



TUESDAY JUNE 4th 16:00-19:00

Business Finland: Intelligent Manufacturing: Finnish AI Know-How in the fields of Robotics & Automation

NOTE! Seminar will be held at 13:00-16:00.

Welcome to join our seminar about Intelligent Manufacturing; Finnish AI know-how in the fields of Robotics & Automation. By participating you understand why AI, robotisation and automatisisation are vital corner stones of high level intelligent manufacturing in the future. You are also able to learn Finnish knowhow, offering and case stories of the topic.

Agenda:

- 1. Welcoming words, Jarmo E. Heinonen, Senior Director Cleantech, Business Finland*
- 2. Co-operation Opportunities Finland – Germany, Dr. Jan Feller, Stellvertretender Geschäftsführer, AHK Finnland (Deutsche-Finnische Handelskammer)*
- 3. Finnish Offering and Plans for Co-operation, Ulf-Erik Widd, Senior Advisor Cleantech, Business Finland*
- 4. Case 1, AI Solution for Manufacturing Industry, Heli Helaakoski, Senior Principal Scientist at VTT*
- 5. Case 2, Digital Transformation in Industrial Networks, Risto Raunio, Technical Director at Roima Intelligence*
- 6. Case Fastems, Peter Wagner, Technical Managing Director*

For those who participate both to Business Finland's seminar and Fastems' site-visit, there will be a transportation arranged from Tähtiareena to Fastems right after Business Finland's seminar ends.



Finnish Industrial Internet Forum (FIIF): The New Human Factor – AI Meets Employee and Customer Experience

- 16:00 **Opening Address**, Risto Lehtinen, FIIF Manager, DIMECC Oy
- 16:15- **Invited keynote: Dr. Kazuo Yano**, Fellow, Corporate Officer and Corporate Chief Scientist, Hitachi Ltd, Japan: *How AI is Making Workers Happier*
- 17:15- **Andreas Markevärn**, Digital Strategist, Digitalist Group, Sweden: **Know me, Coach me, Predict me - How to Stay Relevant in the Age of Digital**
- 17:45- **Dr. Mikko Dufva**, Leading Foresight Specialist, The Finnish Innovation Fund Sitra, Finland: **Three Ways to Approach Futures of Work in the Age of AI**
- 18:15- **Panel discussion**, Moderator: Risto Lehtinen
- 18:50- **Closing of seminar**, Risto Lehtinen

Fastems' journey to ecosystem economy (Site-visit)

At our technical visit, you will be introduced to Fastems' journey to ecosystem economies. We will start by visiting and showing you our factory and the current situation in the ecosystem economies. At the end of the visit, we will present the concept of a network of ecosystems telling how Fastems is located in that picture and also what our objectives are.

There will be a bus transportation arranged from Tampere City Center to Fastems.

Gofore: Building trust – learn and master transformation



We believe that new business requires mutual trust between relevant stakeholders to create value for customers.

In the workshop, we work on three dimensions:

- *Leadership as an enabler of trust*
- *Value creation with deeper customer understanding and collaboration*
- *Designing a new business ecosystem*

To register for this partner seminar, please send e-mail to outi.maatta@gofore.com.

WEDNESDAY JUNE 5th 08:30-11:30

ALSO: Benefits of edge computing in IoT Solutions

Explore the benefits of edge computing in IoT solutions with Microsoft Azure and HPE Edgeline devices

Beckhoff: Open, modular and scalable IoT and analytical solutions as part of PC-based automation system. Some presentations are in Finnish.

Beckhoffin automaatiojärjestelmät ovat rajapinnoiltaan avoimia ja helposti integroitavissa muihin automaatiojärjestelmiin. Beckhoff on vahvasti mukana mm. OPC-UA-protokollan kehittämisessä ja integroinnissa. Modulaarisuus tarkoittaa että eri ohjausjärjestelmät ja ohjelmistot ovat keskenään yhteensopivia ja mahdollistavat helpon laitteistoympäristön sovittamisen kulloisenkin tarpeen mukaisesti.

Tarkemman aikataulun ja puhujat löydät täältä:

<http://www.emaileri.fi/g/l/263670/0/0/3227/1166/1>



Midagon: Scaling Digitalization Agenda from “Digital Experiments” to “Transformative Approach” – including guest speakers from Meyer Turku and Metsä Group

Midagon is a consulting company specializing in program management – both in business and digital transformation. We have helped more than half of Finland’s 50 largest companies in their transformation.

