

A pre-preview to 2023

The next FIIF event focuses on OPC-UA (on November 3, 2022 in Helsinki) and this fall's last event is about IDS (on December 8, 2022 in Helsinki). In this newsletter you can find information about advanced training for 3D-printing (organized by the FAME ecosystem) and Sitra's call for data solutions to curb energy use. We also give to you a pre-preview to FIIF events in 2023.

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 December.

Stay tuned!



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FIIF Event: OPC-UA (Thursday, November 3, 2022 at 9:00-12:30 in Helsinki and online)

Interoperability and effective exchange of data is of increasing importance in modern industrial automation. OPC (Open Platform Communications by the [OPC Foundation](#)) is an interoperability standard for secure and reliable exchange of data in the industrial automation space and in other

industries. It is platform independent and ensures seamless flow of information among devices from multiple vendors. OPC-UA ([OPC United Architecture](#)) is a collection of technologies that ensure a secure transfer of standardized information from the sensor to the cloud.

This seminar gives information both on current OPC-UA usage and future development trends. The seminar is organized in co-operation with [Suomen Automaatioseura](#).

The event is organized at Tapahtumatalo Bank (Unioninkatu 20, 00130 Helsinki) and online. More information on the [event web page](#). Registration via [this link](#).

Program:

09:00 Opening

Introduction to OPC-UA / Jouni Aro, Prosys

Standardizing data collection in Helen energy production using OPC-UA / Veli-Pekka Salo, Wapice

OPC-UA based simulation-aided automation testing of a cruise ship LNG system / Gerardo Santillan, Semantum

OPC-UA application-level security: access rights and permissions / Mika Karaila, Valmet Automation

Discussion and Q&A

12:30 Closing

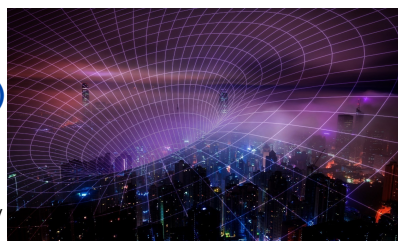


Related event

OPC [Day Finland](#) "OPC UA extends to field and cloud" (online event on November 29, 2022).

FIIF Event: IDS (Thursday, December 8, 2022 at 9:00- 12:30 in Helsinki and online)

Trustworthy sharing of confidential data is becoming a reality. IDS (International Data Spaces) is a European data space initiative that aims at realizing the vision of future data economy and creating a global standard for data exchange across organizations and sectors. In this seminar,



this topic will be explored from multiple perspectives. The presentations will answer the following questions:

- How IDS is being coordinated and how to get involved?
- What are its main principles and building blocks?
- Are there already existing success stories on applying IDS?
- What kind of experiences companies have from Finnish IDS use cases?

The event will take place Thursday, December 8, 2022, at 9:00-12:30 at Meeting Park Kluuvi (Kluuvikatu 7, 4th floor, Helsinki) and online. Register to the event [here](#).

More information will be provided in FIIF Newsletters and the [event web page](#).

Sitra's call for data solutions: Using data to curb energy use (deadline November 21, 2022)

The energy crisis caused by Russia's invasion of Ukraine requires a wide range of solutions in the coming months and beyond. Different data-driven services can provide solutions by being designed to help save energy and steer energy use to off-peak hours.

Sitra is launching a call for solutions to develop **products and services using data sources to save energy and level consumption peaks**. The aim is to develop products and services that help small energy consumers – especially households, small businesses, and housing companies – to save electricity or heat and to smoothen energy consumption peaks. The solution should help energy users make better choices. The deadline for applications is **November 21, 2022**.

The call aims to find a **maximum of 15 pilot projects** aligned to the principles of fair data economy. The lessons and experiences gathered from the call will be shared and published at the end of the pilot project, so that others can benefit from the results.

You can read more about the call [here](#).

What is it about?

Sitra's Call for solutions: Using data to curb energy use

The call for solutions consists of two rounds. The first round will be open from **October 25 to November 21, 2022**.

Total funding of about 200 000 € is available for the call for solutions.

In the first round, between 5 000 € and 15 000 € will be available for each selected pilot project.

A maximum of three of the best pilot projects will be selected for the second stage. They will be able to apply for between 20 000 € and 50 000 € in funding from Sitra for the further development of the solution in spring 2023. The exact timetable for round two will be specified later.

The pilot projects for the first stage must be completed by no later than the **end of January 2023**. The pilot projects for stage two must be completed by no later than the end of May 2023.

Pre-preview to FIIF Events in 2023

Planning for next year's FIIF events has already started. Below you can find a list of preliminary topics in alphabetical order:

- **Additive Manufacturing** (a.k.a 3D printing)
- **AI/ML for SMEs** (based on AI Clinics that were run in 2019-2020 in the Pirkanmaa region)
- **AR/VR/XR**
- **Autonomous Mobility in Smart Spaces**
- **Connectivity** (for example, trends and applications for private networks)
- **Industry 5.0** (an addition to twin transition also topics like sustainability, circular economy and wellbeing of the worker)
- **Machine Vision** (part of FIIF's "AI in Industry" series, new trends and applications)
- **Production automation**
- **Software production** (tools, processes, etc.)

Please let us know if you are interested in contributing as a presenter to any of these events. We need, for example, real-life business cases and insider viewpoints that make technology presentations more concrete. You can also propose new topics for FIIF events. Send your comments and suggestions to FIIF Manager (email: fiif.manager@dimecc.com).

"Final preliminary list" of 2023 events will be published in the next FIIF Newsletter in December 2022.

Please note that we have added to the FIIF event registration form a possibility to suggest topics for FIIF events.

