



**FINNISH  
INDUSTRIAL  
INTERNET  
FORUM**

FIIF Newsletter 6/2021

**DIMECC**

## Hybrid events, ahoy!

We are quick at making decisions! In the August FIIF Newsletter we told you that, in order to comply with the mindset and regulations, FIIF will “continue organizing online events only – at least for time being”. That ended up being a fairly short “for time being”, as we are now ramping up our events calendar with the assumption that the **upcoming FIIF events will be hybrid events**. They will have a physical place where you can come and meet with the presenters and other event participants. But you will also have an option to participate online (via Teams meeting), listen to the presentations, comment, and ask questions. The choice is yours. We hope that this arrangement offers best of both worlds. This FIIF Newsletter starts with a round of applause: FIIF Partner **Wirepas** has been recognized by Frost & Sullivan for its “**2021 New Product Innovation Award**”. Great achievement! Also, a new network (**FAMN, Finnish Advanced Manufacturing Network**) has been established to accelerate digitalization of the Finnish manufacturing industry. The rest of the newsletter contains updates to fall's event calendar. We have detailed information about two hybrid events, on October 26 (“**Edge AI in Industry**”) and on November 11 (“**Extended Reality in Industry**”). There will still be updates to the events, so regular visits to the Events section in FIIF's web pages will help you stay on board and well informed!

The next FIIF Newsletter will be published in **late November**. If you have material that you would like to be included in the FIIF Newsletters or otherwise distributed to the FIIF community members, please contact the FIIF Manager ([fiif.manager@dimecc.com](mailto:fiif.manager@dimecc.com)). You can also suggest a topic for a FIIF event or activity or offer to give a presentation at a FIIF event.

FIIF Manager also maintains the FIIF mailing list, which is used to distribute information to contact persons. Please contact the FIIF Manager regarding any changes to the **FIIF mailing list**.

See you in the coming events!



**Risto Lehtinen**

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**Follow us on Twitter (@FIIF\_catalyst)!**

Re-tweets are highly appreciated!

## FIIF Partner Wirepas recognized by Frost & Sullivan for “2021 New Product Innovation Award”

Each year, Frost & Sullivan presents its New Product Innovation Award to the company that has developed an innovative element in a product by leveraging leading-edge technologies. The award recognizes the value-added features/benefits of the product and the increased return on investment (ROI) it gives customers, which, in turn, raises customer acquisition and overall market penetration potential.

In 2021, FIIF Partner [Wirepas Oy](#) received this award for addressing industrial IoT requirements with its ground-breaking Wirepas Private 5G Solution. Operating on a dedicated global spectrum, it will be the world's first non-cellular 5G connectivity product.

Wirepas Private 5G allows enterprises to connect millions of devices even in the toughest, most demanding environments. Without SIM cards, subscriptions, or heavy infrastructure, it enables any enterprise to set up its own self-managing on-premise network in a private environment. It works without any middlemen and delivers all the benefits of 5G.

More information available [here](#).

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## FAMN launched!

Technology Industries of Finland (TIF) has launched a global and virtual network to accelerate digitalization and future-proof the competitiveness of the Finnish manufacturing industry and its value and innovation networks. The **FAMN (Finnish Advanced Manufacturing Network)** network will bring together various advanced manufacturing and ICT innovation networks and ecosystems in Finland, and help companies find the right networks, ecosystems, projects, test beds, or research infrastructures for their specific needs. Special attention will be set to initiatives focusing on automation, sharing and use of industrial data, Artificial Intelligence, and Machine Learning.

The FAMN network is established, driven, and led by its member companies and facilitated by DIMECC Oy. In practice, FAMN will be built by expanding DIMECC's existing Intelligent Industry ecosystem and leveraging its structures and practices. Funding will be based on membership fees, which vary depending on the size of the company. FAMN will also apply for public funding from Business Finland. Technology Industries of Finland will take a supportive role and a seat in FAMN's Management Team. Companies that are interested in joining FAMN or in getting more information about the network, should contact DIMECC without delay. FAMN will start its operations at the end of 2021.

Link to FAMN [press release \(in Finnish\)](#).

