

Program

Innsbruck, June 2, 2016



09:00 – 09:30 Registration

09:30 – 09:45 Welcome

SESSION 1 – Markets & Products

09:45-10:15 **Structural design optimization under transient nonlinear mechanical behavior: Optimal structure topology for automotive crashworthiness**
E. Wehrle (TU Munich)

10:20-10:50 **Finer-scale characterization and modeling at UIBK – Application to optimization of FRC components**
R. Lackner (University of Innsbruck)

10:55-11:25 **Material model for thermomechanically loaded components of rocket engines**
T. Seifert (HS Offenburg)

11:30-12:00 **3D printed load introduction elements for CFRP structures**
D. Grebner (Peak Technology GmbH, Holzhausen)

12:00-13:30 **Lunch Break**

SESSION 2 – Optimization & Robustness

13:30-13:50 **Bionic Optimization**
D. Fleischhacker (SinusPro GmbH, Graz)

13:55-14:15 **soLITE as a lightweight machine element for hoisting applications**
*F. Lukasch (Liebherr-Components Biberach GmbH),
B. Ernst (Teufelberger GmbH, Wels)*

14:20-14:40 **Parameter Identification under consideration of uncertainties**
B. Goller (INTALES GmbH)

14:45-15:05 **Dynamic Methods for Stochastic Parameter Identification**
M. Schwarz (University of Innsbruck)

15:10-15:30 **Assessment of a static test model using Kriging and Sensitivity Analysis**
M. Köchl (University of Innsbruck)

15:30-16:00 **Coffee Break**

SESSION 3 – Analysis tool

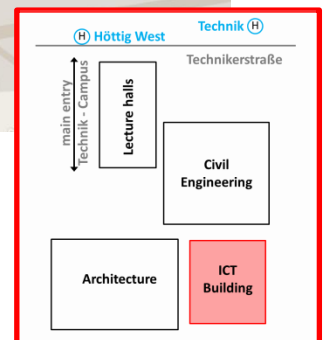
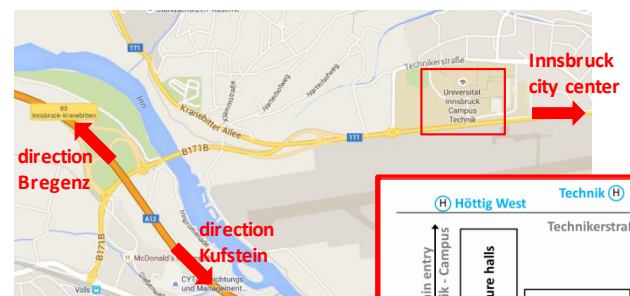
16:00-16:20 **Robust data handling in an industrial setting**
V. De Groof (INTALES GmbH)

16:25-16:45 **Investigation of wrinkling and post-wrinkling using a new sandwich shell element**
M. Schmeetz (INTALES GmbH)

16:50-17:15 **Summary & Discussion**

VENUE

The workshop will be held in the ICT building of the University of Innsbruck. The “Technik-Campus” is located at the west side of the city.



Arrival:

By car: Highway A12, exit Innsbruck-Kranebitten

By public transport: Train until Innsbruck main station, then change to the bus line “O” (direction Peerhofsiedlung, Allerheiligen or Technik West)

CONTACT

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