

Invitation

„FEIN e.V. Colloquium: The road to Digital Substations“

For Members and Guests of FEIN e.V. – Cost-free, registration not required

Wednesday, 29.05.2024

Online 11:00 - 12:00 CET (hybrid)

Room 00.24, E.ON ERC – Mathieustraße 10, 52074 Aachen

Zoom Link

<https://rwth.zoom-x.de/j/69029252942?pwd=YzNGeVVuOC9pc2ppNGhEYXRmZEVvUT09>



Moderator:

Prof. Antonello Monti, ACS, Fraunhofer FIT & FEIN

Presenters and Panelists:

Friedrich Almer, Application Engineer, OMICRON

Ozan Dayanc, Cybersecurity Product Manager, OMICRON

FEIN e.V. – Förderer der Energie- und Informationstechnik für zukunftsfähige Netze Aachen e.V.

Chair: Univ.-Prof. Antonello Monti, Ph.D., Deputy Chairperson: Alexandra Bach, M.Sc.

Treasurer: Wilfried Gier, Secretary: Philip Meyer

Headquarters: RWTH Aachen, E.ON Energy Research Center – Mathieustraße 10 – 52074 Aachen

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In the first part of the event, the speakers present their topics. Afterwards, Prof. Monti moderates a discussion with the speakers, who will be answering questions of the audience. The event is in English.

Talk 1: The journey of IEC 61850 (Best Practice + Tips and Tricks)

A short introduction to the topic will focus on some best practices of implementing IEC 61850 as well as lessons learned over the last 20 years. The presenter will get on topics of the components of a fully digitalised substation as well as tips and tricks for the testing and commissioning compared to a conventional substation.



About the speaker, Friedrich Almer

After finishing an apprenticeship as an Electrical Technician with a focus on Process Control Engineering at Böhler Edelstahl, Friedrich Almer studied Electrical Engineering at the University of Technology in Graz. In 2017 he completed his Master Degree with a Focus on Power Systems and joined OMICRON as an Application Engineer and Knowledge Provider performing Trainings, Presentations and Commissioning in all voltage levels around Europe.

Talk 2: Cybersecurity posture of substations in energy sector

This presentation outlines the journey undertaken across 50 energy providers and their operational networks. Collaborative assessments were conducted alongside IT professionals, analyzing network behavior to identify vulnerabilities. The findings, detailed within this presentation, offer insights into the vulnerability of critical infrastructures to potential threats. Consequently, it emphasizes the necessity of IT involvement and best practices to safeguard OT environments.



About the speaker, Ozan Dayanc

Currently holds the position of Cybersecurity Product Manager at OMICRON. He has 7 years of experience in OT systems. He started his career in IT and then moved to OT where he was commissioning substation automation systems such as IEDs, RTUs, switches, time servers and SCADA system. Afterward, he started at OMICRON and combined his experiences in IT and OT and focused on cybersecurity. He had conducted security assessments across substations for European utilities

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