

« Advanced deterministic and probabilistic integrity analyses of RPVs subjected to PTS Loading - Lessons learned from APAL »

Institute for Radiological Protection and Nuclear Safety (IRSN), Paris 17 – 18 September. 2024

## AGENDA

APAL FINAL SEMINAR DAY 1					
Date 17 <sup>th</sup> September					
Time	Торіс	Person in charge	Mode		
9:00 - 9:15	Registration				
9:15 – 9:30	Welcome to IRSN	Patrice Giordano	Onsite		
9:30 - 9:45	Opening and APAL project overview	Vladislav Pištora	Onsite		
State of the	art overview	Chair: Carlos Cueto	)-F.		
9:45 - 10:05	Overview on the state-of-the-art in PTS	Carlos Cueto-F.	Online		
10:05 - 10:25	Warm pre-stress (WPS) in PTS	Maksym Zarazovskii	Onsite		
10:25 - 10:45	Residual stresses relevant to PTS	Szavai Szabolcs	Onsite		
10:45 - 11:00	Coffee break				
Advanced the	ermal-hydraulics analysis procedures	Chair: Pavel Král			
11:00 - 11:40	Introduction to Thermo-hydraulics	Pavel Král	Onsite		
11:40 - 12:25	Uncertainties and BEPU analyses	Ivor Clifford	Onsite		
12:25 - 13:40	Lunch				
Advanced de	terministic PTS analysis procedures	Chair: Ralf Tiete			
13:40 - 14:25	Structural and fracture mechanics benchmarks	Sebastien Blasset	Onsite		
14:25 – 14:55	Assessment of LTO improvements & Thermo-hydraulic uncertainties	Miroslav Posta	Onsite		
Advanced pr	obabilistic PTS analysis procedures	Chair: Peter Dillstr	öm		
14:55 – 15:40	Basic probabilistic fracture mechanics benchmark	Petter Von Unge	Onsite		
15:40 - 15:55	Coffee break				
15:55 – 16:20	Probabilistic fracture mechanics benchmark related to LTO improvements	Katharina Angermeier	Onsite		
16:20 - 16:45	Probabilistic fracture mechanics benchmark related to TH uncertainties	Katharina Angermeier	Onsite		
16:45 - 17:30	Probabilistic margin assessment	Klaus Heckmann	Online		
	End of the session				
19:30-21:30	Dinner				



Final seminar agenda

APAL FINAL SEMINAR DAY 2					
Date 18 <sup>th</sup> September					
Time	Торіс	Person in charge	Mode		
Best practice	e for advanced PTS analysis I	Chair: Szabolcs Száv	/ai		
9:30 - 9:40	Introduction to APAL Best practice guidance	Judit Dudra	Onsite		
9:40 – 9:55	Overview of PTS assessment	Carlos Cueto-F.	Online		
9:55 – 10:15	Selection of events leading to PTS	Vladislav Pištora	Onsite		
10:15 - 11:00	Thermo-hydraulic analyses	Pavel Kral	Onsite		
11:00 - 11:15	Coffee break				
11:15 - 11:45	Temperature and stress field calculations	Ralf Tiete	Onsite		
11:45 – 12:30	Deterministic fracture-mechanics assessment for PTS analysis	Ralf Tiete	Onsite		
12:30 - 13:45	Lunch				
Best practice	for advanced PTS analysis II	Chair: Szabolcs Száv	/ai		
13:45 – 14:45	Probabilistic PTS analyses and uncertainties I	Andrey Shipsha	Onsite		
14:45 - 15:00	Coffee break				
15:00 – 15:55	Probabilistic PTS analyses and uncertainties II	Andrey Shipsha	Onsite		
	End of the session				
Visit to PWR	simulator & crisis technical center	Chair: Jerome Roy			
16:00 - 17:00	Visit to PWR simulator & crisis technical center	IRSN personel	Onsite		



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