



# Programm Program

Stand 16.03.2018 / As of Mar. 16, 2018

## Donnerstag, 12. April 2018 / Thursday, April 12, 2018

- 08:30 Anmeldung / *Registration*
- 09:30 Begrüßung / *Welcome*
- 09:45 **Simulation of the mounting process of a metal clip - Non-linear material and contact update**  
R. Handel, J. van Delden, MAHLE GmbH
- Usage of contact update in gearbox calculation**  
K. Drazdil, ZF Friedrichshafen AG
- Dynamic simulation with non-linear damping devices**  
V. Le Gallo, Ariane Group; J. Marchesini, L. Dastugue, INTES France
- 11:00 Kaffeepause / *Coffee break*
- 11:30 **PERMAS Version 17**  
M. Ast, INTES GmbH
- 12:30 Mittagessen / *Lunch*
- 14:15 **VisPER Version 6**  
O. Sommer, INTES GmbH
- Making PERMAS model assembly effective using VisPER**  
M. Klein, O. Sommer, INTES GmbH
- 15:15 Kaffeepause / *Coffee break*
- 15:45 **Air intake module optimization from multi-physical analyses**  
L. Legot, M. Henner, N. François, VALEO Thermal Systems; J. Marchesini, L. Dastugue, INTES France
- Multidisciplinary optimization of aero-engine compressor and turbine components**  
T. Lengyel-Kampmann, DLR, Institute of Propulsion Technology
- Software-assisted design check for additive manufactured components**  
J. Tominski, St. Lammers, Paderborn University, Direct Manufacturing Research Center (DMRC)
- Topology optimization to maximize the dynamic input stiffness of a coach structure**  
N. Kuppaswamy, P. J. Eberle, G. Steinmetz, Daimler Buses; A. Schünemann, INTES GmbH
- 17:30 Ende des Vortragsprogramms / *End of presentations*
- 18:00 Abendveranstaltung / *Social event*

## Freitag, 13. April 2018 / Friday, April 13, 2018

- 09:00 **Fan design based on multi-parameters sampling process with PERMAS/VisPER**  
M. Henner, B. Demory, VALEO Thermal Systems; K. Gokpi, J. Marchesini, INTES France
- Efficient design creation and validation**  
R. Fischer, Chr. Wulf, TY. Wang, INTES GmbH
- Modal correlation of a brake caliper - boundary conditions optimization**  
Zd. Podzemný, Porsche Engineering Services; S. Carvajal, Porsche AG
- 10:15 Kaffeepause / *Coffee break*
- 10:45 **Simulation of contact between cam lobe and tube of assembled camshafts using module CAU**  
W. Krepulat, F. Mohr, MAHLE GmbH
- Design and validation of a piston pin in composite material**  
P. Spola, M. Morone, Altran
- Laminate optimization capabilities applied to a racing car monocoque**  
M. Kinscher, Porsche AG; Chr. Wulf, INTES GmbH
- Rake and drive-head design for a thickener used in the treatment of acid mine drainage: A case of displacements large and small**  
R. Minnaar, Advanced Structural Mechanics
- 12:30 Mittagessen / *Lunch*
- 14:15 **The PERMAS-DIGIMAT interface – Accurate structural analysis of reinforced plastic components**  
R. Handel, J. van Delden, T. Kaiser, MAHLE GmbH
- A study about solid rivet model considering shear resistance mechanism and pretension force**  
M. Shimozono, INTES Japan
- 15:15 Schlußwort / *Final remark*
- 15:20 Fairwell-Kaffee / *Fairwell Coffee*
- 16:00 Ende der Konferenz / *End of conference*