

Nuclear Power
Monika Adsten
+46 8 677 27 35, +46 70 677 27 35
monika.adsten@energiforsk.se

Date October 16, 2017

Seminar: Vibrations in nuclear applications 2017

Date: November 8, 09.00-16.15, followed by mingle dinner 16.30-18.30

Venue: Energiforsk office, Olof Palmes gata 31, Stockholm, Sweden

Moderator: Tobias Törnström, OKG, chairman of the Vibrations in nuclear applications R&D program

Program:

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| 09.00 | Coffee and registration |
| 09.30 | Welcome, <i>Monika Adsten Energiforsk</i> |
| 09.40 | Introduction and status of turbines and generators in OKG, <i>Tobias Törnström, OKG</i> |
| 10.00 | Status of turbines and generators in Fennovoima, <i>Nhan Huynh and Vesa Hurskainen, Fennovoima</i> |
| 10.15 | Turbine and generator vibrations, <i>Prof. Rainer Nordmann</i> |
| 10.45 | Coffee |
| 11.00 | Analysis of the Influence Coefficient Matrix for On-site Balancing of Flexible Rotors, <i>Bastien Abrate, GE</i> |
| 11.30 | Lunch |
| 12.30 | Torsional vibrations in shaft trains, <i>Harald Breitbach, Wölfel</i> |
| 13.00 | Model-based Monitoring of Torsional Vibration: Operational Experience and Predix Integration, <i>Thomas Krueger (speaker), Mateusz Golebiowski and Eric Knopf, GE</i> |
| 13.30 | Coffee |
| 13.45 | Pipe vibrations – Analysis and mitigation, <i>Mikko Merikoski, FS Dynamics</i> |

- 14.15 Multi physic measurements solves mechanical problems, *Elisabet Blom and Claes Fredö, Qring*
- 14.45 Coffee
- 15.00 Numerical modelling of FIV of nuclear fuel rods, *Afaque Shams, NRG*
- 15.30 The influence of heat exchangers on water hammer pressure transients, *Kristian Angele, Vattenfall R&D*
- 16.00 Concluding remarks, Tobias Törnström, OKG
- 16.30 Mingle dinner at Energiforsk (optional)