

OPC DAY
FINLAND 2023
30.11.2023

Interoperability for Wider Range of Applications

Jouni Aro
Chairman, OPC Committee



FINNISH SOCIETY OF AUTOMATION
SUOMEN AUTOMAATIOSEURA RY

SPONSORS:



BECKHOFF



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PROSYS OPC

TGS



OPC Committee

Members 2023

- **Chair:** Jouni Aro, Prosys OPC
- **Secretary:** Ilkka Seilonen, Aalto University
- Samuli Bergman, NAPCON
- David Hästbacka, Tampere University
- Mika Karaila, Valmet
- Tommi Karhela, Semantum
- **Mikko Heikkilä, Beckhoff**
- Tomi Lahti, Nokia
- 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)
- **2022 OPC Day Finland (Live again)**

OPC Foundation

- 2011-2019 OPC Day Europe
- 2015-2019 North American Seminar Tour
- 2011-2019 Local OPC Day events in Europe and Asia
- **2020-2023 OPC Day International (Virtual)**

 SAS FSA

 TheOPCFoundation

Programme 1/2

- 9.00
Opening
Jouni Aro, Finnish Society of Automation
- 9.10
Keynote: OPC UA Success Stories from the Industry
Stefan Hoppe, OPC Foundation
- 9.40
OPC UA Energy Harmonization
Espen Krogh, TGS Prediktor
- 10.10
Break, Meet the Sponsors
- 10.40
OPC UA Machinery Job Management
Christopher Liehr, VDMA
- 11.05
OPC UA Field Level Communication (FLC) and OPC UA Field Exchange (FX)
Peter Lutz, OPC Foundation
- 11.30
Meet the Sponsors
- 11.40
Lunch Break, Meet the Sponsors
- 12.40
OPC UA over MQTT Enhancements
Matthias Damm, Unified Automation
- 13.00
Industrial stream data management in Databricks
Jussa Klapuri, Brightly Works

Programme 2/2

13.20

Connecting securely to Cloud without breaking the Air Gap

Sami Hyytiäinen & Magnus Kullström, Advenica

13.40

Break, Meet the Sponsors

14.10

Interconnectivity unleashed: companion specifications and industrial interoperability

Otto Patolinna, Beckhoff

14.30

OPC UA Information Models as a Core of OT/IT Integration

Pyy Grönholm, Prosys OPC

14.50

Using OPC UA PA-DIM for Field Devices

Mika Karaila, Valmet

15.10

Break, Meet the Sponsors

15.40

4 success stories within 4 different energy generation domains

HydroPower/Wind/Solar/Oil&Gas

Espen Krogh, TGS Prediktor

16.00

Development environment of OPC UA FX

Matthias Damm, Unified Automation

16.20

Rust programming language and OPC UA status

Veli-Pekka Salo, Wapice

16.40

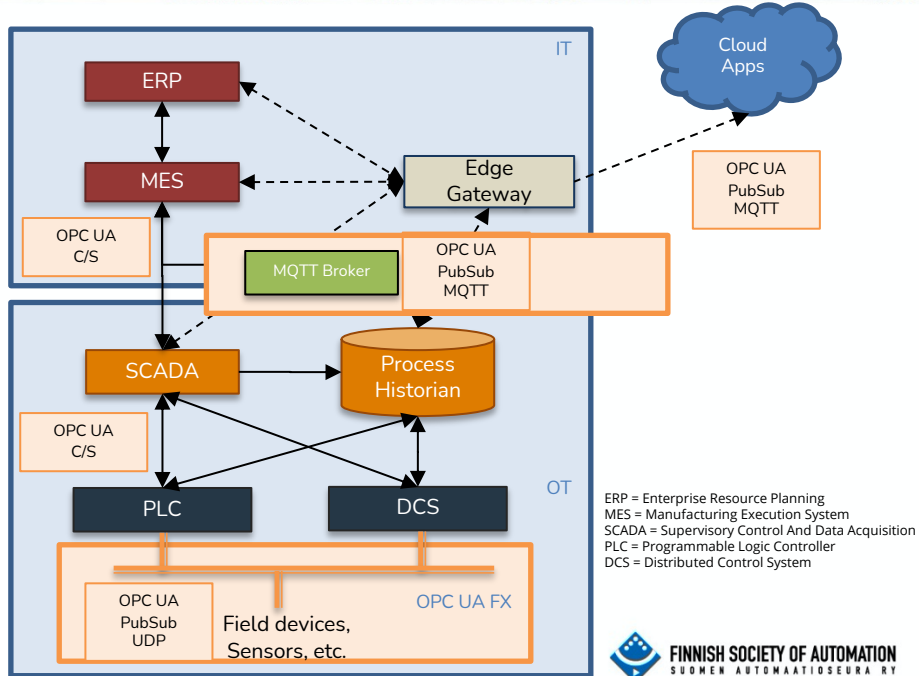
Final Q&A

17.00

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



Meet the Sponsors



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