



# Mechanical

## THURSDAY'S SESSIONS

**4.00–6.00 PM**

4.00–5.00 PM

**László Iván**

SVS FEM

**“Overview of what's new in Ansys 2024 R2”** CZECH

Ansys Structures 2024 R2 introduces new features that improve workflows and provide benefits to users. It offers powerful solvers on a single platform with seamless integration with other tools. These innovations streamline engineering processes and optimize the entire product life cycle.

5.00–5.30 PM

**Vojtěch Smolík**

Czech Technical University in Prague

**“Ansys Mechanical in Nuclear Fusion Research – Wendelstein Fusion Reactor”** CZECH

Thermal-structural analysis of a fusion reactor wall loaded with large heat flux.

5.30–6.00 PM

**Jiří Vepřek**

Grincell Design

**„Development of growth cells using FEM simulations“** CZECH

The growing cell is a “modular greenhouse” product under development with an (economical) integrated irrigation system and rainwater collection tank.

**8.00–12.00 PM**

**Social evening**

## FRIDAY'S WORKSHOPS

**9.00 AM – 1.15 PM**

NEW! REPEATED WORKSHOPS

9.00–9.30 AM

**Martin Černák & Kai Messer**

SVS FEM & Ansys Germany

**“Ansys Granta”** CZECH

Sample of application when looking for alternative materials to spruce wood.

9.30–11.00 AM

**László Iván**

SVS FEM

**1 “Modeling of bolted joints and welds in practice”** CZECH

Modeling of mechanical connections, which are key to the integrity and reliability of structures. Analysis of bolted joints and welds, including methodical approaches to model creation and evaluation of results, comparison of different approaches and possibilities of automation of these processes.

11.00–11.15 AM



11.15–11.45 AM

**Gabriel Cabaj**

X-Sight

**“X-Sight Alpha DIC optical deformation measurements in practice”** CZECH

Practical demonstration of work in X-Sight Alpha DIC software and expert discussion.

REPEATED WORKSHOP:

11.45–1.15 PM

**László Iván**

REP.1 “Modeling of bolted joints and welds in practice” CZECH

1.15 PM



**SVS FEM**

**31 Ansys  
KONFERENCE**  
2.-4. 10. 2024

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