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FIIF Newsletter 5/2021

DIMECC

It was looking already so good ...

In the previous FIIF Newsletter my sentiment and expectations about this fall's COVID-19 situation were quite positive: most of the restrictions had just been lifted, vaccinations were progressing well, travelling was slowly opening, and it looked like we were heading towards a more "normal" way of working and interacting with other people. Now it looks like the "new normal" again: businesses prefer (or even require) remote working and online meetings, and there are severe restrictions on organizing physical events. At FIIF, in order to comply with the "new normal", we have decided **to continue organizing online events only** – at least for time being.

This FIIF Newsletter contains mainly updates to fall's event calendar. At this point our event calendar is still quite fluid, so there will be changes in the coming weeks. 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 **early October**. 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](#). 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!

II Webinar Series on “GAIA-X Industry Data WG” with SITRA (September 16, 2021 at 9:00 – 12:30)

Intelligent Industry (II) is an innovative ecosystem connecting leading Finnish equipment manufacturers and providers of digital solutions to drive and realize the immense opportunities of the emerging new era of Intelligent Industry. II's strategic core partners are Fastems, Elekmerk, HT Laser, Konecranes, Melkki, Metsäteho, Nokia, Prima Power, Raute, and TietoEVRY, all leading companies in their own fields. The ecosystem is funded by the participating companies and Business Finland, and it is facilitated by DIMECC.

Utilization of industry data is advancing in Finland and the **GAIA-X** Industry Data Working Group is an optimal forum to align Finnish efforts with the European and global activities. In this WG, the Finnish stakeholders are actively seeking joint opportunities for data-enabled internal and external business opportunities. This work is done in close co-operation with other national industrial data communities with joint events for maximum impact.

The Industry Data WG participants will also co-operate in their participation in the European and national forums such as the **International Data Spaces Association** (IDSA) and other industry-led initiatives for best practices in data governance, management, and business model development.

Presenters and preliminary program:

- 9:00 Opening
 - GAIA-X Finland Hub, Kristo Lehtonen, SITRA
 - GAIA-X Ecosystem, Mikko Sierla, Vastuu Group
 - Sustainability, Marika Määttä, Combient PURE
 - Company view point on industrial data sharing, TBD
 - Discussion and Q&A
- 12:30 Closing

When	Thursday, September 16, 2021 at 9:00 – 12:30
Where	Online only
Cost	Free for employees of FIIF partner organizations
Contact	Mr. Risto Lehtinen, DIMECC Oy (e-mail fiif.manager@dimecc.com , tel. +358 50 5553900) More information on the event web page . Registration via this link .

Upcoming FIIF Events

As the COVID-19 situation has not improved enough, the working assumption is that **FIIF organizes only online events** until further notice. If you want to contribute to these events as a presenter or have ideas for additional events, **please contact FIIF Manager**.

6aika Event Series: Smart Energy Solutions for Buildings (timing: October 2021)

Smart Readiness Indicator is a tool for evaluating a building's technical systems from several sustainability view points (energy efficiency, flexible energy pricing, user experience). It is part of EU's "**Energy Performance of Buildings Directive**" (EPBD), which is binding and directly applicable in all Member States.

Methodology behind SRI is a result of a joint European effort, led by Belgian research organization **VITO**, which focuses on accelerating the transition towards a sustainable society. Aalto University has also participated in this effort. A high score in SRI indicates that the building a) is highly flexible in terms of its energy sources, b) can store energy in different ways, c) can leverage information from SRI in its maintenance, and d) maintains good environment for its users. As part of Finland's deployment plan, **Motiva Oy** will be piloting SRI during 2021. This event is arranged in co-operation with the **6Aika Community**.

Follow-up Event on Cloud Platforms (timing: October 2021)

On **May 7, 2021** the CEOs of 27 leading European companies submitted to Commissioner Thierry

Breton a roadmap outlining technological priorities for investments needed to strengthen Europe's leadership in cloud and edge technologies. The companies agree to continue cooperating and further elaborating this strategic technology roadmap in the framework of the forthcoming **Alliance for Industrial Data, Edge and Cloud**. The aim is to foster a highly secure, low carbon, resource-efficient and interoperable cloud and edge ecosystem. The group's complete final report can be downloaded [here](#).

The following companies participated in this work: 3DS Outscale, Airbus, Amadeus, Aruba, Atos, Capgemini, CloudFerro, DE-CIX, Deutsche Telekom, Ericsson, German Edge Cloud, GIGAS, Indra, IONOS, IRIDEOS, Leaseweb Global, Magic Cloud, Nabiax, Nokia, Orange, OVHcloud, Retelit, SAP, Schneider Electric, Siemens, Telefonica, and Telecom Italia.

Learnings from AI-Lähettiläs/AI Champion project (timing: November 2021)

[AI-Champion project](#) was started in March 2021 and it will continue until end of February 2023. The program is free of charge to the participating companies and the first workshops will be organized during the fall of 2021.

Project coordinator is Tampere University of Applied Sciences and the other participants are School of Economics at University of Turku, Turku Science Park Oy, and Turku AI Academy ([Tekoälyakatemia](#)). Funding comes from European Social Fund ([ESF](#)) through Centre for Economic Development, Transport and the Environment (ELY-keskus) in Central Finland.

FIIF Event on application of AI/5G/Edge (timing: November 2021)

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).