Most of the largest Finnish companies have started their digitalization journey over the last 3-5 years. However, these activities have been mostly spear-heading or piloting-type-of-activities done in silos. For clarity’s sake, these activities may have been IoT-projects, data / analytics exercises or even digital platform implementations. But scaling digital to day-to-day operations requires more. It requires new competences, processes, methodology renewal and management system

refresh in order to realize true business benefits. In this seminar, we will investigate this topic from the angles of two real customer cases – Metsä Group and Meyer Turku – and an independent whitepaper study done by Midagon Oy.

Schedule:

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| 8:30-8:45 | <i>Opening by seminar chairman – Jussi Viitasalo, VP Sales&Marketing at Midagon Oy</i> |
| 8:45-9:30 | <i>CASE METSÄ GROUP: “Using artificial intelligence in production optimization” – Dr. Matti Ketonen, Business Development Director at Metsä Group</i> |
| 9:45-10:30 | <i>Midagon study “How to fix decades of ICT investment debt in order to enable transformative digitalization” –Ilkka von Schulman, Senior Managing Consultant at Midagon Oy</i> |
| 10:45-11:30 | <i>CASE MEYER TURKU: “Digitalization in shipping industry”, Kari Sillanpää, Head of R&D, Meyer Turku Oy</i> |



Siemens Digital Enterprise: Proven Business Value with Closed Loop Manufacturing

Thinking industry further

More flexible production, greater productivity, outcome economy and new business models are all here now - thanks to digital solutions. But the future of industry offers even more potential: Cutting-edge technologies will create new opportunities for discrete industries to fulfill their customers' individual requirements.

The Digital Enterprise solution portfolio enables industrial companies of all sizes to implement current and future technologies for the automation and digitalization. Thus, they can tap into the full potential of Industry 4.0 and get ready for the next level of their digital transformation journey.

In order to effectively support industrial customers in their digital transformation journey, Siemens has combined a design-thinking based approach called Value Hacking with our technology domain know-how.

Value Hacking is a proven, agile method for digitalization implementation to address and solve the strategic challenges of our customers.

In the MPD pre-seminar Finnish digital success stories providing measurable customer value will be presented by our customers.

Welcome to join the journey to the digital future!

Agenda:



- 08.30 Registration and coffee
- 08.50 Digital industry - from vision to reality
- *Jaakko Rantala, Sales Director, Digital Industries, Siemens Osakeyhtiö*
- 09.00 Kickstart your Digital Transformation Journey with Value Hacker – Case: Nestlé Juuka
- *Ilmari Veijola, Head of Sales, Digital Enterprise & Digital Services, Digital Industries, Siemens Osakeyhtiö*
 - *Tuomas Humalajoki, Business Unit Director, Customer Service, Digital Industries, Siemens Osakeyhtiö*
- 09.40 Autonomous ops through AI & Digital Twin: Roadmap to self-operating machinery
- *Ville Hulkko, Chief Commercial Officer, Co-founder, Silo.AI*
- 10.00 Coffee break
- 10.20 Virtual power plant services for manufacturing industry
- *Mikko Aalto, Sales Executive, Smart Infrastructure, Siemens Osakeyhtiö*
- 10.50 Financial solutions boosting digital transformation
- *Ari-Pekka Vuola, Senior Advisor, Siemens Financial Services*
- 11.10 Varjo VR-1: The only human eye resolution headset
- *Jarno Pelkonen, Business Development, Varjo Technologies Oy*
- 11.20 Discussion & wrap up
- 11.30 Official MPD program starts with lunch

VTT & Tampere University: Ecosystems supporting Digital Transformation of Industry

Joint effort are needed to boost digitalisation of manufacturing. In the seminar, we discuss the importance of collaboration in the development of digital technologies in manufacturing. Examples of company led ecosystems and of relevant European initiatives are given. Digital innovation hubs, data platforms, robotics and digitalisation pathways will



be highlighted.

Schedule:

9:00-10:20

Industrial renewal towards Industry 4.0

- *Nokia's perspectives on Industry 4.0 (Tuuli Ahava, Nokia)*
- *Sandvik Innovation Center & MEX ecosystem (Pasi Julkunen, Sandvik)*
- *Vision 2030 for Industrie 4.0 (Björn Sautter, Festo)*
- *Co-creation processes in industry (Mikael Hautala, IndustryHack)*

10:20-10:40

Coffee

10:40-12:00

Enhancing co-creation

- *Networking of Robotics Digital Innovation Hubs (Minna Lanz, TAU)*
- *ICT Innovations for manufacturing SME - I4MS (Ali Muhammad, VTT)*
- *Reboot IoT Factory ecosystem (Marko Jurvansuu, VTT)*
- *International Data Space from industrial perspective (Thorsten Hülsmann)*
- *Connected Factories – pathways to digitalisation (Chris Decubber, EFFRA)*
- *Questions / Panel*

Wapice: IoT analytic