

## The first look into the Fall of 2023

In this newsletter we are focusing on the upcoming FIIF events.

There is detailed information about this spring's last FIIF event focusing on Autonomous Mobility in Smart Spaces, a.k.a. the VAMOS ecosystem. It is organized on **June 15, 2023** in Tampere.

There is also the first peek into next fall's event offering. Please let us know if you are interested in contributing as a presenter to any of these events. We like presentations of real-life business cases and insider viewpoints that make theories and technologies more concrete.

You can also propose new topics for FIIF events. Send your comments and suggestions to [FIIF Manager](mailto:fiif.manager@dimecc.com) or use the FIIF event registration form.

FIIF's event calendar will be updated continuously, so regular visits to the Events section in FIIF's web pages will help you stay on board and well informed!

This spring's last FIIF Newsletter will be published later in **June 2023**.



**Risto Lehtinen**

FIIF Manager

DIMECC Oy

tel. +358 50 5553900

e-mail [fiif.manager\(at\)dimecc.com](mailto:fiif.manager@dimecc.com)

## FIIF Event: Autonomous Mobility in Smart Spaces (Thursday, June 15 at 9:00-12.30, Tampere and online)



VAMOS Ecosystem, established in 2022 with support from partner companies and Business Finland, is an innovation cluster that focuses on autonomous mobility in smart spaces. VAMOS

seeks to connect relevant technology and service providers with end users, value ecosystems, and OEM providers from various vertical industries. Increasing the level of automation and real-time processing of data in a sustainable fashion can make a tremendous impact to safety, efficiency, and carbon footprint of transportation. These changes open significant business opportunities globally for technology companies that operate with autonomous and smart technologies.

### Program:

"VAMOS ecosystem for autonomous mobility in smart spaces", Dr. **Sanni Siltanen**, DIMECC

"Robots in future hospitals", **Timo Kupsa**, Ceterio

"Automated marshalling for efficient vehicle logistics", **Kari Pulkkinen**, Unikie

"Localizing mobile machines in GNSS-challenged areas", **Mika Vainio**, GIM Robotics

"Posiva Underground Facilities" **Jarkko Stenfors**, Posiva

The event is organized at Platform6 (address Akerlundinkatu 8, Tampere) and online. More information on the event [web page](#). Register to the event [here](#).

## Planning for the Fall of 2023

Below you can find a list of candidates for FIIF events for the fall of 2023. This is not the final list, but a starting point for further discussions and for more detailed planning. We aim to organize 4-5 FIIF events during the fall.

Please let us know what you think about these topics. Also, tell us if you would like to contribute as a presenter to any of these events. We like presentations of real-life business cases and insider viewpoints that make theories and technologies more concrete.

Are we missing an important topic? Please propose new topics and send your suggestions to FIIF Manager (email: [fiif.manager@dimecc.com](mailto:fiif.manager@dimecc.com)) or use the FIIF event registration form to give your comments.

- **“Generating AI training data with simulators”** (AI in Industry series)

Quality and effectivity of AI applications relies heavily on availability of high-quality, domain-specific datasets for testing and training those applications. In-house data, if available, needs to be collected, compiled, and annotated and still it may be biased and inadequate to model untypical use cases. Synthetic training data (i.e. computer-generated and realistic use case data) has already been used in computer vision applications, but this approach can be generalized to cover also other industries.

- **“Conversational AI”** (AI in Industry series)

About one year ago we run a FIIF event with this same title, but since then ChatGPT has emerged as a massive disrupter. New use cases are constantly being found, especially in marketing, sales, and customer services where ChatGPT and conversational AI can dramatically change online customer experience. Even attitudes are changing: according to a recent survey, 40% of web users don't care if they are served by a bot or a human as long as they get the services they need.

- **“OPC-UA update”**

Our previous OPC-UA event was held in November 2022, but we think an update is well deserved, as the concept is constantly developing. New functionalities already in development include cloud library, Field-Level Communication (FLC), harmonization of companion standards, device onboarding, and semantic validation. We may combine this topic with Teknologia 2023 exhibition, which is organized during November 7-9, 2023 at the Helsinki Expo and Convention Centre.

- **“Additive Manufacturing/3D printing”**

Additive Manufacturing (AM) continues to build industrial acceptance. Manufacturers of all sizes now see AM as an integral part of their factories and not just a rapid prototyping capability. With AM, they can connect the physical supply chain with a digital thread that allows them to distribute their manufacturing and manage products more efficiently and transparently from concept to end-of-life. AM also helps manufacturers lower their energy consumption, reduce waste, and remove non-recyclable materials from products and packaging.

- **“Private 5G Networks”** (Connectivity)

Unlike public networks that are available to everyone, private networks are exclusive to a particular business, providing enhanced security and privacy for their operations. They can be customised to support a variety of devices and applications, including IoT devices, and can be optimised for performance, reliability, and scalability. With the rollout of 5G technology, the potential benefits of private networks are even greater, enabling businesses to enhance their operations and improve their bottom line. In February 2023, Business Finland launched a new €130 million program to the development of 5G Advanced and 6G (“6G Brigade”). Potential viewpoints in this event include: Is the technology mature enough for practical purposes? How do companies use private 5G networks? Are there new and innovative use cases? How could SMEs leverage private networks?

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## In focus

Name	Date	Location
<a href="#">Manufacturing Performance Days (MPD). More info available on the event web page.</a>	June 5-7, 2023	Tampere
<a href="#">FIIF Event: Autonomous Mobility in Smart Spaces. More information on the event web page.</a>	June 15	Tampere, online
<a href="#">Alihankinta 2023 event (Tampere Exhibition and Sports Centre). More information on the organizer's event web page.</a>	Sept 26-28	Tampere
<a href="#">Finnsec event. (Helsinki Expo and Convention Center). More information on the organizer's event web page.</a>	Oct 11-12	Helsinki
<a href="#">AINordic virtual event: AI &amp; Business Strategies. More information on the organizer's event web page.</a>	Oct 12	online
<a href="#">Teknologia 2023 event (Helsinki Expo and Convention Center). More information on the organizer's event web page.</a>	Nov 7-9	Helsinki
<a href="#">AI Day 2023 event (Dipoli, Aalto University, Espoo). More information on the organizer's event web page.</a>	Nov 8	Espoo

If you have material that you would like to be included in the FIIF Newsletters and Alerts or otherwise distributed to the FIIF community members, please contact the FIIF Manager ([fiif.manager\(at\)dimecc.com](mailto:fiif.manager(at)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. Follow us in Twitter ([@FIIF\\_catalyst](https://twitter.com/FIIF_catalyst))! Re-tweets are highly appreciated!



DIMECC Oy  
Åkerlundinkatu 8, 33100 Tampere  
www.dimecc.com



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