S·E·E·S
SWEDISH ENVIRONMENTAL ENGINEERING SOCIETY

Welcome to SEES autumn meeting 2023

with two alternate focus areas:

Virtual testing and Combined environmental factors

Place:	Siemens Energy, Slottsvägen 11, Finspång
Time:	11:15 tuesday October 17 – 14:45 wednesday October 18, 2023
Fee:	SEES members and speakers free, non-members 3 000 SEK, meals included.
Registration:	Click this link to register, **no later than 9th October 2023**
Hotel:	Participants book their own hotel. SEES has special rates here (single/double): The Lamp Hotel, Norrköping, info@thelamphotel.se or 011-122010, code ***SEES2023*** (1600/1800) Comfort Hotel, Norrköping, book here (1195/1395) Elite Grand Hotel, Norrköping, book here (1590)

Program

Tuesday 17/10

11:15 – 11:30	Gathering at Siemens reception
11:30 – 12:30	**- Lunch -**
12:30 – 12.45	Welcome and info from SEES
12.45 – 13:20	Research project for improved prediction of vibration fatigue (Martin Olofsson, RISE)
13:20 – 13:55	Virtual vibration fatigue testing of battery pack (Benjamin Grozdanic, MSC Software)
	- pause -
14:05 – 14:40	How to account for influence factors in fatigue - independent influence factors vs. machine learning (Michael Hack, Siemens Industry Software)
14:40 – 15:15	Gas turbines: design of components exposed to 2000 K and rotational velocities of 550 m/s (Mats Kinell, Siemens Energy)
15:15 – 15:45	**- Coffee break -**
15:45 – 17:30	Visit at Siemens Energy
19:45 –	**Dinner at The Lamp, Norrköping**

Wednesday 18/10

08:30 – 09:05	Using Simulation to Improve PCB Reliability (Andreas Rydin och Jens Albrektsson, Ansys)
09:05 – 09:40	Vibration prediction of critical components for Battery Box interior (David Bellgran, Volvo CE)
09:40 – 10:15	**- Coffee break -**
10:15 – 10:50	Hybrid simulation (Tim Powell, MTS)
10:50 – 11:35	Simulation and physical correlation of humidity impact on modal behaviour of polymeric parts under dynamic load (Jonas Rolfart & Filip Stenlund, Husqvarna)
11.40 – 12:40	**- Lunch -**
12:40 – 13:15	Virtual prediction and validation of structural component behavior under realistic operating conditions (Jan Granlund, Dassault)
13:15 – 13:50	Corrosion-Fatigue interaction on 3D-Printed (L-PBF) AlSi10Mg (Erik Dartfeldt, RISE)
13:50 – 14:00	Summary (SEES)
14:00 – 14:45	**Final mingling with coffee at Finspång slott**