Transportation.

Xenofon Fafoutis, DTU is on the Organizing Committee.

All Hub students are encouraged to submit papers to the workshop. Important days:

- May 15, 2023 - Submission deadline for workshop papers
- June 30, 2023 - Notification of paper acceptance
- July 31, 2023 - Final paper submission deadline

More info:

<https://btsit2023.compute.dtu.dk>

TECoSA position paper on “Trends, Drivers, and Strategic Directions for Trustworthy Edge Computing in Industrial Applications”

Recently our professors James Gross and Martin Törngren, et al, published a position paper. The paper summarizes and assesses the current trends and drivers regarding edge computing. In their analysis, edge computing provided by mobile network operators will be the initial dominating form of this new computing paradigm for the coming decade. These insights form the basis for more advanced use cases, including

AR/VR/Cognitive Assistance, cyber-physical systems, and distributed machine learning. The article further elaborates on the identified strategic directions given these trends, emphasizing testbeds and collaborative multidisciplinary research.

You may get the full paper via your university's subscription from: INCOSE, Insight, Volume 25, Issue 4

2023 Summer schools – reminder!

As mentioned in the last newsletter you are encouraged to enrol one of the pre-selected European Summer schools, i.e.:

Summer School on Cyber Physical Systems and Internet of Things, Budva, ME

The International Cyber Security Summer School, Leiden, NL

Industry 4.0 Summer School, Aachen, DE

Methods and tools for resilient industrial IoT, Munich, DE

Please contact your supervisor if you are considering attending one of these Summer schools. Your participation will be covered by the Hub budget.

Spinn-offs from KTH

Based on their research work, two PhDs from our KTH group have established spin-off companies:

Jad El-khoury established the company Lynxwork with the aim to support engineering organizations with the methodology and tools to share and collaborate through their product data. In practice, they provide a toolbox for information modelling and API development.

Lars Svensson established the company Nordic Forestry Automation with the aim to apply technology concepts from the robotics and autonomous vehicle domain to create new tools for precision forestry. Digital tools and automation enable precise, optimal decision making in forest management, which is needed to realize the full potential of our forests in terms of supplying sustainable raw materials/fuels, carbon capture and biodiversity.

Hub calendar

Addressing Uncertainty in the Safety Assurance of Machine-Learning.
6 April, Stockholm

WASP4ALL 2023: Building the future Cyber Security landscape.
1 June, Stockholm

Computation offloading in Edge and cloud environment: Survey, taxonomy, applications and open challenges.
1 June, Stockholm

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

Access to IIoT Equipment

Please remember that our PhD students can get access to IIoT equipment at all eight university departments involved in the Hub.

The IIoT equipment that can be exploited by the Hub students ranges from simple standalone set-ups to fully equipped labs or prototyping facilities. Apart from a brief description of the equipment the students can access user manuals and contact persons for support.

Please consult the below list:

<http://www.nordic-iiot.org/doctoral-school/rd-facilities/>

