

Programm Program

Stand 05.04.2012 / As of Apr. 5, 2012

Donnerstag, 26. April 2012 / Thursday, April 26, 2012

- 08:45 Anmeldung / *Registration*
- 09:30 Begrüßung / *Welcome*
- 09:45 **FEA simulation of BEHR battery cooling devices**
H. Schroth, Behr GmbH & Co. KG
- Generalized dynamic condensation for launcher applications**
J.-F. Durand, K. Ma, Astrium-ST, J. Marchesini, INTES France
- Application of PERMAS in virtual brake development**
S. Carvajal, Dr. Ing. h.c. F. Porsche AG
- 11:00 Kaffeepause / *Coffee break*
- 11:30 **News from PERMAS Version 14**
R. Fischer, INTES GmbH
- 12:30 Mittagessen / *Lunch*
- 14:15 **Overview on VisPER Version 3**
O. Sommer, INTES GmbH
- Contact geometry update**
S. Hieber, M. Ast, INTES GmbH
- 15:30 Kaffeepause / *Coffee break*
- 16:00 **The PERMAS aided solutions towards a surveillance of high speed milling processes**
K. Kalinski, M. Galewski, M. Mazur, M. Chodnicki, Gdansk University of Technology
- FEA of a transverse leaf spring made of GFRP**
Th. Rupflin, ZF Friedrichshafen AG
- Development of a cockpit supporting frame from concept of design to start of production**
K. Bohnert, Dr. Ing. h.c. F. Porsche AG
- 17:30 Ende des ersten Tages / *End of first day*
- 19:00 Abendessen / *Diner*

Freitag, 27. April 2012 / Friday, April 27, 2012

- 09:00 **Non-linear analyses to investigate the sliding stability of two proposed concrete gravity section dams**
R. J. Minnaar, R. J. du Preez, Advanced Structural Mechanics (Pty) Ltd
- Structural analysis procedure of a nanosatellite**
M. Süer, E. Ümit, Simmecca
- The application of PERMAS for the design of turbo-machines**
D. Goerke, Th. Schmidt, F. Kocian, DLR Stuttgart, A.-L. Le Denmat, E. Nicke, DLR Köln
- 10:15 Kaffeepause / *Coffee break*
- 10:45 **Simulation methods for the sound radiation of gearboxes**
J. Neher, Hochschule Ulm/MAN Diesel & Turbo SE
B. Graf, Voith Hydro, B. Wender, Hochschule Ulm
- Vibration Analysis for Brake System Considering Contact Pressure**
K. Ashida, Nissin Kogyo Inc.
- Addressing complexity in pre- and post-processing for PERMAS applications using ANSA and mETA**
K. Gourgounis, BETA CAE Systems S.A.
- Complete optimization process on engine cooling module component**
B. Thomas, Ph. Gogé, Valeo Thermal Systems, N. Rannou, INTES France
- 12:30 Mittagessen / *Lunch*
- 14:00 **From CFD simulation to structural analysis: Improved boundary conditions with OpenFOAM**
M. El-Kamali, INTES France
- Optimizing stopper geometry in engine analysis**
R. Helfrich, M. Klein, I. Pflieger, INTES GmbH
- 15:00 Schlußwort / *Final remark*
- 15:15 Kaffee / *Coffee*
- 15:45 Ende der Konferenz / *End of conference*

Die PERMAS Anwenderkonferenz 2012 in Heidelberg wird veranstaltet von
The PERMAS Users' Conference 2012 in Heidelberg is organized by

INTES Ingenieurgesellschaft für
technische Software mbH

Schulze-Delitzsch-Str. 16
D-70565 Stuttgart

T +49-711-78499-0
F +49-711-78499-10

E info@intes.de
Web: <http://www.intes.de>