SWISS **OT-IT**
CYBER SECURITY
FORUM

Improving OT-Security:
Architecure – Measures – Organization

Improving OT security: Architecture, zoning, secure identity (IAM),
privileged access (PAM), secured remote access (RAS), and other measures.

8th Forum, March 02, 2023, 12:00-20:30 h
Hitachi Energy, Bruggerstrasse 72, 5400 Baden, nearby train station

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 communities 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 communities 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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SWISS **OT-IT CYBER SECURITY** FORUM

Improving OT-Security:
Architecture – Measures – Organization

Improving OT Architecture has many facets, including educational, human, organizational, strategic, and technological factors. Our focus will be on the transformational process: How can OT security reach a new level of maturity and use the best supportive technology. We are going to explore which measures are available and how to design an overall security architecture, which is effective and efficient.

Organizational transformation is a permanent process, which must consider the overall ecosystem, so that it will be and remain supportive to address the security challenges. Especially in critical environments the priority must be resilience, which includes plenty of processes, as well as fast reaction on research and innovation on the attacker's side. We expect in the next period a strong move to "nation state" similar attacks of money maker hackers. The funding earned by ransom enables them to play as top notches in the scene.

The Zero Trust Architecture (ZTA) is – some years after being proposed – in its initial deployment. However, ZTA is not a product and nothing you can order. Much more you need to dig into this new plan (or philosophy) step by step over several years. By doing so you can improve OT security significantly with architecture, zoning, secure identity (IAM), privileged access management (PAM), secured remote access (RAS), and other measures. The following questions are relevant for this forum:

- How to care for your organization's security, while keeping the ties, enthusiasm, and engagement for security?
- How to start a multiyear plan to implement Zero Trust Architecture?
- How to track changes on the offender side to keep both, the protection, and the incident response up-to-date?

Keynotes:

Security as a process – the challenge of constantly adapting in a critical environment.
Hadeli Hadeli, Global Product Manager for Cybersecurity Solutions

Security in the infrastructure architecture: development – operation – automation
Chris Ditze-Stephan, HSLU lecturer

Roundtables:

Roundtable 1: **Organizational measures: How to leverage technology to its full security power?**

Roundtable 2: **Technology for better Security: a debate on options and performance of available measures, with a touch of Zero Trust Architecture.**

Date: Thursday, March 2, 2023
Time: 12:00 h - 20:00 h
Place: Hitachi Energy, Bruggerstrasse 72, 5400 Baden, 10 min from Baden SBB station

Agenda

In-Person Meeting, Hitachi Energy, Bruggerstrasse 72, 5400 Baden
on participants special request, online attendance will be provided.

12:00	Lunch
12:45:	Networking amongst participants
13:15	Welcome note by Hitachi Energy and Prof. Bernhard Hämmerli
13:30	Security as a process – the challenge of constantly adapting in a critical environment. Hadeli Hadeli, Global Product Manager for Cybersecurity Solutions
14:00	Roundtable 1: Organizational measures: How to leverage technology to its full security power?
14:55	Exchange between groups
15:10	Break
15:40	Security in the infrastructure architecture: development – operation – automation Chris Ditze-Stephan, HSLU lecturer
16:10	Roundtable 2: Technology for better Security: a debate on options and performance of available measures, with a touch of Zero Trust Architecture.
17:05	Exchange between groups
17:20	Warp up and information on next meeting
17:30	The old town of Baden with its industry history
19:00	Dinner at Ristorante Gottardo, Stadtturmstrasse 14, 5400 Baden
20:00	End of Meeting

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Supply chain necessity against the background of the divide in NATO and Russia / Asia block. What does this mean for OT and IT security, and which actions must be taken?

Core topic: The security requests to suppliers are the same, as we have ourself: Software testing and verification (even formal?) and an integrated monitoring of the software supply chain. Furthermore, living and consequently applying a Coordinated Vulnerability Disclosure Process (CVD) is essential. We refine, and debate, how to speed up these requests.

Date:	Thursday, June 22, 2023, 12:00-20:30h
Place:	Grimsel Hospiz, Kraftwerke Oberhasli
Speakers:	Alex Diekmann, Director Coporate Security u-blox und TBD
Roundtable 1:	What are the challenges around the suppliers of the opposite block and is an escape from supplier issues feasible, and desirable?
Roundtable 2:	Discussing potential solutions: With which actions the security can be maintained at high level, and are multi block solutions good enough?

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Human Factor in OT-IT, and between the two: identifying the potential for better security and acting for an improved maturity.

To lead people is considered as a big art, but to lead people in security, where limited disciplinary measures are available, is a paramount art. How to stimulate for security, how to achieve the buy-in, how to keep the motivation on a high level and how bring the OT community and the IT community with huge differences in respect to background in a common track? We will approach these topics and provide state of the art approaches to address this challenge.

Date:	Thursday, September 14, 2023, 12:00-20:30h
Place:	TBD, Berne region
Speakers:	Thomas Schlienger, ThreeSolution und TBD
Roundtable 1:	Security culture, awareness, and behavior: identifying successful and failing strategies.
Roundtable 2:	Merging OT-security and IT-security: identifying challenges, options for improvement and tips for keeping the new status on a high level.

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

Online participation will be available on your special request to the organizer.

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☐ Three consecutive forums for CHF 960.–
3 Forums: Forum 8 (02.03.2022), and Forum 9 (20.06.2023) Forum 10 (14.09.2023),

☐ 8th OT-IT Cyber Security Forum, March 2, 2023 for CHF 360.– (single event)

☐ I register for dinner at Ristorante Gottardo in Baden (March 2, 2023, 19h)

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