



**FINNISH
INDUSTRIAL
INTERNET
FORUM**

FIIF Newsletter 4/2021

DIMECC

Is this hot enough for you?

It's Midsummer, COVID-19 restrictions have been mainly lifted, and Finland has been one of the hottest spots in Europe for several days, so there is clearly light at the end of this very, very long tunnel. If things go well, we will be able to lift restrictions also on FIIF Events this fall and go from online-only to hybrid or even fully physical events.

In this spring's last FIIF Newsletter you can read about the results of the **2021 FIIF Survey**, review statistics about **Spring 2021 FIIF Events**, peek into the preliminary list of **Fall 2021 FIIF Events**, and start filling your calendar with events organized by **5G Momentum** and **FCAI**. Remember that 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 August**. 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. Have a nice, relaxing, and COVID-free summer!



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Follow us on Twitter (@FIIF_catalyst)!

Re-tweets are highly appreciated!

Results from 2021 FIIF Survey

2021 FIIF Survey was conducted in May, and we want to thank all respondents for their time and effort. **FIIF Newsletters/Alerts** are, in general, found interesting and useful, and their frequency (about 8 issues per year) seems to be “just right”. In terms of content, the readers expect more relevant content from the (other) FIIF partners – in other words, from you! If you want to contribute to the newsletters, FIIF Manager is the right contact.

In order to get the most out from these Newsletters, **please make sure that all relevant people in your organization are on the FIIF mailing list**. It does not cost you anything extra!

We typically organize 6-8 **FIIF Events** every year and that seems to be “just the right” number. Also, the events are regarded to be both interesting and useful. Since the outburst of the COVID-19 pandemic FIIF – like all other event organizers – has been arranging only online events. As a result, the number of potentially interesting events has skyrocketed, and many respondents indicated that they have had challenges in fitting all relevant events in their calendars. Hopefully we can return to physical events already during the Fall 2021 Season as that will make the networking much easier and more effective. As potential topics, **software** as well as **AI and its applications** seem to be high on the wish list.

In spite of our systematic marketing campaign about the availability and benefits of **FIIF Materials Archive**, still only a small portion of FIIF partners is leveraging it. The good news is that those who visit the Archive find its contents useful! So, visit the Archive and check its **new section for white papers about “AI Materials”!**

Summary of Spring 2021 FIIF Events

Below you can find a summary of Spring 2021 FIIF events. This has been a record season both in terms of number of events (5) as well as number of registered participants (in total 262, in average slightly over 50 per event). Big thanks to all presenters and participants! The presentations have been great and the discussions active and of high quality.

Presentation materials can be found at **FIIF's Materials Archive** (access through [Partner log in](#)).

	1	2	3	4	5
Event date	Feb 18, 2021	Mar 31, 2021	Apr 29, 2021	May 20, 2021	Jun 10, 2021
Event name	Private 5G networks	Industrial Applications of Drones	Cloud-native development in IoT	Intelligent Industry Ecosystem and FIIF	Cyber security in IoT
# of registered	60	64	51	40	47

Sneak Preview to Fall 2021 FIIF Events

We have a **preliminary plan for FIIF events** during the next season. Here is a sneak preview to FIIF's offering in the Fall 2021 Season. If you want to contribute to these events as a presenter or have ideas for additional events, please **contact FIIF Manager**.

Note! Our working assumption is that, starting next fall, FIIF will organize **hybrid events**.

II Event Series – GAIA-X Industry Data WG (timing: September 2021)

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.

Gaika 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)

Open seats at DIMECC Business Model Academy (August 16 ... September 27, 2021)

Companies are today facing hyper-competition and increasing demand for expansion and growth. [DIMECC Business Model Academy](#) (BMA) is a training course that helps business leaders adopt systematic approach for creating and implementing profit-generating ideas that leverage existing products and solutions, markets, customer relationships, and infrastructure.

Intelligent Industry Ecosystem is organizing BMA for its partner companies in **August-September 2021**. On this course, five seats have been reserved for companies outside the II ecosystem. The training consists of **four half-day lectures** (every second Monday, starting on August 16, 2021, at Tampere University) complemented by **pre-work, homework, and course project**. Course project gives to the participants an opportunity to use course learnings in the context of their own company.

The total required effort of this training is **about 50 hours**. Course fee is **3 500 €/person**.

For more information, please contact [Risto Lehtinen](#) at DIMECC (tel. +358 50 5553900).

Module	Date
Introduction to data-driven business models, value of data and analytics in these business models	Monday, August 16, 2021
Current situation related to data-driven business models	Monday, August 30, 2021
Enabling advanced data-driven business models	Monday, September 13, 2021
Data-driven business model road-mapping	Monday, September 27, 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](#).

Finland's EDIH Candidates

European Digital Innovation Hubs (EDIHs) are part of the EU's new Digital Europe Programme. They function as service points that boost digital investment and, in particular, the digitalization of SMEs. In Finland, the Ministry of Economic Affairs and Employment is responsible for the Finnish national call of the EDIH concept.

In January 2021 the Ministry announced Finland's EDIH candidates:

- **FAIR – Finnish AI Region** (responsible organisation VTT Technical Research of Finland Ltd)
- **SIX Manufacturing EDIH** (Tamlink Ltd)
- **Location Innovation Hub (LIH)** (National Land Survey of Finland/Finnish Geospatial Research Institute (NLS FGI))
- **5STAR eCorridors** (DIMECC Ltd)
- **WellLake EDIH** (Business Jyväskylä)
- **HealthHub Finland** (Turku Science Park Ltd)
- **Robocoast EDIH Consortium** (Prizztech Ltd)
- **Arctic-EDIH** (University of Oulu)

[Press release](#) on the designation of Finland's candidates.

[Press release](#): "Innovation hubs to promote digitalisation in the EU - Applications from the Finnish candidates now accepted"

Expected schedule: Call for EU-level EDIHs will open **most probably in September 2021**, and the contracts with the winning EDIHs will be signed during 2Q2021. More up-to-date information is available on Commission's dedicated [web pages](#).



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