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# CYBER SECURITY 2018

Grand Hotel Oslo by Scandic  
25. - 26. April 2018



nfeqa

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Threat actors are more sophisticated, with more detailed knowledge not only about critical and proprietary control system components, but also about the actual physical process that is being controlled. Some threat actors are also increasingly able to demonstrate that they have access to extensive skills, financial backing and resources.

Norwegian businesses depend on the ability to implement strategies to improve cyber security urgently in an ongoing process. Cyber security attacks on industrial automation and control systems can in the worst case have physical consequences. The industry is meeting the new challenges when critical systems that were isolated before are now connected to networks, possibly also to the Internet.

This NFEA conference focuses on cyber security in critical infrastructure internationally as well as the status for cyber security in the oil and gas industry. Leading standards that apply today will be presented along with how the standards are being applied within different corporations' governance frameworks and procedures.

This year we have a special focus on «Security for safety», and we try to point out how new technology can challenge critical systems we thought were safe.

## 25. APRIL

<p><b>09:00 Registration</b></p> <p><b>09:50 Welcome</b> Karin Sundsvik, Director, NFEA</p> <p><b>10:00 Cyber threats and the petroleum industry Possibilities for learning?</b> Asbjørn Ueland Petroleum Safety Authority Norway</p> <p><b>10:30 Embodied vulnerabilities –Cyber-physical security of medical devices</b> Marie Moe SINTEF Digital</p>	<p><b>Best practice</b> <b>Chair: Tor Anders Hauge, Glencore Nikkelverk</b></p>
<p><b>IEC 62443</b> <b>Chair: Jan Munkejord Statoil ASA</b></p>	<p><b>14:30 IEC 62443 and risk based designs for critical systems in oil &amp; gas projects</b> Fredrik Gratte Erik Provan Aker Solutions AS</p>
<p><b>11:00 Introduction to the IEC62443 standards</b> Judith Rossebø ABB</p>	<p><b>15:00 Cyber Security in the manufacturing industry</b> Karl Schrade, Senior ICS Security Consultant Phoenix Contact Cyber Security</p>
<p><b>11:30 Lunch in the lounge"Speilen"</b></p>	<p><b>15:30 Cyber security for drives</b> Bjarte Olsen ABB AS</p>
<p><b>12:30 Introduction to the European IACS components Cybersecurity Certification Framework (ICCF) Certification according to IEC62443-4-2.</b> Michael Theuerzeit Hudson Cybertec</p>	<p><b>16:00 End day one</b></p>
<p><b>13:00 How ISA/IEC 62443 standard series is used in Scandinavia</b> Margarita Jaitner Swedish Defence Research Agency</p>	<p><b>18:30 Conference dinner at Bølgen &amp; Moi, Tjuvholmen</b></p>
<p><b>13:30 Protection Levels and how you could deal with them</b> Widar Th. Syverinsen Siemens AS</p> <p><b>14:00 Break</b></p>	<p><i>The program is subject to change.</i></p>

Thanks to our sponsors:



26. APRIL

Introduction to Maersk by Judith Rossebø, ABB

**08:30 Lessons learned, ransomware**  
Karsten Rosgaard  
Maersk Drilling A/S

**New trends, technologies and Industry 4.0**  
Chair: Marie Moe, SINTEF Digital

**09:00 (in)Security in Building Automation:  
How to Create Dark Buildings with Light  
Speed**  
Thomas Brandstetter  
Limes Security

**09:30 Challenges going from Fieldbus to  
Ethernet networks**  
Patrick Lansdorf, Channel Partner Manager  
HMS Industrial Networks AB

**10:00 Break**

**10:30 Attack detection using SIEM - Security  
Information and Event Management**  
Ådne Faugstad-Kaldestad, Cyber Security  
Senior Engineer, ABB AS  
Olav Mo, Cyber Security Manager, ABB AS

**11:00 Security In maritime communications,  
autonomous ship**  
Christian Frøystad  
SINTEF Digital

**11:30 Lunch in the hotel restaurant "Palmen"**

**12:30 APT case study**  
Martin Eian  
mnemonic AS

**13:00 OPC enables secure real-time  
communication with Industrial  
Control Systems**  
Randy Kondor, P.Eng.  
OPC Training Institute

**13:30 Break**

**Critical systems**  
Chair: Trygve Kristoffersen, Triple-S

**13:45 Security for Safety**  
**The NAMUR NE 163 Method**  
Erwin Kruschitz  
anapur AG / NAMUR

**14:15 Railway in technological development -  
are there sufficient mechanisms to  
protect against cyberattacks?**  
Roar Andreassen  
Kaja Daae Torsteinsen  
Lloyd's Register Consulting – Energy AS

**14:45 Pandora's box**  
**Case studies and reviews showing how  
hackers can utilize support systems to get  
a backdoor into your critical infrastructure**  
Lars Erik Smevold  
KraftCERT

**15:15 End of conference**

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## PRACTICAL INFORMATION

### Time and place for the conference:

25. - 26. April 2018  
Grand Hotel Oslo by Scandic  
Karl Johans gate 31, 0159 Oslo

**Registration:** Register for the conference at  
www.nfea.no or email: nfea@nfea.no

### Cancellation:

Cancellation later than three weeks before the  
conference will be charged with a fee of NOK 2.000,-.  
Cancellation later than one week will be charged with the  
full fee.  
Cancellation needs to be notified in writing to be valid.

### Participant Fee:

Company member	kr. 7 000,-
Personal member	kr. 7 000,-
Education member	kr. 4 000,-
Education Non member	kr. 5 000,-
Non member	kr. 9 000,-

### Exhibition (max 3 m. length)

#### -inclusive one participant:

Members	kr. 12 000,-
Non members	kr. 14 000,-

### Exhibition incl. logo:

#### - inclusive one participant

Company member	kr. 16 000,-
Non member	kr. 18 000,-

### Logo in the program:

Members	kr. 5000,-
Non members	kr. 7500,-

### Program Committee:

Jan Munkejord – Statoil ASA, Committee Leader  
Tor Anders Hauge – Glencore Nikkelverk AS  
Trygve Kristoffersen – Triple-S AS  
Marie Moe – SINTEF Digital  
Judith Rossebø – ABB AS  
Frode Stensletten – Goodtech AS  
Karin Sundsvik– NFEA  
Tonje Olsen – NFEA

### Hotel:

We have reserved some rooms at Grand Hotel by  
Scandic. Booking at www.grand.no with the reference  
code BBES240418. (Code valid until 26th of March)

### Dinner at 25th of April:

NFEA will arrange a dinner at Bølgen & Moi, Tjuvholmen  
25th of April.  
Price: NOK 850,- We hope you will attend this social  
gathering. Sign up for the dinner latest within 13th of April.

### Membership in NFEA:

Company member	NOK 5 000,-
Personal member	NOK 500,-
Education/research companies	NOK 5 000,-
Students are free of charge.	

### Language:

If possible prepare the written presentations in English.  
Each individual speaker may decide whether they wish  
to speak Norwegian or English, however the preferred  
language is English.

## EXHIBITORS:

Phoenix Contact  
Phoenix Contact Cyber Security  
SecurityMatters  
Triple-S AS  
Honeywell Process Solutions  
Telenor Inpli AS  
Sysctl AB  
Last Mile Communication AS



NFEA is not responsible for expenses participants may have in connection with the conference due to unforeseen events like flight cancellations etc.

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