SWISS **OT-IT**
CYBER SECURITY
FORUM

Bringing the OT and IT responsibles together

to actively create value and security within the common cyber space

2nd Forum, March 4, 2021

Mission
Why should you attend?

The Swiss OT-IT Cyber Security Forum Series is a sequence of events which takes place three times per year, with the strategic goal to unify OT and IT decision makers. The main objective is achieving significant advances in security.

Background:

Historically, the two communitities had completely different set-ups:

- IT used to follow the speed of technology evolvement, with product cycles of about three years and extremely fast fixing of faults and errors: short reaction time of less than one hour is common practice by today.
- OT used to create solutions in the mechanical space with life cycles reaching from 25 to 70 years, with little maintenance on average every 3-5 years.

  In the past few years the use of IT in OT installation has been increasing dramatically and OT is now fully integrated in cyber-space. Therefore, the need to connect the two communitities is now more important than ever before in order to address the mutually dependent topics including security issues.

Design of the forum:

- 3 meetings per year
- 2-3 talks from industry leaders delivered in English
- Several roundtables lasting 1 hour
  in D, F and E at every meeting

Participation fee:

- CHF 360 per event, alternatively CHF 960 for three events (one year)
- Participation by invitation only. Proposal for inviting additional key persons mail to:
  bmhaemmerli@OT-IT-CyberSecurityForum.ch

Content:

The content will be coordinated by Prof. Dr. Bernhard M. Haemmerli, Hochschule Luzern, and will be created by the organizing committee.

Organizing Committee:

Drives the process for the meetings with delegates, sponsors and selected partners.

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Cloud Edge Industrial IoT (IIOT):
Which additional security measures are needed?

The strategic trend is to report all sensors values to cloud, and then calculate from the cloud the steering or control values which will be delivered back to the infrastructure. With this architecture, multiple different evaluations and views on the IIoT status are feasible. For our OT-IT discussion are the following question relevant:

- Which new security aspects should be covered?
- What are potential cloud security practices and cloud migration security support?
- Is patching compliant with the sector's rules and legislation?

In this context two keynotes introduce with stimulation to the topic:

The need of end-to-end privacy, integrity and authenticity of OT/IoT device communication
Andreas Thiel, Executive Director Product Centers, Co-Founder

Electrical systems secure digitalization through high-speed networks for better and control and visibility
Luca Haab, Global Technology Manager Wired Communications, and Rouven Floeter, Global Product Manager Cybersecurity Solutions

In two discussion rounds the topics are controversially reflected and options will be discussed:

Roundtable 1:
Implementing life-time and life-cycle end-to-end privacy, integrity and authenticity: how to approach and what must be considered?

Roundtable 2:
IIOT security: which concepts, architectures and technologies provide the required security level?

Date: March 4, 2021
Time: 12:45 h - 17:30 h
Place: Webex on-line meeting with discussion groups due

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Agenda

12:45 h	opening of Webex for testing.
13:00 h	onboarding participants.
13:15 h	Welcome notes, by Kudelski Security and Prof. Hämmerli

13:30 h — **The need of end-to-end privacy, integrity and authenticity of OT/IoT device communication**
Andreas Thiel, Executive Director Product Centers at u-blox, Co-Founder

14:00 h — Roundtable 1:
Implementing life-time and life-cycle end-to-end privacy, integrity and authenticity: how to approach and what must be considered?
With exchange between groups.

15:10 h — Break

15.30 h — **Securing digitalization in electrical systems with Quantum-safe high-speed communication**
Luca Haab, Global Technology Manager Wired Communications
at Hitachi ABB Power Grids
Rouven Floeter, Global Product Manager Cybersecurity Solutions
at Hitachi ABB Power Grids

16:00 h — Roundtable 2
IIOT security: which concepts, architectures and technologies provide the required security level?

17:10 h — Wrap up

17:30 h — End of Forum 2

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Swiss OT-IT Cyber Security Forum 3

on Certification & Innovation: how to get the best out of both?
Core topic: With newest products and advanced technology, some innovative corporations believe, to create superior security compared with traditionally solutions and concepts. A more organizational approach is certification: Certified expert, certified products, and certified solutions should bring more security and defined level of (minimal) security. The debate will balance and trade the extreme positions.

Date: June 10, 2021, 12:00 h - 20:30 h
Place: Axpo Kernkraftwerk Leibstadt
Speakers: Advance approaches to automate OT security based on regulators' will and
                attackers' mind set
                Netanel Davidi, Co-Founder, Co-CEO, Member BoD; VDOO Connected Trust Ltd

                Certification to advance to the required Cyber Maturity level
                Renate Verheijen, European Union Agency for Cyber Security (ENISA)

Roundtable 1:   Innovation in OT-IT: how do most of the recent advancement help?

Swiss OT-IT Cyber Security Forum 4

on United Crises Management OT-IT: How to benefit from better and well-tuned collaboration?
Core topic: Emerging networked OT-IT systems need new ways to have efficient and powerful crises management. For this purpose a review of the processes, of mutual dependencies and common exercises are paramount.

Date: September 23, 2021, 12:00 h - 20:30 h
Place: ABB Baden, request pending
Speakers: TBD

Roundtable 1:   Incident Response Plan of OT and IT: What are the differences?
Roundtable 2:   United Crises Management OT-IT: What are advantages and draw backs?
                Joint incident response training/exercises

Registration

Register by replying to the invitation email with all your details – or by filling out this form and sending through a scan or alternatively through a smartphone picture. Send this completed form to: info@OT-IT-CyberSecurityForum.ch

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☐ Three consecutive forums for CHF 960.–
3 events Forum 2 (04.03.2021), Forum 3 (10.06.2021), and Forum 4 (23.09.2021)

☐ 2nd OT-IT Cyber Security Forum, March 4, 2021 for CHF 360.– (single event)

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