FIIF Event on AR/VR/XR/Digital twins (timing: December 2021)

The [Digital Twin Consortium](#) is a global ecosystem of users who are accelerating the digital twin market and demonstrating the value of digital twin technology. Members set de facto technical guidelines and taxonomies, publish reference frameworks, develop requirements for new standards and share use cases to maximize the benefits of digital twins. Consortium is open to any business, organization or entity with an interest in digital twins.

PoDoCo Autumn 2021 application round opens soon

The autumn grant application round for the PoDoCo program is open **from September 15 to October 31, 2021**. This program is open to any company, regardless of industry, and to any person who has recently completed or will soon be submitting a Doctoral dissertation.

The PoDoCo program, led by DIMECC Oy, is funded by the Finnish Cultural Foundation, Jenny and Antti Wihuri Foundation, Maa- ja vesiteknikan tuki ry, Svenska Kulturfonden, Svenska litteratursällskapet i Finland, Tekniikan edistämissektööri, KAUTE Foundation, Liikesivistysrahasto, and Helsingin Sanomat Foundation, investing every year in total about one million euros in the program.

More information about the program is available on [PoDoCo website](#) and from [PoDoCo events](#) (PoDoCo Webinars and Application Clinics). **Note!** If you would like to hire a postdoc, contact us soon and you will receive free marketing opportunities in the coming PoDoCo events.

Contact at DIMECC Oy: Dr. [Seppo Tikkanen](#) (tel. +358 40 8402780)

Save the date: “Twin Transition Day” – DIMECC’s 14th Annual Seminar 2021 (November 17, 2021 at 9:00 – 18:00)

DIMECC's 14th Annual Seminar 2021 will be organized in co-operation with **Business Finland** and **Kalmar**. The theme of this event is: Twin Transition Day – How digital transformation and sustainability development drive companies to success? .

The program contains presentations from leading manufacturing and technology companies, latest news on research & development, funding & collaboration opportunities and talk on sustainability, AI and security. And not just talks, but an opportunity to see this all in action at **Kalmar Technology and Competence Centre, Tampere**, where energy-efficient, safe and intelligent machinery and automation solutions are developed.

Bonuses include networking (following the relevant regulations in November) and the best industrial party of the year!

The event is free for FIIF members. More information will be soon available on the [event web page](#). If you leave your contact information [here](#), 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.

Participation fee for companies presenting a challenge is now only 3000€ (+ VAT24%), so do not hesitate to use this opportunity! There is no participation fee for pitching companies. The aim is to get 3-5 pitches for each challenge. Each applicant company will choose at least one pitching company to implement a PoC demonstrating the proposed solution. Participation fee covers support for defining and writing the challenge.

The Demobooster Tampere pitching event will be held at the **end of November 2021** (exact date TBD). It will be either a face-to-face or an online depending on the corona situation.

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, tel. +358 50 555 3900)

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



Traficom Event/5G Momentum Webinar: Upcoming 5G features and use cases (Tuesday, September 7, 2021 at 13:00 – 14:30)

5G Momentum organizes 5G-themes events, shares information about technology trials, and offers support to research and development projects. The activities of the 5G Momentum ecosystem are coordinated by the Finnish Transport and Communications Agency Traficom.

In this event you can hear more about the new functionality, services, and use cases that will be available soon in 5G.

Presenters:

- Heidi Himmanen, Traficom
- Sasu Tarkoma, University of Helsinki
- Matti Keskinen, Nokia
- Marko Höyhtyä, VTT
- Ari Pouttu, University of Oulu

Please register to this webinar through [this link](#) latest on **September 3**, 2021. Participation link will be sent to registered participants on September 6, 2021.

Upcoming FCAI Events

The mission of [FCAI](#) (Finnish center for Artificial Intelligence) is “**Real AI for Real People in the Real World**”. In practice, FCAI aims to create new types of AI, which can operate with humans in the complex world, and to renew the Finnish industry with this new AI.

Save the date: FCAI Industry and Society Webinar: AI for the Battery Ecosystem (Wednesday, October 13, 2021 at 14:00 – 16:00)

Artificial Intelligence is revolutionizing how we discover and develop new battery materials, and is leading to a fast step-change for the industry to deliver the respective products and solutions. In this webinar, we explore the possibilities of AI for battery materials, as well as actions necessary to make the battery ecosystem a pioneer in exploiting AI for materials science and engineering challenges of energy storage. Registration is now open. More information [here](#).

Save the Date: AI Finland & AI Day 2021: Reboot with AI Hybrid event (Thursday, November 4, 2021 at 9:00 – 17:00)

AI Day is the biggest annual event highlighting the frontrunner AI research in Finland, co-organized by FCAI and the Finnish AI Society (FAIS). The event brings together researchers, companies, students and the public sector involved in the fast-developing field of AI. AI Day promotes matchmaking, information sharing, and cross-border collaboration. This year, AI Day joins forces with AI Finland conference, organized by Business Finland and the City of Espoo. The theme of the day is Reboot with AI – Impact leadership and foresight with AI. Don't miss the opportunity to attend this joint event on November 4th! More information and the event website coming up soon. Stay tuned following [this link](#).

FCAI's Online Machine Learning Coffee Seminars will continue in the autumn (every Monday at 9:00 – 10:00)

Machine Learning Coffee Seminars are weekly research meetings organized by the Finnish Center for Artificial Intelligence FCAI and are held jointly by Aalto University and the University of Helsinki. The seminars gather people from different fields of science with interest in machine learning. More information available [here](#).

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