

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



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Opening and APAL project updates

*Thursday 11 May 2023 09:15 (15 minutes)*

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

**Session Classification:** Opening

Contribution ID: 2

Type: **not specified**

## PTS analyses overview

*Thursday 11 May 2023 09:30 (30 minutes)*

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

**Session Classification:** Opening

Contribution ID: 3

Type: **not specified**

## **Classical methods [system codes] and operator intervention modelling**

*Thursday 11 May 2023 10:00 (45 minutes)*

**Presenter:** KRÁL, Pavel

**Session Classification:** Advanced thermal-hydraulics analysis procedures

Contribution ID: 4

Type: **not specified**

## **Quantification of impact of LTO improvements and human factor on TH analysis boundary conditions - Example results from Task 2.1**

*Thursday 11 May 2023 11:00 (45 minutes)*

**Presenter:** PUUSTINEN, Markku (LUT)

**Session Classification:** Advanced thermal-hydraulics analysis procedures

Contribution ID: 5

Type: **not specified**

## **Mixing codes (GRS-MIX, KWU-MIX)**

*Thursday 11 May 2023 11:45 (45 minutes)*

**Presenter:** Dr TREWIN, Richard (Framatome GmbH)

**Session Classification:** Advanced thermal-hydraulics analysis procedures

Contribution ID: 6

Type: **not specified**

## CFD simulations for PTS analysis

*Friday 12 May 2023 09:45 (45 minutes)*

**Presenter:** VYSKOČIL, Ladislav

**Session Classification:** Advanced PTS analysis procedures II

Contribution ID: 7

Type: **not specified**

## Theory behind TH uncertainty quantification

*Thursday 11 May 2023 13:30 (45 minutes)*

**Presenter:** Dr TREWIN, Richard (Framatome GmbH)

**Session Classification:** Advanced thermal-hydraulics analysis procedures



Contribution ID: 8

Type: **not specified**

## **APAL TH results (Base case, LTO, uncertainty quantification)**

*Thursday 11 May 2023 14:15 (45 minutes)*

**Presenter:** CLIFFORD, Ivor David (PSI - Paul Scherrer Institut)

**Session Classification:** Advanced thermal-hydraulics analysis procedures

Contribution ID: 9

Type: **not specified**

## **Specific modeling issues for PTS structural assessment as a support to fracture mechanics simulations**

*Thursday 11 May 2023 15:15 (45 minutes)*

**Presenter:** SZÁVAI, Szabolcs (Head of Department)

**Session Classification:** Advanced PTS analysis procedures I

Contribution ID: **10**

Type: **not specified**

## **Structural assessment - Results from Task 3.1**

*Thursday 11 May 2023 16:00 (30 minutes)*

**Presenter:** SPISÁK, Bernadett

**Session Classification:** Advanced PTS analysis procedures I

Contribution ID: 11

Type: **not specified**

## **Deterministic fracture mechanics**

*Thursday 11 May 2023 16:30 (45 minutes)*

**Presenter:** TIETE, Ralf

**Session Classification:** Advanced PTS analysis procedures I

Contribution ID: 12

Type: **not specified**

## **First fracture mechanics benchmark performance - Results from Task 3.3**

*Friday 12 May 2023 09:15 (30 minutes)*

**Presenter:** ANGERMEIER, Katharina (Framatome)

**Session Classification:** Advanced PTS analysis procedures II

Contribution ID: 13

Type: **not specified**

## From DEFI PROSAFE to APAL benchmark

*Friday 12 May 2023 10:45 (45 minutes)*

**Presenter:** BLASSET, sebastien (Framatom GmbH)

**Session Classification:** Advanced PTS analysis procedures III

Contribution ID: 14

Type: **not specified**

## **Fracture mechanical assessment of thermal-hydraulic uncertainties**

*Friday 12 May 2023 11:30 (45 minutes)*

**Presenter:** HECKMANN, Klaus (GRS global research for safety)

**Session Classification:** Advanced PTS analysis procedures III

Contribution ID: 15

Type: **not specified**

## **Fracture properties –Brittle and ductile material issues in the integrity assessment**

*Friday 12 May 2023 13:15 (45 minutes)*

**Presenter:** HEIN, Hieronymus

**Session Classification:** Advanced PTS analysis procedures III



Contribution ID: 16

Type: **not specified**

## PFM analysis approaches

*Friday 12 May 2023 14:00 (45 minutes)*

**Presenter:** DILLSTRÖM, Peter

**Session Classification:** Advanced PTS analysis procedures III

Contribution ID: 17

Type: **not specified**

## **WPS consideration in PTS analysis**

*Friday 12 May 2023 15:00 (45 minutes)*

**Presenter:** ZARAZOVSKII, Maksym (IPP-CENTRE)

**Session Classification:** Advanced PTS analysis procedures III

Contribution ID: **18**

Type: **not specified**

## **Advanced considerations in PTS analysis**

*Friday 12 May 2023 15:45 (45 minutes)*

**Presenter:** WILLIAMS, Paul (Oakridge Consulting International)

**Session Classification:** Advanced PTS analysis procedures III