FAMN contacts at DIMECC:

Mr. **Antti Karjaluo** (e-mail [antti.karjaluo@dimecc.com](mailto:antti.karjaluo@dimecc.com), tel. +358 40 7725440)

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## FIIF Event on “Edge AI in Industry” (Tuesday, October 26 at 9:00-12:30) hybrid event in Tampere (Platform6) and online



Industry gathers data from machinery and other equipment at an unprecedented accuracy in near real-time. Edge computing means that data is analyzed and processed close to the device or sensors collecting the data. This decreases the amount of data transfer needed, which saves time and money. When edge computing is combined with new technologies such as machine learning, computer vision and 5G, it is possible to reach unprecedented accuracy in situational awareness and predictability.

### Program:

9:00 Opening

"Optimizing AI for Edge" / **Kai Knuutila**, SiloAI

"Nokia Digital Automation Cloud" / **Juhani Ahonen**, Nokia

"Adacorsa: Pilot case for drones, forestry and AI powered analysis at the edge" / **Marko Elo**, CrossControl

"Shape next generation cloud supply for Europe" / **Timo Haapavuori**, Magic Cloud

"Edge AI in Cyber-Physical Digital Services Provisioning" / **Daniel Pakkala**, VTT

Q&A and discussion

12:30 Closing

When	Tuesday, <b>October 26, 2021</b> at 9:00 – 12:30
Where	Platform6 (Åkerlundinkatu 8, Tampere) and online
Cost	Free for employees of FIIF partner organizations
Contact	Dr. Arto Peltomaa, DIMECC Oy (e-mail <a href="mailto:arto.peltomaa@dimecc.com">arto.peltomaa@dimecc.com</a> , tel. +358 40 5511434) More information on the <a href="#">event web page</a> . Registration via <a href="#">this link</a> .

## FIIF Event on “Extended Reality (AR/VR/XR) in Industry” (Thursday, November 11 at 9:00-12:30) in Helsinki and online

Extended reality (XR) is an emerging umbrella term that encompasses immersive technologies, such as Augmented Reality (AR), Virtual Reality (VR), and Mixed Reality (MR). The increasing demand for reducing the distance between people and richer visual content is driving market demand. Use of XR in different industry applications is currently growing rapidly.



### Program:

09:00 Opening

“The underlying reality of industrial X realities” / **Kari Peltola**, Wakeone

“Industrial XR solutions” / **Jaakko Mattila**, Elomatic

“Industrial work instructions revolutionized” / **Pontus Blomberg**, PDSVision

“IgluoVision’s virtual cylinder and Sensoryx’s digital gloves” / **Mika Nikander**, TAMK

“Why does your company need an XR strategy?” / **Mikko Alanko**, Stereoscape

Q&A and discussion

12:30 Closing

When	Thursday, <b>November 11, 2021</b> at 9:00 – 12:30
Where	Hotel Clarion (Tyynenmerenkatu 2, Helsinki) and online
Cost	Free for employees of FIIF partner organizations
Contact	Dr. Arto Peltomaa, DIMECC Oy (e-mail <a href="mailto:arto.peltomaa@dimecc.com">arto.peltomaa@dimecc.com</a> , tel. +358 40 5511434) More information on the <a href="#">event web page</a> . Registration via <a href="#">this link</a> .

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## Upcoming FIIF Event on application of AI/5G/Edge (timing: January 2022)

In 2020, Nokia was chosen as one of the winners of Business Finland's leading company challenge competition (“the Veturi challenge”). The three-year [AISA project](#) (AI-based Situational Awareness), which began in June 2021, is part of a program led by Nokia, in which Finland will become a trailblazer in industrial 5G networks.

The utilization of situational awareness created by artificial intelligence and versatile sensing are central to the AISA project. Leveraging high speed edge computing and the ultra-low latency power of 5G networks will also ensure that industrial applications have rapid response times. The partners of the AISA project are Nokia Technologies, Valmet Automation, Mirka, Insta, Top Data Science, Ficolo, Tampere University, and DIMECC (project facilitator).

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## “Twin Transition Day” – DIMECC’s 14th Annual Seminar 2021 (November 17 at 8:30–19)



DIMECC's Annual Seminar 2021 will be organized in co-operation with Business Finland and Kalmar. The theme of this event is: “Tw in Transition Day – How digital transformation and sustainability development drive companies to success?”.

