

Workshop «Advanced procedures for the integrity assessment of RPVs subjected to PTS loading»

Hotel City
Ljubljana, Slovenia
11 – 12 May 2023

AGENDA

APAL WORKSHOP DAY 1

Date 11th May

Time	Topic	Person in charge	Mode
8:45 – 9:15	Welcome and registration		
9:15 – 9:30	Opening, welcome speech and APAL project updates	Vladislav Pištora / Leon Cizelj	Onsite
9:30 – 10:00	PTS analyses overview	Vladislav Pištora	Onsite
Advanced thermal-hydraulics analysis procedures		Chair: Pavel Král	(UJV)
10:00 – 10:45	Classical methods and new trends in TH analysis for PTS evaluation	Pavel Král	Onsite
10:45 – 11:00	Coffee break		
11:00 – 11:45	Quantification of impact of LTO improvements and human factor on TH analysis boundary conditions - Example results from Task 2.1	Markku Puustinen	Onsite
11:45 – 12:30	Mixing codes (GRS-MIX, KWU-MIX)	Richard Trewin	Online
12:30 – 13:30	Lunch		
13:30 – 14:15	Theory behind TH uncertainty quantification	Richard Trewin	Online
14:15 – 15:00	APAL TH results (Base case, LTO, uncertainty quantification)	Ivor Clifford	Onsite
15:00 - 15:15	Coffee break		
Advanced PTS analysis procedures I		Chair: Ralf Tiete	(FRAG)
15:15 – 16:00	Specific modeling issues for PTS structural assessment as a support to fracture mechanics simulations	Szabolcs Szávai	Onsite
16:00 - 16:45	Structural assessment - Results from Task 3.1	Bernadett Spisák	Onsite
16:45 – 17:15	Deterministic fracture mechanics	Ralf Tiete	Online
End of the session			
19:30 - 21:30	Dinner		

APAL WORKSHOP DAY 2
Date 12th May

Time	Topic	Person in charge	
Advanced PTS analysis procedures II		Chair: Ralf Tiete (FRA-G)	
9:15 – 9:45	First fracture mechanics benchmark performance - Results from Task 3.3	Katharina Angermeier	Onsite
Advanced thermalhydraulics analysis procedures II		Chair: Pavel Král (UJV)	
9:45 - 10:30	CFD simulations for PTS analysis	Ladislav Vyskočil	Online
10:30 – 10:45	Coffee break		
Advanced PTS analysis procedures III		Chair: Peter Dillström (KIWA)	
10:45 - 11:30	From DEFI PROSAFE to APAL benchmark	Sebastien Blasset	Online
11:30 - 12:15	Fracture mechanical assessment of thermal-hydraulic uncertainties	Klaus Heckmann	Online
12:15 – 13:15	Lunch		
13:15 - 14:00	Fracture properties – Brittle and ductile material issues in the integrity assessment.	Hieronimus Hein	Online
14:00 – 14:45	PFM analysis approaches	Peter Dillström	Online
14:45 - 15:00	Coffee break		
15:00 - 15:45	WPS consideration in PTS analysis	Maksym Zarazovskii & Yaroslav Dubyk	Onsite
15:45 – 16:30	Advanced considerations in PTS analysis	Paul Williams & Richard Bass	Online
End of the session			



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