Program

PERMAS Users' Conference Tübingen 2026

As of March 20, 2026

Thursday, April 23, 2026

08:30 Registration

09:15 Welcome

09:30 **PERMAS Solver: A Key Player in Considering Uncertainties in Electric Drive Simulations**
K. Drazdil, J. Otta, ZF Friedrichshafen AG
Dynamic Contact: Launch Vehicle Liftoff Simulation
N. Marczak, ArianeGroup Les Mureaux, France
Rolling Burnishing Simulation with PERMAS using NLS & CAU
J. Van Delden, MAHLE Stuttgart

10:45 Coffee break

11:15 **PERMAS V21, Summary and Overview**
S. Hüeber, INTES GmbH

12:15 Lunch

13:50 **Using PERMAS for Modal Analyses of High-pressure Turbine Blades Made of a Single-crystal Nickel-based Superalloy**
D. Goerke, A. Pahs, C. Reiber, C. Berthold, DLR Stuttgart
Model Order Reduction Using the Interface Impedance Method for Vibration Applications
P. Faivre D'Arcier, J.-M. Sanchez, NAVAL GROUP, Cherbourg, France, N. Rannou, INTES France
Level Up the Game: Precision Design of Power Window Systems
A. Yao, Numeritec Inc., Shanghai, China
Contact in Dynamics
T. Willerding, INTES GmbH

15:30 Coffee break

16:00 **Bead Optimization Revised**
C. Wulf, INTES GmbH
Post-Buckling Analysis and Sizing of a Space Structure: A Case Study
Q. Jacob, G. Ibrahim, LATITUDE, Reims, France
Nonlinear Analysis Applications
F. Hüter, INTES GmbH

17:15 Visit of Tübingen, Old Town

18:45 Social Event

Friday, April 24, 2026

09:30 **Efficient Contact Modeling**
J. Currle, INTES GmbH
Machine Layout with PERMAS and Meshparts
A. Dadalau, Meshparts GmbH
Direct Time-History Fluid-Structure Simulations for Underwater Radiated Noise in Submarine Applications
A. Balthazard, J.-M. Sanchez, NAVAL GROUP, Cherbourg, France, N. Rannou, L. Dastugue, INTES France.

10:45 Coffee break

11:15 **A Non-Standard FEA Framework for Multi-Load Test Scenarios: Application to an Automotive Fan System**
E. Czerlunczakiewicz, M. Majerczak, Valeo Thermal Systems
Coupled EM/NVH Simulation to Reduce Sound Radiation of an Air-Core Coil
N. Dauchez Université de technologie de Compiègne, Roberval, Compiègne, France, N. Rannou, J. Marchesini, INTES France,
Automated PERMAS Model Preparation and High-Fidelity Result Evaluation Using ANSA and META
K. Gourgounis, BETA CAE Systems SA, Thessaloniki Greece

12:30 Lunch

14:00 **Contact Force/Lock for Simulating Mechanical Seafastening or "Jacking" of Jack-up Legs, combined with NLTIME.**
A. Vorren, Semar AS
Robust Design Analysis of Gas-Turbine Rotordynamics using PERMAS and modeFRONTIER
S. Sharma, T. Glößlein ESTECO Software GmbH, N. Wagner INTES GmbH
Resolving Mesh-dependency on Contact and Non-smooth Finite Element Analyses
Z. Jia, P. Sonnweber-Ribic, A. Dyck, Robert Bosch, Renningen, S. Münstermann, Inst. f. bildsame Formgebung, Aachen

15:15 Tombola, Final remarks

15:30 Farewell-Coffee and

16:00 End of Conference

Exhibitors

meshparts
einfach - präzise - simulieren

FEMFAT Software
Finite Element Method Fatigue

B E T A
SIMULATION SOLUTIONS

ESTECO

INTES France

INTES