

APRI 10 – Webbinarium

Forskning kring svåra haverier

27 - 28 januari 2021

AGENDA

Onsdag 27 januari

Inledning			
•	Seminariets öppnande	<i>Mauritz Gärdinge</i>	09:00 - 09:10
•	APRI 10 - En överblick	<i>Henrik Glänneskog</i>	09:10 - 09:25
Session 1 NPS forskning – Härdsmältor och kylbarhet		Moderator Roberta Concilio	
•	Overview of severe accident research at KTH-NPS	<i>Weimin Ma</i>	09:25 - 09:40
PAUS 09:40-09:50			
•	SIMCEO-2 research on debris remelting and melt pool convection	<i>Andrei Komlev</i>	09:50 - 10:20
•	Coupled thermo-mechanical approaches for RPV failure analysis	<i>Peng Yu</i>	10:20 - 10:50
PAUS 10:50-11:00			
•	Advanced structural modeling of a reactor pressure vessel wall with external cooling	<i>Hongdi Wang</i>	11:00-11:30
•	Scoping tests of debris formation with metallic melt	<i>Yan Xiang</i>	11:30 - 12:00
LUNCH 12:00-13:00			
Session 2 Haverikemi		Moderator Mattias Olsson	
•	Severe nuclear accident chemistry research at Chalmers in a historical perspective	<i>Christian Ekberg</i>	13:00 - 13:15
•	Tellurium – Effects of seawater, cesium-iodide, and metallic surfaces	<i>Fredrik Espegren</i>	13:15 - 13:45
•	Tellurium behavior in the liquid phases in the containment	<i>Anna-Elina Pasi</i>	13:45 – 14:15
PAUS 14:15-14:30			
Session 3 ROAAM+		Moderator Gennadi Loskoutov	
•	Risk Oriented Accident Analysis Methodology (ROAAM+) Overview	<i>Pavel Kudinov</i>	14:30 - 15:00
Avslutning 15:00			

APRI

Accident Phenomena of Risk Importance

Torsdag 28 januari

Inledning		
<ul style="list-style-type: none">• Introduktion dag 2	<i>Mauritz Gärdinge</i>	09:00 - 09:05
Session 4 NPS forskning – Härdsmältor och kylbarhet		
Moderator Roberta Concilio		
<ul style="list-style-type: none">• Investigation of melt flow infiltration in porous media	<i>Mohsen Hoseyni</i>	09:05 - 09:40
<ul style="list-style-type: none">• High-fidelity simulations of an internally heated molten pool	<i>Boshen Bian</i>	09:40 - 10:10
PAUS		
10:10 - 10:20		
<ul style="list-style-type: none">• Debris bed coolability analysis: Modeling, validation and application	<i>Yangli Chen</i>	10:20 - 10:55
<ul style="list-style-type: none">• MISTEE experiments on oxidation of metallic melts in water and quenching of particles in coolants	<i>Weimin Ma</i>	10:55 - 11:25
<ul style="list-style-type: none">• Experimental study on spray cooling of RPV external surface	<i>Walter Villanueva</i>	11:25 - 12:00
LUNCH		
12:00 - 13:00		
Session 5 Internationella projekt		
Moderator Patrick Isaksson		
<ul style="list-style-type: none">• Overview of ongoing international projects in severe accident research	<i>Sevostian Bechta</i>	13:00 - 13:40
<ul style="list-style-type: none">• OECD/NEA Projekt: BIP 3, STEM 2 och THAI 3,	<i>Christian Linde</i>	13:40 – 14:10
PAUS		
14:10 - 14:30		
Session 6 Huvudtalare – Aspekter på olyckan i Fukushima		
Moderator Patrick Isaksson		
<ul style="list-style-type: none">• Aspects of Fukushima Accident, <i>film</i>	<i>Randy Gauntt</i>	14:30 - 15:15
<ul style="list-style-type: none">• Frågestund	<i>Publiken</i>	15:15 – 15:30
Avslutning		
<ul style="list-style-type: none">• APRI 10 Slutsatser, framåtblick mot APRI 11	<i>Mauritz Gärdinge</i>	15:30-15:45
<ul style="list-style-type: none">• Tack	<i>Henrik Glänneskog</i>	15:45-16:00