

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



**Thursday, May 11, 2023 - Friday, May 12, 2023**

**Hotel City - Ljubljana, Slovenia**

## **Scientific Program**

**Day 1**

Welcome and registration

Session: Advanced thermal-hydraulics analysis procedures

Topics include

Mixing codes [GRS-MIX, KWU-MIX]

CFD simulations for PTS analysis

Wilks method

APAL TH results

Session: Advanced deterministic PTS analysis procedures

Topics include

1D/2D/3D FEM structural assessment

Plume effect

Deterministic fracture mechanics

Conventional FEM, XFEM, submodeling technique

**Day 2**

Session: Advanced probabilistic PTS analysis procedures

Topics include

FORM/SORM

FAVOR approach with distributed KIC

WPS consideration in PTS analysis

Advanced considerations in PTS analysis

**NOTE:** The detailed agenda of the workshop will be available soon