

WEDNESDAY

1.00-3.30 PM Registration (2.30-3.30 PM Coffee break)
4.00-6.30 PM Josefov fortress
7.00-11.00 PM Brewery Beránek

THURSDAY'S SESSIONS

9-12 AM

1 Scott Parent 9.20-10.00 AM

VP & Field CTO - Energy, Industrials, Aerospace | Ansys
"Simulation and digital engineering are accelerating our path to sustainability" ENGLISH

Sustainability in the energy sector, is it an obstacle or a challenge? How numerical simulations can help in the era of digitalization of development and operation of energy facilities.

2 Kevin Cremanns & Erke Wang 10.00-10.40 AM

Co-Founder & Chief Research and Development Officer | PI Probaligence & CTO | CADFEM Germany
"Empowering digital engineering" ENGLISH

Using AI as the next step in the application of numerical simulation models. Samples from the field of structural, fluid and electromagnetic simulations.

3 Jiri Drozda 11.00-11.30 AM

Principal Application Engineer EMEA | Ansys Germany
"Faster Product Development with Ansys optiSLang AI+" ENGLISH

Possibilities of AI optimization in optiSLang and news from the field of AI in other types of products, which enable Ansys to accelerate the introduction of products to the market and thereby gain a significant competitive advantage.

Erol Bicer 11.30-12.00 AM

Manager - Nuclear Engineering Group | FNC Technology Korea

"AI-Driven Innovations in Nuclear Engineering" ENGLISH
We will introduce pioneering AI initiatives that help improve nuclear engineering. We will show you how AI processes can solve the problems of the nuclear industry simply by enabling predictive modeling, real-time data analysis, innovation in the design, operation and maintenance of reactors.

5 Kai Messer 12.00-12.30 PM

Ansys

"Granta + Minerva" ENGLISH

SW for material data management within the entire company, which allows to store, control and analyze data and thus creates a "golden source" of material properties. Ansys Minerva is an enterprise-grade SPDM solution that secures critical simulation data. Minerva provides simulation process and decision support in both on-premise and cloud deployment ecosystems.

6 1.20-3.40 PM

Awarding of the SVS FEM 2024 Student Competition 1.40-2.00 PM

Radek Škoda 2.00-2.20 PM

Czech Technical University in Prague
"District heating applications" CZECH

8 Luboš Kolář 2.20-2.50 PM

HPE

"Optimized HW platforms for CAE calculations - an overview of news and trends" CZECH

What has happened in the last year and what awaits us in the horizon of the next year? What new graphics accelerators are or will soon be available on the market and what will the new generation of CPU bring? The goal of the presentation is to present news and trends important for building a platform optimized for CAE simulations.

AGENDA

9 Michal Vajdák & Gabriel Cabaj 2.50-3.00 PM

X-Sight

"X-Sight DIC digital image correlation tools for optical deformation measurements" CZECH

Overview of the possibilities of using optical deformation measurement in engineering development and research. Control of the experiment and measurements in the testing of components and material samples. X-Sight/SVS software and products for deformation analysis and form of interaction with Ansys.

10 Zdeněk Čada 3.00-3.30 PM

SVS FEM

"SVS FEM Apps" CZECH

News in SVS FEM application development: we specialize in desktop and web application development and extensions for Ansys. Our key products include, for example, GDT Inside Ansys, GDT4FEM, X-Sight and others.

11 Ondřej Tichý 3.30-3.40 PM

Orbit

"Regulation according to NIS2 and its effects" CZECH

Gocar's Hall

4-6 PM MECHANICAL

László Iván 4.00-5.00 PM

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.

Vojtěch Smolík 5.00-5.30 PM

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.

Jiří Vepřek 5.30-6.00 PM

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.

Hall Panorama II

4-6 PM FLUIDS

Jiří Vondál 4.00-4.30 PM

SVS FEM

"Safety of equipment in energy and manufacturing plants" CZECH

Are you interested in simulations that can be used to ensure the safety of operating equipment? In applications with fluid flow, there are a number of risks associated with their operation, which can be predicted in advance and adequate measures prepared, whether it is the occurrence of water hammer, the risk of gas explosion, or critical applications for heat transfer.

Rostislav Chotěborský 4.30-4.50 PM

Czech University of Life Sciences Prague

"DEM in agri-food simulations" CZECH

The use of discrete element modeling in the field of agri-food technologies focused on modeling not only soil processing units, but also technology using field robots. Selected issues from post-harvest technologies and their simulation using DEM-SPH.

Tomáš Krátký 4.50-5.10 PM

Hydraulic Research Centre

"Hydraulic surfaces with functional structures" CZECH

Radim Burda 5.10-5.30 PM

SVS FEM

"Parametric flow simulations in Ansys Discovery" CZECH

Jiří Vondál 5.30-6.00 PM

SVS FEM

"Simulation of material flow in a lime furnace" CZECH

Hall Panorama I

4-6 PM ELECTRONICS

Petr Svoboda 4.00-5.00 PM

"What is better - radars, passive systems or hardening?" CZECH

A unique meeting with a direct participant and witness to the development of the famous Czechoslovak passive radars.

Tibor Bachorec 5.00-5.20 PM

SVS FEM

"Electromagnetic compatibility using numerical simulations" CZECH

Are you solving problems with the electromagnetic compatibility of your products? You don't just have to try endlessly, you can simulate it in advance with virtual numerical models.

Tomáš Kašpar 5.20-5.40 PM

SVS FEM

"Waveguide set from a 3D printer" CZECH

Do you need to measure the physical properties of materials at high frequencies? Get inspired by the 3D printing of a suitable waveguide measurement set and a verified calculation model for determining the complex permittivity of a material based on the principle of the reflection and transmission factor measurement method.

Július Saitz 5.40-6.00 PM

Ansys

"Motor-CAD Thermal export to Twin Builder" CZECH

Do you need to tune, optimize, in short, work in more detail with the parameters of the temperature model for electric motors? Take advantage of the new options for importing the temperature model from the Motor-CAD Thermal program into the Twin Builder environment.

FRIDAY'S WORKSHOPS

Friday morning is traditionally dedicated to practical demonstrations of specific applications of Ansys products.

SVS FEM

31 Ansys KONFERENCE
2.-4. 10. 2024

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