This event is organized at **Kalmar Technology and Competence Center in Rusko**, Tampere (address: Ruskontie 53, 33720 Tampere). Bus transportation will be arranged between Tampere railway station and Rusko before and after the seminar.

### Preliminary program :

Opening words & welcome

“Data-based value creation through twin transition” / **Heli Koski**, Research Director, ETLA

“Future proof business in industrial sustainability” / **Päivi Koivisto**, VP Sustainability, Cargotec Oyj

“Fossil-free Steel” / **Jarmo Lilja**, Process Development Manager, SSAB

“Case Wärtsilä” / NN, Wärtsilä

Panel discussion

“Topic TBD” / **Henry Haverinen**, Senior Cybersecurity Leader, Insta

“EU funding info” / **Eina Holmberg**, Senior Director, Business Finland

“Business Finland programs” / **Toni Mattila**, Head of Sustainable Manufacturing & **Kirsi Kokko**, Head of Digital Trust Finland, Business Finland

“DIMECC – Ecosystems & Programs” & DIMECC Prize / **Harri Kulmala**, CEO, DIMECC

Networking & Demos at Kalmar Technology and Competence Center during the day

More information is available on the [event web page](#). FIIF partners are welcome to participate in the event. Please leave your contact information [here](#) and you will be noted when the registration opens.

## Demobooster Tampere

**Demobooster** is an innovation service for rapid commercialization. It provides a collaboration platform for companies hunting for killer applications through strategic partnerships: an innovation highway from ideas to products. **Demobooster Tampere** will be arranged during the fall of 2021 in co-operation with **Business Tampere** and the idea is to give especially the companies in the Tampere region an opportunity to boost their innovation.

If you are interested in participating, please do not hesitate to contact us as soon as possible!

Mr. **Risto Lehtinen** (e-mail: [risto.lehtinen@dimecc.com](mailto:risto.lehtinen@dimecc.com), tel. +358 50 555 3900)

Ms. **Doris Pryjma** (e-mail: [doris.pryjma@dimecc.com](mailto:doris.pryjma@dimecc.com), tel. +358 40 840 6700)

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## FCAI & FAIS event: “AI Finland & AI Day 2021: Reboot with AI” hybrid event (Thursday, November 4 at 9:30-18:00) in Espoo and online

AI Finland 2021 and AI Day 2021 joint hybrid event is happening in Dipoli, Espoo, Finland and virtually worldwide. The main theme is “Reboot with AI – Impact leadership and foresight with AI”. The subthemes include AI in space tech, quantum, health and 6G, regulation and ethics. The event brings out the latest news and looks to the future of AI in business, research, and public services – top speeches, panel discussion, streams, show cases and networking, all in one day.

The same content and streams will be available on-site in Dipoli, Espoo, Finland, and virtually, with interactivity and networking connecting the online and on-site audiences. **The virtual event is free of charge.** If you want good old networking, have breakfast and lunch with colleagues, buy a ticket to the on-site event. The price for tickets to on-site event is 180€ and it includes, besides the event program, a breakfast from 8.30 am to 9.30 am, lunch & fun, refreshments during the day and networking and cocktails from 6 pm to 7 pm.

[AI Day event site](#)

AI Finland & AI Day 2021: [Reboot with AI event site](#):

Please follow the event news on the event webpage and social media (#AIFinland2021 and #AIDay2021).

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## Webinar on “EMC and ESD Testing and Simulation” by KOTEL and Centria (November 23-24)

This seminar is organized in co-operation between KOTEL and Centria UAS (TRAIN-ECO project). It is designed for industry professionals and is useful for designers, manufacturers, and users of electric and electronic products.

The presentations focus on **implications of EMC and ESD** in real-world scenarios, testing, and simulation needed to assure product compliance in EU, UK, US, and Canada as well as in other markets.

**Registration fee for this two-day webinar is 30 €/person** (including VAT 24 %) and it is non-refundable.

Registration through this link. More information is available in the event brochure which can be downloaded here.

Contact person at Centria: Mr. **Antti Takalo** (e-mail [antti.takalo@centria.fi](mailto:antti.takalo@centria.fi)).

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