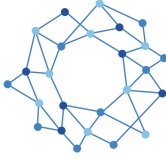


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**FINNISH  
INDUSTRIAL  
INTERNET  
FORUM**

FIIF Newsletter  
4/2024

## Fall Full of Opportunities

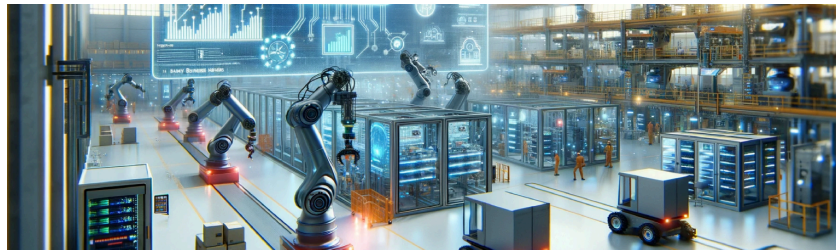
Below you can find updated information about FIIF events during the fall of 2024. We plan to organize the following three events: "Data-driven new business models" (September 12), "Harnessing the power of LLM's like ChatGPT in software development" (October 10), and the annual DIMECC flagship event "AI powering product development – DIMECC's 17th annual seminar in collaboration with Aalto Design Factory" (November 12). In addition, the newsletter informs you about plenty of other interesting events and opportunities from our extended network. Please mark these dates in your calendar!

See you at our events!



**Antti Karjaluoto**

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## FIIF Event on Data-driven New Business Models

**17** Thursday, September 12, 2024 at 9-12, at Beckhoff Automation Oy (Tampere, Tulli Business Park Åkerlundinkatu 11) and online

[Event web page](#) [Registrations](#)

The move to a data-driven business models and a data-centric view represents a paradigm shift and a major driver of the digital transformation for previously non-data-driven companies. Some manufacturers are already adding value to their products with services based on the data generated by their products, many times enriched with external data. These new services need to be supported by new business models as typically existing product-oriented models will not adequately support data-driven business.

At this FIIF event, we will explore the trends and evolution directions for data-driven business models especially in the manufacturing industry. The presentations cover research perspectives and real-life use cases from leading companies in the field, including Normet, Konecranes, Beckhoff Automation and Tamturbo.

### PROGRAM:

Opening words & introduction, **Antti Karjaluoto**, FIIF manager

"Data-driven business models in manufacturing industry – trends and evolution directions"  
**Hannu Kärkkäinen**, TAU

"Differentiation in a cost-competitive industry using savings-based business models, even (or especially) when the world is changing", **Olli Kuusmanen**, Tamturbo/TAU

Tamturbo story of selling savings for industrial customers

Results from futures research in Equipment-as-a-Service"

"New type of business models in the commercialization of new innovations and as enhancers of profitability and growth in machine manufacturing", **Mikko Uuskoski**, Beckhoff Automation:

“New data-driven business model implementations at Normet”, **Riku Helander**, Normet,

**Pekka Jaarinen**, Normet and **Jukka Kivimäki**, Remion


“Predictive maintenance of industrial cranes: Data-driven service and business model”,  
**Valtteri Peltoranta**, Konecranes

“Next steps, DIMECC Business Model Academy introduction”, **Antti Karjaluoto**, FIIF  
Manager

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## FIIF Event on Harnessing the power of LLMs like ChatGPT in software development

 **Thursday, October 10, 2024 at 9-12, in Helsinki and online**

 [Event web page](#)  [Registrations](#)

Large Language Models (LLMs) like ChatGPT can be highly valuable tools in various aspects of software development. By leveraging LLMs teams can significantly boost productivity, improve code quality, and foster better learning and collaboration environments. However, it's important to use these tools as assistants rather than replacements for human judgment and expertise.

At this FIIF event, we will explore the potential and challenges of LLMs in software development from various key viewpoints. The presentations will cover perspectives from technology providers, research organizations and end-users highlighting diverse opportunities in the field.

### PROGRAM:

“We’ve been training AI programmers - Now, let’s learn from them”, Prof. **Burak Turhan**, University of Oulu

“Gen AI accelerated software development – practical experiences”, **Antti Lammi**, Futurice

“Innofactor GPT Agents - Azure Open AI-based Private ChatGPT for company confidential data”, **Ville Vakkilainen**, Innofactor Oy

“How to trust an LLM: a [YOKOTA.I](#) case study”, **Mikko Lehtimäki**, Softlandia


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## AI Powering Product Development

DIMECC's 17th Annual Seminar in Collaboration with Aalto Design Factory

November 12th, 2024 Espoo

## AI Powering Product Development

 **Tuesday, November 12, 2024 at 11:00-19:00, Espoo, Aalto Design Factory**

 [Event web page](#)  [Registrations](#)

FIIF partners are welcome to celebrate AI Powering Product Development – DIMECC's 17th Annual Seminar in Collaboration with Aalto Design Factory. We will start with lunch at 11:00 and continue with the seminar, followed by the new Product Development Path Makers award by Aalto Design Factory, ceremony and cocktails until 19:00.

