



Web Conference

As of June 19, 2020

Wednesday, May 6, 2020, 9:30: [Brake Squeal](#)

PERMAS V18, Intro & Revision of MPCs

M. Ast, INTES GmbH

Advances in Brake Squeal Analysis

M. Klein, INTES GmbH

Wednesday, May 13, 2020, 9:30: [Optimization](#)

Recent developments in PERMAS V18 for optimization

C. Wulf, INTES GmbH

Topology optimization of eDrive gear housings under static and dynamic loads

R. Schirmacher, Robert Bosch GmbH

Validation of design guidelines and their digitalization for additive manufacturing

S. Lammers, University of Paderborn

Wednesday, May 27, 2020, 9:30: [Nonlinear Analysis](#)

New PERMAS V18 nonlinear analysis capabilities

Z. Jia, INTES GmbH

Large-Strain Hyperelasticity with Application to Rubber Mounts

T. Heidlauf, hofer-pdc GmbH, D. Weissert, INTES GmbH

Damage and high cycle fatigue predictions of fiber reinforced plastic components

R. Handel, MAHLE GmbH

Wednesday, June 17, 2020, 9:30: [Dynamics](#)

New dynamics capabilities of PERMAS V18

B. Kirchgäßner, INTES GmbH

FE simulations of liquid propellant sloshing in launcher tanks

Aurélien Senechal, Ariane Group, Les Mureaux, France

Payload Comfort : Numerical Validation of Rubber Mounts (PID) from product to system level

Jacques Marchesini, Laurent Dastugue, INTES France, Patrick Camarasa, Airbus DS

Wednesday, June 24, 2020, 9:30: [V18 Highlights](#)

PERMAS and VisPER Version 18

M. Ast, O. Sommer, INTES GmbH

Next Generation Contact Analysis

D. Diehl, S. Hieber, INTES GmbH,

J. Becker, T. Conze, Porsche AG

Wednesday, July 1, 2020, 9:30: [PERMAS4EDU](#)

Presentation of PERMAS for Education

N. Wagner, M. Klein, INTES GmbH

Wednesday, July 8, 2020, 9:30: [Design by Simulation](#)

First experiences with PERMAS topology optimization for additive manufacturing

S. Flügel, D. Schilder, EDAG Engineering GmbH

Design by Simulation Workflow Demonstration

C. Wulf, INTES GmbH

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