

WORKSHOP

Virtual Development in Passive Safety & Human Models for Future Mobility



September 21, 2022 – Ingolstadt, THI G-105

09:00

Registration & Technical Check - G 105

09:30

Welcome by Local Host

09:35

Key-Note I

PROF. DR. Klaus Böhm (Munich University of Applied Sciences)

Extraction and utilization of (system-) camera- and sensor (fusions)-data for the accident-reconstruction

10:00

Key-Note II

ING. Petr Pavlata (Vision Consulting Automotive)

Virtual approach for evaluation vehicles and their components according to international standards

10:25

Coffee-break

10:40

Block I of Scientific Presentations

Magdalena Jansová

Biomechanical model of pregnant female for impact purposes

Jan Vychytil

Virtual tool for reconstruction of low-velocity pedestrian accidents

Abbas Talimian

Occupants' safety with different seatbelts in an autonomous vehicle and non-standard seating configurations

Sandra Kaňáková

Menger sponge as an energy absorbing component of PPE

12:00

Panel Discussion on Block I

12:30

Lunch-break

13:30

Block II of Scientific Presentations

Luděk Hynčik

Fast injury assessment in non-standard seating configurations using artificial intelligence

Gerald Joy Sequeira

Insights into the Crash Severity and Restraint Strategy Prediction using Machine Learning Methods

Shahabaz Afraj

Crash test program optimization for validation of crash detection algorithm using big data

Franz Plaschkies

Concepts for Fast Assessment of Occupant Safety Based on Effectively Generated Data

14:50

Panel Discussion on Block II

15:30

Visit to CARISSMA Facility