FAME ecosystem: AM Campus 2.0 event "Advanced DfAM" (November 9-10, 2022 in Vaasa at Wärtsilä STH)

Finnish Additive Manufacturing Ecosystem (**FAME**) has opened its AM Campus, an open 3D printing experimental center, in Vaasa at the Sustainable Technology Hub (STH) of Wärtsilä. It is a place for doing hands-on training and going from theory to practice.

The "AM Campus 2.0" event series consists of three training events during the autumn of 2022. All events are free for participants. The events take place at STH and they are co-organised by Wärtsilä, DIMECC and Merinova Technology Centre. The first event was organized at the beginning of October, and it focused on showing what additive manufacturing means in practice.

The second event will be organized on **November 9-10, 2022**. The title of the event is "Advanced DfAM – Take your engineering design and workflow skills to the advanced AM era" and it will be a more advanced

training for designers, focusing on how to optimize the design to get the best out of AM. It will focus on the tools primarily aimed at the design and optimization of products for Additive Manufacturing. The full capabilities of the nTopology software are practiced with hands-on-exercises, tutorials, and facilitator guides. Participants will also have the possibility to discuss with the experts of nTopology, University of Vaasa and the companies of FAME ecosystem.

Registration for the second event is now open via this [link](#)!

FAME contacts and further information:

- Mr. **Eetu Holstein** (email eetu.holstein@dimecc.com, phone +358 40 8408660)
- Mr. **Markus Korpela** (email markus.korpela@dimecc.com, phone +358 40 8405660)
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AI Day 2022 (Wednesday, November 16, 2022 at 9:00-18:00 in Dipoli congress center, Espoo)

Finnish Center for Artificial Intelligence FCAI is a community of experts that brings together top talents in academia, industry and the public sector to solve real-life problems using both existing and novel AI. The annual **AI Day** brings together researchers, companies, students and the public sector involved in the fast-developing field of AI. The event promotes matchmaking, information sharing and cross-border collaboration.

Link to [event web page](#) with more detailed information about the event, its program, and speakers.

Link to [registration](#).

Program overview

- 08:30 Registration opens
- 09:15 Opening of the event
- 09:30 Scientific talks (two parallel tracks)
- 10:30 Coffee break
- 11:00 Scientific talks and Industry & society talks (two parallel tracks)
- 12:00 Lunch
- 13:00 Scientific talks and Industry & society talks (two parallel tracks)
- 14:30 Poster session and coffee break
- 15:30 Panel: Solving global challenges with AI
- 17:00 Drinks and networking
- 18:00 End of the event

Open Call for ADMA TranS4MErs Acceleration Programme

ADMA TranS4MErs Acceleration Programme offers **innovation vouchers** and **direct funding** to design and implement your company's digital Transformation Plan. Acceleration Programme has activated an Open Call for manufacturing SMEs and start-ups.

The first cut-off date for applications is **November 2, 2022**, followed by November 16, November 30, and the last one on December 14, 2022. Up to 500 individual SME companies will be selected to receive support for designing their Transformation Plan (the "Design" phase). Later, the selected companies can apply for additional support and direct funding for implementing their plan (the "Revamp" phase).

If you plan to submit an application, please check [here](#). Also, program partner F6S will organize an Open Call webinar on **November 2, 2022 at 11:00-12:00**. Registration via this [link](#).

For your application you will need a recommendation from a consortium member, and DIMECC can provide you with that. Please contact:

- Mr. **Risto Lehtinen** (email risto.lehtinen@ dimecc.com, tel. +358 50 5553900)
- Ms. **Doris Pryjma** (email doris.pryjm@ dimecc.com, tel. +358 40 8406700)



Are you interested in MPD partnership?

Manufacturing Performance Days (MPD) is an international top-level B2B summit. This executive and visionary industrial renewal summit will bring

together manufacturing industries, researchers as well as technology and service providers from all around the world to meet and exchange views. MPD 2023 will offer views of top class invited speakers from leading industry and academia on latest trends and achievements.

Manufacturing Performance Days 2023 is the 8th consecutive event and it will be held during **June 5-7, 2023 at Tampere Hall, Finland**. The previous MPD was organized in 2019. More info available [here](#).

If you are or your organisation is interested in MPD partnership, please contact MPD Co-Chair Dr. **Harri Kulmala** (e-mail: harri.kulmala@ dimecc.com, tel. +358 40 840 6380).

In focus

Name	Date	Location
FIIF Event "OPC-UA" More information on the event web page.	Nov. 3	Helsinki and online
High Level Forum (HLF) Annual Summit "How Local and Regional Innovation Ecosystems	Nov. 6-9	Tampere

Support the 2030 Global Goals". More information on the event web page.

AM Campus 2.0 event "Advanced DfAM" Registration via this link.	Nov. 9-10	Wärtsilä Sustainable Technology Hub, Vaasa
AI Day 2022 (by FCAI). More information on the event web page.	Nov. 16	Espoo
"Connected Safe Industry", 15th Annual Seminar of DIMECC is organized in co-operation with Business Finland and Nokia. More information on the event web page.	Nov. 23	Nokia Executive Experience Center, Espoo
OPC Day Finland ("OPC UA extends to field and cloud") online event. More information on the event web page.	Nov. 29	Online
Engineering Works Trade Fair - Konepajamessut. More info on the event web page.	Nov. 29 - Dec. 1	Tampere
FIIF Event "IDS". More information on the event web page.	Dec. 8	Helsinki and online
Manufacturing Performance Days (MPD). More info available here.	June 5-7, 2023	Tampere

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@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)! Re-tweets are highly appreciated!



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