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ResearchTest

THIS CONFERENCE IS COMPLETED

8 MAR, STOCKHOLM

Wireless in nuclear applications



ILLUSTRATION: ANNIKA ÖRNBORG/PIXABAY

What are the challenges and opportunities with using wireless technology in nuclear applications?

Energiforsk R&D program ENSRIC focused on safety related I&C in nuclear applications, is carrying out a mapping of how wireless technology can be used in the nuclear industry.

On March 8 a seminar was held to present the results of our study. We also invited speakers from power plants, vendors, consultants and research community. New opportunities and challenges that wireless technologies can bring to the nuclear industry were discussed.

Program and documentation:

- | | |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9.00 | Registration and coffee |
| | Welcome |
| 9.30 | (https://energiforskmedia.blob.core.windows.net/media/24305/01-energiforsk_adsten.pdf), <i>Niclas Larsson, SSM and Monika Adsten, Energiforsk (Sweden)</i> |

Wireless technologies, opportunities and challenges

Conferences

- | | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 13
AUG
2018 | ÄNGAVALLEN
GasAkademin summer school
(/konferenser/kommande/gasakade
summer-school/) |
| 20
SEP
2018 | STOCKHOLM
Borrhålslager för morgondagens
fjärrvärme
(/konferenser/kommande/borrhalsl
for-morgondagens-fjarrvarme/) |
| 1
OCT
2018 | STOCKHOLM
Elnäten tar språnget in i den
digitala världen
(/konferenser/kommande/elneten-
tar-spranget-in-i-den-digitala-
varlden/) |
| 13
NOV
2018 | STOCKHOLM
Vibrations in nuclear applications
2018
(/konferenser/kommande/vibrations
in-nuclear-applications-2018/) |
| 4
DEC
2018 | FORSMARK
Polymers in nuclear applications
(/konferenser/kommande/polymers
in-nuclear-applications/) |

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9.45 Wireless - an enabler for effective implementation of NPP digitalization
(https://energiforskmedia.blob.core.windows.net/media/24306/02-enablers_vattenfall.pdf), *Anders Johansson, Vattenfall (Sweden)*

10.00 *EU project Modern2020 – wireless technology for repository monitoring programme*
(https://energiforskmedia.blob.core.windows.net/media/24307/03-wireless_repository_.pdf), *José Luis García-Siñeriz M., Amberg infrastrucuras (Spain)*

10.30 ICON - Control & Wireless in Nuclear and other activities at the South West Nuclear Hub
(https://energiforskmedia.blob.core.windows.net/media/24308/04-icon_herrmann.pdf), Bristol, UK, *Guido Herrmann, University of Bristol (UK)*

11.00 Wireless Cyber security
(https://energiforskmedia.blob.core.windows.net/media/24309/05-cyber_security_savola.pdf), *Reijo Savola, VTT Technical Research Centre of Finland Ltd. (Finland)*

11.30 Lunch

12.30 Operator's view on Low Power Wide Area Network (LPWAN)
(<https://energiforskmedia.blob.core.windows.net/media/24323/06-telia-david-trotter-lpwan-energy-sector.pdf>), *David Trotter, Telia (Sweden)*

Wireless in nuclear

13.00 Wireless in Nordic NPPs

Wireless at Loviisa Nuclear Power Plant, *Niklas Hurmerinta, Fortum (Finland)*

Current situation and Future expectations for wireless in NPP
(https://energiforskmedia.blob.core.windows.net/media/24310/08-forsmark_ohlson.pdf), *Emil Ohlson, Forsmark NPP (Sweden)*

13.30 Wireless in Nuclear – Nuclear Radiation-Tolerant Wireless Transmitters
(https://energiforskmedia.blob.core.windows.net/media/24311/09-radiation_tolerant_gustavsson.pdf), *Eva Gustavsson, Westinghouse Electric Sweden (Sweden)*

14.00 Coffee break and networking

14.30 Implementation experience and international guidance for wireless technology in nuclear, *Chad Kiger, AMS Corporation (USA, remote presentation)*

15.00 Wireless in Nuclear @Exelon
(https://energiforskmedia.blob.core.windows.net/media/24312/11-exelon_ansley.pdf), *William Ansley, Exelon (USA, remote presentation)*

15.30 *Wireless in Nuclear feasibility study*
(https://energiforskmedia.blob.core.windows.net/media/24313/12-wireless_mapping_laikari.pdf), *Arto Laikari, VTT Technical Research Centre of Finland Ltd (Finland)*

16.00 Conclusions

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English text

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