

**APAL Final seminar:
Advanced deterministic and
probabilistic integrity
analyses of RPVs subjected to
PTS Loading - Lessons learned
from APAL**



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome & Registration

Tuesday, September 17, 2024 9:00 AM (15 minutes)

Presenter: ROY, Jerome

Session Classification: Opening and registration

Contribution ID: 2

Type: **not specified**

Overview on the state-of-the-art in PTS

Tuesday, September 17, 2024 9:45 AM (20 minutes)

Presenter: CUETO-FELGUEROSO, Carlos

Session Classification: State-of-the-art for PTS

Contribution ID: 3

Type: **not specified**

Warm pre-stress (WPS) in PTS

Tuesday, September 17, 2024 10:05 AM (20 minutes)

Presenter: ZARAZOVSKII, Maksym

Session Classification: State-of-the-art for PTS

Contribution ID: 4

Type: **not specified**

Residual stresses relevant to PTS

Tuesday, September 17, 2024 10:25 AM (20 minutes)

Presenter: SZABOLCS, Szavai

Session Classification: State-of-the-art for PTS

Contribution ID: 5

Type: **not specified**

Introduction to Thermo-Hydraulics

Tuesday, September 17, 2024 11:00 AM (40 minutes)

Presenter: KRAL, Pavel

Session Classification: Advanced thermal-hydraulics analysis procedures

Contribution ID: 6

Type: **not specified**

Opening and APAL project overview

Tuesday, September 17, 2024 9:30 AM (15 minutes)

Presenter: PIŠTORA, Vladislav (UJV Řež, a. s.)

Session Classification: Opening and registration

Contribution ID: 7

Type: **not specified**

Uncertainties and BEPU analysis

Tuesday, September 17, 2024 11:40 AM (45 minutes)

Presenter: CLIFFORD, Ivor

Session Classification: Advanced thermal-hydraulics analysis procedures

Contribution ID: 8

Type: **not specified**

Structural and fracture mechanics benchmark

Tuesday, September 17, 2024 1:40 PM (45 minutes)

Presenter: BLASSET, Sebastien

Session Classification: Advanced deterministic PTS analysis procedures

Contribution ID: 9

Type: **not specified**

Assessment of LTO improvements & Thermo-hydraulic uncertainties

Tuesday, September 17, 2024 2:25 PM (30 minutes)

Presenter: POSTA, Miroslav (UJV)

Session Classification: Advanced deterministic PTS analysis procedures

Contribution ID: 10

Type: **not specified**

Basic probabilistic fracture mechanics benchmark

Tuesday, September 17, 2024 2:55 PM (45 minutes)

Presenter: VON UNGE, Petter

Session Classification: Advanced probabilistic PTS analysis procedures I

Contribution ID: 11

Type: **not specified**

Probabilistic fracture mechanics benchmark related to LTO improvements

Tuesday, September 17, 2024 3:55 PM (25 minutes)

Presenter: ANGERMEIER, Katharina

Session Classification: Advanced probabilistic PTS analysis procedures II

Contribution ID: 12

Type: **not specified**

Probabilistic fracture mechanics benchmark related to TH uncertainties

Tuesday, September 17, 2024 4:20 PM (25 minutes)

Presenter: ANGERMEIER, Katharina

Session Classification: Advanced probabilistic PTS analysis procedures II

Contribution ID: 13

Type: **not specified**

Probabilistic margin assessment

Tuesday, September 17, 2024 4:45 PM (45 minutes)

Presenter: HECKMANN, Klaus

Session Classification: Advanced probabilistic PTS analysis procedures II

Contribution ID: 14

Type: **not specified**

Introduction to APAL Best practice guidance

Wednesday, September 18, 2024 9:30 AM (10 minutes)

Presenter: DUDRA, Judit

Session Classification: Best practice for advanced PTS analysis I

Contribution ID: 15

Type: **not specified**

Overview of PTS assessment

Wednesday, September 18, 2024 9:40 AM (15 minutes)

Presenter: CUETO-FELGUEROSO, Carlos

Session Classification: Best practice for advanced PTS analysis I

Contribution ID: 16

Type: **not specified**

Selection of events leading to PTS

Wednesday, September 18, 2024 9:55 AM (20 minutes)

Presenter: PISTORA, Vladislav (UJV)

Session Classification: Best practice for advanced PTS analysis I

Contribution ID: 17

Type: **not specified**

Thermo-hydraulic analyses

Wednesday, September 18, 2024 10:15 AM (45 minutes)

Presenter: KRAL, Pavel

Session Classification: Best practice for advanced PTS analysis I

Contribution ID: **18**

Type: **not specified**

Temperature and stress field calculations

Wednesday, September 18, 2024 11:15 AM (30 minutes)

Presenter: TIETE, Ralf

Session Classification: Best practice for advanced PTS analysis II

Contribution ID: 19

Type: **not specified**

Deterministic fracture-mechanics assessment for PTS analysis

Wednesday, September 18, 2024 11:45 AM (45 minutes)

Presenter: TIETE, Ralf

Session Classification: Best practice for advanced PTS analysis II

Contribution ID: 20

Type: **not specified**

Probabilistic PTS analyses and uncertainties I

Wednesday, September 18, 2024 1:45 PM (1 hour)

Presenter: SHIPSHA, Andrey

Session Classification: Best practice for advanced PTS analysis III

Contribution ID: 21

Type: **not specified**

Probabilistic PTS analyses and uncertainties II

Wednesday, September 18, 2024 3:00 PM (55 minutes)

Presenter: SHIPSHA, Andrey

Session Classification: Best practice for advanced PTS analysis IV

Contribution ID: 22

Type: **not specified**

Welcome to IRSN

Tuesday, September 17, 2024 9:15 AM (15 minutes)

Presenter: GIORDANO, Patrice

Session Classification: Opening and registration