



**FINNISH
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FORUM**

FIIF Newsletter 2/2021

DIMECC

Change is just around the corner ...

In this FIIF Newsletter you can find detailed information about the upcoming events taking place in March (“**Industrial applications of drones**”) and in April (“**Cloud-native development for IoT**”). More events are in the pipeline, so regular visits to the Events section in FIIF’s web pages will help you stay on board!

At the end of this newsletter are several news items about research and innovation opportunities in EU. [Horizon Europe](#) is EU’s massive research and innovation framework program that will run from 2021 to 2027 with a total budget of €95.5 billion. The work program for the **European Research Council (ERC)** was adopted in February and the first **Horizon Europe Strategic Plan (2021-2024)** in March. The work program for the European Innovation Council (EIC) and the main work program dedicated to COVID-19 variants will be adopted in March and the complete main work program is expected to be adopted in April. Now is the time to get active and get involved!

For example, FIIF Partner [Magic Cloud Oy](#) was invited to join EU’s “**Shaping the Next Generation Cloud Supply for Europe**” initiative in which the Member States work together towards deploying resilient and competitive cloud infrastructure and services across Europe.

The next FIIF Newsletter will be published in **early May**. 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. Stay tuned for more updates!



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Follow us on Twitter (@FIIF_catalyst)!

Re-tweets are highly appreciated!

FIIF Event: “Industrial applications of drones” (March 31, at 9:00 – 12:30)



Even though drones are still in the infancy stage in terms of mass adoption and usage, they have already broken through rigid traditional barriers in industries which otherwise seemed impenetrable by similar advanced technological innovations. Increasing work efficiency and productivity, decreasing workload and production costs, improving accuracy, refining service and customer relations, and resolving security issues are a few of the top uses drones offer industries globally.

In this FIIF Event we will focus on industrial use of drones especially on various types of infra projects and construction sites for the purpose of accurate measuring, monitoring, and surveillance. We will also look at how images and other data collected by drones are processed for further use by designers, constructors, and customers.

Agenda:

9:00 Introduction to FIIF (Risto Lehtinen, FIIF Manager)

9:15 Opening

“Use of drones in improving situational awareness in infra projects”, Tero Majjala, Infrakit Oy

“Drones, a step towards more automated AEC industry – with TAMK as a multidisciplinary partner”, Kalle Tammi, Tampere Universities

“Take control of your worksite data”, Lauri Hartikainen, Pointscene Oy

“TAMK drone projects”, Antti Perttula, Tampere Universities

“Drones, future autonomous transportation method”, Mika Nikander, Tampere Universities

“Current drone regulation for industrial operators”, NN, Traficom

“How to apply fixed wing VTOL drone for large area monitoring”, Markus Hohenthal, Lentola Logistics Oy

Discussion and joint Q&A

12:30 Closing

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| When | Wednesday, March 31, 2021 at 9:00 – 12:30 |
| Where | Online only |
| Cost | Free for employees of FIIF partner organizations |
| Contact | Dr. Arto Peltomaa, DIMECC Oy (e-mail arto.peltomaa@dimecc.com , tel. +358 40 5511434) More information on the event web page . Registration via this link . |

FIIF Event: “Cloud-Native Development for IoT” (April 29, at 9:00 – 12:30)

Cloud native is an approach to software development in which you build, run, and operate an application in the cloud. Instead of hosting your application on local servers and devices, it essentially lives on the internet. Simply deploying an application in the cloud doesn't make it cloud native. Cloud native applications are built from the ground up to leverage the strengths of cloud computing, like on-demand availability, continuous delivery, and scalability.

Cloud nativity is a core component of most modern software development, and it is widely used in IoT applications. In this FIIF event we take a look at principles and components used when designing applications for cloud-nativity.

| | |
|---------|--|
| When | Thursday, April 29, 2021 at 9:00 – 12:30 |
| Where | Online only |
| Cost | Free for employees of FIIF partner organizations |
| Contact | FIIF Manager 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 . |

PoDoCo grants bring new skills to companies

The spring grant application round for the PoDoCo program is open from March 1 to April 15, 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.

“This year the grant was raised to 30,000 euros. In this way, the opportunity offered by PoDoCo remains a viable alternative for newly graduated doctors to export fresh research data to companies to accelerate their renewal,” says Dr. Seppo Tikkanen, head of PoDoCo at DIMECC Oy.

The PoDoCo program, led by DIMECC Oy, is funded by the Finnish Cultural Foundation, Jenny and Antti Wihuri Foundation, Maa- ja vesiteknikan tukiry, Svenska Kulturfonden, Svenska litteratursällskapet i Finland, Tekniikan edistämisseätiö, 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 in [PoDoCo webinars](#).

