

OPC DAY
FINLAND 2022
29.11.2022

OPC UA extends to field and cloud



FINNISH SOCIETY OF AUTOMATION
SUOMEN AUTOMAATIOSEURA RY

SPONSORS:



BECKHOFF



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PROSYS OPC



Valmet



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- Jukka Pirinen, Brightly Works
- Veli-Pekka Salo, Wapice

Finnish Society of Automation

- Marko Vuorio, Manager
- **Anu Randen-Siippainen**, Organisation and Event Coordinator

OPC Day History

Finnish Society of Automation

- 2002 OPC Roadshow
- 2003 OPC Session as part of SoftSympto '03 (Automaatiopäivät 2003)
- 2005-2011 OPC Day Finland
- 2012-2014 OPC & MES Day Finland
- 2015-2019 OPC Day Finland
- **2020-2021 OPC Day Finland (Virtual)**



SAS FSA

OPC Foundation

- 2011-2019 OPC Day Europe
- 2015-2019 North American Seminar Tour
- 2011-2019 Local OPC Day events in Europe and Asia
- **2020-2022 OPC Day International (Virtual)**



TheOPCFoundation

Day 1: Keynotes: Energy transformation

Day 2: Technical Update

Day 3: Information model updates

Day 4: Success Stories

Day 5: Best practice

Agenda: <https://opcfoundation.org/opcday>



OPC DAY INTERNATIONAL

IT meets Automation

APR 25–29, 2022

DIGITAL EVENT

BLOCK THE DATE!

TECHNOLOGY SOLUTIONS BUSINESS BENEFITS APPLICATION REPORTS ECO-SYSTEM ADAPTION

OPC FOUNDATION

Per day:

- 2h presentations
- 1h Q&A
- 2 times per day to cover different time zones

Over 1900 registrations in total

Recordings and Slides
available public

OPC Day

- [OPC Day International 2022 - All Presentations \(18.05.2022\)](#)
- [OPC UA Enabling Plug & Produce - Report from OPC Day Finland 2019 \(11.02.2020\)](#)
- [OPC UA Getting Real and Real-time - Report from OPC Day Finland 2018 \(17.12.2018\)](#)
- [OPC UA is Enabling Smart Manufacturing - Report from OPC Day Finland 2017 \(25.10.2017\)](#)
- [OPC Day Europe 2017 - OPC UA is the Industry 4.0 Communication \(14.06.2017\)](#)
- [OPC Day Finland 2016 - Presentations Online \(09.12.2016\)](#)
- [OPC Day Europe 2016 - Industry 4.0 is committed to OPC UA \(29.08.2016\)](#)
- [OPC Day Finland 2015 - Watch the Presentations Online \(23.11.2015\)](#)
- [OPC Day Europe 2015 - OPC UA goes to the cloud, open source and towards real-time! \(27.05.2015\)](#)
- [OPC and MES Day Finland 2014: Industrial Internet and Industry 4.0 \(10.10.2014\)](#)
- [OPC and MES Day Finland 2013 \(22.10.2013\)](#)
- [OPC Day Italy 2013 \(04.10.2013\)](#)
- [OPC Day Europe 2013 \(20.05.2013\)](#)
- [OPC and MES Day & OPC UA Workshop 2012 \(15.10.2012\)](#)
- [OPC Day Europe 2012 \(29.05.2012\)](#)

PROGRAMME

9:00

Opening

Jouni Aro, Finnish Society of Automation

9:10

Keynote: Latest News about OPC UA

Stefan Hoppe, OPC Foundation

9:35

OPC UA Field Level Communication (FLC) and OPC UA Field Exchange (FX)

Peter Lutz, OPC Foundation

10:00

Break, Meet the Sponsors

10:30

OPC UA Cloud – empowering central data modeling

Bo Biene, Inray

10:50

Latest News on OPC UA PubSub and Security Configuration

Matthias Damm, Unified Automation

11:10

OPC UA Machinery Information Model

Heiko Herden, VDMA

11:30

Lunch Break, Meet the Sponsors

12:30

Open Industry 4.0

Ricardo Dunkel, Open Industry 4.0 Alliance

12:50

Open Industry 4.0 Open Edge Computing

Konrad Heidrich, Hilscher

13:10

OPC UA Security Management and FX Configuration

Matthias Damm, Unified Automation

13:30

Break, Meet the Sponsors



14:00

OPC UA & Measurement Technology

Aapo Vuoristo, Beckhoff

14:20

OPC UA PubSub - Hands-on Demonstration

Jouni Aro, Prosys OPC

14:40

Large Scale Production Data Delivery to Cloud with OPC UA PubSub

Jan Borch, Amazon Web Services

15:00

Break, Meet the Sponsors

15:30

OPC UA as Large Scale Aggregation Server

Mika Karaila, Valmet

15:50

Solving energy crisis: OPC UA and UPM Energy Beyond Spot Service

Veli-Pekka Salo, Wapice & Jukka-Pekka Häkli, UPM

16:10

Digital Transformation: Accelerating Time to Value and Unlocking Double Digit KPI Improvements at Scale

Thorsten Weiler, Inray

16:30

OPC UA for Creating Next Generation Cloud Edge and Cloud Data Solutions

Jukka Pirinen & Janne Laukkanen, Brightly Works

16:50

Final Q&A

17:10

End of the day

OPC UA Use Cases

- OPC UA Client/Server (C/S)
 - Process Monitoring
 - Production Control (SCADA)
 - Production Orchestration (MES)
- OPC UA PubSub UDP
 - Field Level
 - Field Exchange (OPC UA FX)
- OPC UA PubSub MQTT
 - Cloud Connectivity
 - Broker based communication