The seminar will feature AI keynotes, foresight insights, and industrial cases on AI powering product development. We will explore AI from various perspectives, including better business planning and resilience, improved process efficiency and quality, and enhanced customer process performance.

There will be facilitated workshops with group working sessions on selected AI themes based on participants' preferences (specific interests will be collected closer to the seminar). Additionally, there will be opportunities to attend Aalto Design Factory exhibition tours.


The new Product Development Path Makers award will be given out at a ceremony after the working sessions, prior to the networking cocktails. More information can be found [here](#). Please, consider sending an application or distribute the information to persons and organisations that might be interested to send an application during before 13.9.2024.

The event is free and open to Aalto Design Factory and DIMECC (including FIIF partners) stakeholders.

[REGISTER NOW!](#)

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## FIIF with PDSVISION: Sustainable Product Design Breakfast

 **Wednesday, September 18, 2024, from 8 to 11, at PDSVISION Oy Office - Kalevantie 2, 33100 Tampere, Finland**

 [Event web page & Registrations](#)

Join PDSVISION and FIIF for an inspiring breakfast event, where industry experts will discuss the path to successful sustainable product design. Modern product development requires balancing cost, performance, and environmental requirements. Engineers must consider sustainability from the start to avoid costly redesigns and delays, using data-driven decisions to meet net-zero goals. Sustainable Product Design Breakfast welcomes industry experts and companies to share their journey towards more sustainable products.

Agenda

Welcome Breakfast & Opening Words, **Tuomas Eerola**, Business Unit Director CAE, PDSVISION

Sustainability – Current status and challenges for manufacturing companies, **Antti Karjaluoto**, Disruptive Renewal Officer at DIMECC

What requirements do the Sustainability directives put on BOM management, **Katri Salminen & Mikko Ukonaho**, Tampere University of Applied Sciences


Sustainability reporting in manufacturing industry – what should a company prepare for? **Mikko Paljakka**, Engineering Manager, John Deere Forestry Oy


Mastering Sustainability, **Mikko Hinkkanen**, Customer Success Manager, PDSVISION

Seats are filling up quickly! We have a limited number of spots available, and we wouldn't want you to miss out.

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## Do you want to make progress with the City of Tampere's ecosystem data, but don't know how yet?

 **Playbook testing workshop on 7.10.2024 at 13-15:30, Platform 6 Åkerlundinkatu 8, 33100 Tampere**

 **Register for the testing workshop and request more information about the event: [kari.naakka@tuni.fi](mailto:kari.naakka@tuni.fi); or 040 729 4269.**

The Collaboratively Smart City project accelerates the development and growth of the smart city ecosystem and its actors. Join the workshop concentrating on how to use the data available.

Program:

The City of Tampere will present a use case example of using the city's traffic census data in a service that predicts the number of pedestrians in the city centre, **Mika Heikkilä**

Sitewise's company case: co-development with citizens: the green public space of the Asemakeskus in a 3D environment, **Jenna-Riia Oldenburg**

Check out the practical playbook to guide you through the use of data.  
The safest school road app - case FISTA: Using traffic and traffic light data to map the most dangerous road crossings around Tampere International School and create recommendations

## Ready to scale up? Here is your chance!

The [ESCALTECH program](#) is launching its second year of operations to help startups and SMEs scale their businesses. Funded by Interreg Central Baltic, the program offers tailored training and coaching in marketing, business model redesign, and skills development. It is also a great opportunity for cross-border collaboration between the partner countries: Finland, Estonia and Latvia. Targeting companies within the ICT, E-governance, Smart Manufacturing, and Smart Mobility sectors, eligible companies should have been operational for a maximum of 5-7 years and have at least one customer. Benefits include valuable cross-collaboration networking opportunities as well as increased awareness on sales and marketing, strategic planning, innovation, talent management, financial management, and international expansion. Events addressing the program modules will be arranged on a monthly basis either online/hybrid or face-to-face. The program begins with a kickoff event where mentors and companies will build a scaleup roadmap together.



The next round starts in October 2024, and we will be taking applications until 15.9.2024 so remember to apply here. For more details, contact Medha Gupta, Scale Up Manager at DIMECC at [medha.gupta@dimecc.com](mailto:medha.gupta@dimecc.com) or call +358 40 840 3495.