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

Virtual Conference: AI in Architecture, Engineering and Construction (March 24-25)

Architecture, Engineering and Construction (AEC) industry is also facing the opportunities and challenges of Artificial Intelligence (AI). AI is now present from design to construction and usage phases. Building information modelling and creation of smart buildings and cities have exponentially added the amount of data. Visual programming and immersive technologies (AR/VR/MR/XR) have made data-driven design more reachable and manageable.

Registration fee to this two-day online event is 469.96 € (incl. VAT).

More information on the [event web page](#).



Webinar by 5G Momentum (Traficom): “5G and Intelligent Buildings” April 14 at 13:00 – 14:30

The [5G Momentum -ecosystem](#) promotes the development and implementation of Finnish 5G services by creating a new type of cooperation network for 5G trials and tests. It also identifies challenges related to the 5G environment and makes Finnish 5G know-how visible.

5G Momentum is managed by the government agencies in the administrative sector of the Ministry of Transport and Communications, including Traficom, which coordinates the project, the Finnish Meteorological Institute and the Finnish Transport Infrastructure Agency.

5G Momentum organizes a webinar focusing on use of 5G in Smart Homes/Buildings and building automation, and in the construction industry. Presenters include Markus Mettälä (Traficom), Kirsi Leppä (Nokia), Tom Lindholm (YIT), Timo Kupsa (Solteq), and Sami Häggman (DNA).

This event is held in Finnish. Registration through [this link](#) latest on **April 9**, 2021. Webinar link will be sent to registered participants on April 12, 2021.

Contact at 5G Momentum: Project Manager [Marjo Uusi-Pantti](#) (tel. +358 2953 90 103).

Webinar: “How to prepare a successful proposal in Horizon Europe” (March 24 at 11:00 – 17:15)

The European Commission will organize an open information session on “How to prepare a successful proposal in Horizon Europe”. The purpose of this event is to inform all potential applicants to Horizon Europe calls on the modalities for preparing their proposals. The agenda will include two main points: “Submission and Evaluation” and “Model Grant Agreement”.

Preliminary agenda:

- 11:00 Presentation, agenda and logistics
- 11:15 Submission and Evaluation: Proposal template, basic principles, evaluation criteria
- 12:15 Q&A session
- 13:30 Lunch break
- 15:00 Welcom address by Jean-Eric Paquet, Director general of DG Research and innovation
- 15:15 The rules of the game – the Model Grant Agreement
- 16:15 Q&A session
- 17:15 End of the meeting

This first Horizon Europe webinar will take place **via YouTube**. Registered participants will receive by email a link to the event Web page with all details of participation.

Registration through [this link](#).

European Research and Innovation Days (June 23 and 24, online)

[European Research and Innovation Days](#) is the European Commission's annual flagship Research and Innovation event, bringing together policymakers, researchers, entrepreneurs and the public to debate and shape the future of research and innovation in Europe and beyond. In 2021, this event will take place online on June 23 and 24, allowing everyone to get involved from anywhere.

This year marks the start of Horizon Europe, EU's most ambitious research and innovation program ever. Cooperation in research and innovation is also essential in our recovery from the COVID-19 pandemic and will pave the way to a greener and more digital future. The European Research and Innovation Days represent a unique opportunity to add your voice to the conversation.

[Subscribe here](#) to receive updates on the event.

How soon will private 5G networks be relevant in the industry?

FIIF Event on Private 5G Networks brought together almost 50 FIIF members waiting to hear the latest news on where we stand with 5G now and how soon it will become relevant in the industrial landscape. **Tuuli Ahava** (Director, Nokia Enterprise Solutions) mentioned that industrial 5G is only starting. Even though 5G deals are being made, capabilities of 4G still cover 80 percent of the use cases. [Read more here.](#)



GNSS.asia's Soft-Landing Program (deadline: March 26)

GNSS.asia facilitates industrial co-operation on GNSS across continents. Its soft-landing program prepares Europe's boldest innovators for scalable success in Asia and the Pacific in 2021. Up to ten of Europe's most promising GNSS start-ups have the chance to access a 5-step internationalization sprint with individual tailored training and one-on-one business coaching sessions from global GNSS experts. Start-ups will receive financial support to explore local ecosystems, promote their start-ups among GNSS communities, and to open up global business opportunities.

Target markets include either China, India, Taiwan, South Korea, Japan or Australasia. Deadline for applications is **March 26, 2021**. More information available [here](#).

Point.IoT 2021 Innovation Challenge (deadline: April 30)

[Point.IoT](#) empowers IoT innovation with Galileo technology. Each year, ten teams of entrepreneurs have the chance to tackle relevant industry challenges. The selected teams design, test and implement their unique IoT solutions during a 3-month virtual sprint and compete for the top prize of €20,000. Rich with business and technical training, Point.IoT equips entrepreneurs with the essential tools required to realize their ideas and win their first corporate customer. Point.IoT 2021 challenges are: Transport & Logistics in a Connected World, Mobile Robotics & Automation as a Competitive Edge. Check [here](#) for more detailed information. Deadline for applications is April 30, 2021.

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