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## FIIF at stand A1209 at Subcontracting Fair

FIIF is led by DIMECC Oy, which is the new program partner of the Subcontracting Fair in Tampere in early October. The program focuses on presenting the new Make in Finland ecosystem. MAKE was launched in June to promote a sustainable and smart future for the Finnish manufacturing industry. The companies involved in the ecosystem aim to have a broad impact on the sector's development, with the entire value chain from design to production and distribution involved.

### Program:

Yhdessä kohti kestävämpää ja älykkäämpää valmistusta, HEAT Stage on Tuesday, 01.10.2024, from 13:15 to 13:35.

Sustainable and Smart Manufacturing in Finland, seminar on Wednesday, 02.10.2024, from 12:00 to 14:30, Tähtien Sali, Seminar Center, 2nd floor.

Come and meet the FIIF Manager to discuss your ideas for developing FIIF at DIMECC's stand, A1209! Read more [here](#).

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## An Open Tender for SMEs to Develop the FAME Knowledge Sharing Platform

The FAME ecosystem, the leading entity in Finland for Additive Manufacturing, has recognized the growing need for a centralized platform to store, manage, and disseminate the data and knowledge that is available and generated through its members and many activities.

The platform will be developed and launched in three iterative versions over three years (2024-2026), with each version building upon the previous one to enhance functionality and user experience.

The estimated budget for this procurement is 150,000 EUR, with the project duration aligned with the three-year development plan. The procurement is open to local Finnish SMEs, and proposals must be submitted in English by the deadline of September 30, 2024.

The project is supported by Business Finland and FAME members. Read more [here](#).

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## Join REBOOT Skills Free Short Trainings in AI, AM, IoT, Robotics and Cybersecurity

REBOOT Skills organizes free short trainings in AI, AM, IoT, robotics and cybersecurity tailored for the manufacturing industry! The trainings are mainly organized online.

### September 2024

18.09.-02.10. online, 3x1,5h: [Introduction to metal Additive Manufacturing](#)

16.-18.09. online, 3x3h: [Introductions to collaborative robots](#)

30.09. online 2h: [Functional safety for autonomous driving systems](#)

**October 2024**

24.10-31.10. online 2x1,5h + optional lab visit 08.11. in Oulu: [Synchronizing physical and digital twins](#)

1.10.-17.10. online 4x2h: [Understanding & applying Artificial Intelligence](#)

23.10.-05.11. online 3x1,5h: [Operational Technology Cybersecurity](#)

**Open continuously**

[Programming basic skills](#)

[Robotics for all](#)

[Skills in data visualization](#), open from 15.09. forward

[Industrial Automation](#), open from 30.09. forward

[Modern Robotics](#), open from 01.10. forward

Find all the detailed training descriptions here on our [partner's website](#). Scroll half-way through the page and read details by clicking on the course's title. For more information, please contact Tiina-Maria Dollee (tel. +358 50 352 0242 email: tiina-maria.dollee@dimecc.com).



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## New Training Opportunity: Design for AM

DIMECC, in partnership with Etteplan and AM Campus, is excited to offer a comprehensive Design for Additive Manufacturing (DfAM) for Laser Powder Bed Fusion (L-PBF) Training Package. This training is designed to enhance your understanding of the L-PBF process, materials, and design guidelines, making it easier to identify additive manufacturing (AM) use cases and integrate AM into your production processes.

This training is ideal for engineers and designers interested in Design for AM but who lack experience with metal L-PBF and its design guidelines.

### Training Structure:

Virtual Sessions: Three 2.5-hour sessions conducted via Microsoft Teams, led by Etteplan AM experts.

Hands-On Design Exercise: Participants will engage in a practical design exercise with results printed at AM Campus.

In-Person Hands-On Day: One full day at AM Campus, facilitated by an AM Campus expert.

Two days of training: 1,100€ per participant.

The first training package is scheduled for September. Express your interest and [sign up here](#) or contact [sini.metsa-kortelainen@dimecc.com](mailto:sini.metsa-kortelainen@dimecc.com) or [eetu.holstein@dimecc.com](mailto:eetu.holstein@dimecc.com).

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## Manufacturing Performance Days 2025

Manufacturing Performance Days 2025 (MPD 2025) is centered around the theme "Manufacturing in the Age of AI."

This highly appreciated event will bring together internationally recognized experts and academia to discuss and represent best industrial practices and operational excellence, novel business concepts, as well as scientific and technological breakthroughs in the field.

Company booths, scheduled meetings, and networking areas nourish potential for new business partnerships and R&I collaboration across borders.

The 9th MPD will be held on June 4-5, 2025, at Tampere Hall. Various partnership opportunities are available, from startups to standard and strategic partners. If you're interested, please contact Harri Kulmala at [harri.kulmala@dimecc.com](mailto:harri.kulmala@dimecc.com), +358 40 840 6380. The event website will be open soon [here](#).

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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.

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