Workshop on Virtual Development in Passive Safety and Human Models for Future Mobility

When will the workshop take place?

24th of September

Where will the workshop take place?

You can join online. Please use the link below.

Meeting ID: 953 4890 9994
Passcode: 914997
Meeting Link: Zoom-Link

How will the presentations be?

The two keynote lectures are scheduled for ca. 20 min each.

The participant´s presentations should have a duration of 15 min.

There will be two blocks of presentations. At the end of each block, the panel discussion with authors will take place.

How does the Covid-19 situation affect the workshop?

Due to the increasing number of positive tests, most participants decided to attend online. Taking this into account, we agreed to hold the workshop only online.

We hope that the workshop in its purely online form will also fulfill its purpose of establishing contacts and exchange of ideas. We encourage in particular to use the panel discussions for this purpose.

What is the program?

9:00	**Registration & Technical Check**
9:30	**Welcome by Local Host** Prof. Dr.-Ing. Thomas Suchandt (Vice President THI)
9:35	**Key Note Lecture I** Assoc. Prof. Luděk Hynčík, Ph.D. (UWB) *Can virtual humans save real lives?*
10:00	**Key Note Lecture II** Prof. Dr. rer. biol. hum. Dipl.-Ing. Steffen Peldschus (LMU) *The importance of soft tissue modeling for analyzing future seating positions with FE-HBMs.*
10:25	**Break I**
10:40	**Block I of Scientific Presentations** Jan Špička (UWB) *Virthuman model for testing a new safety system nanobag.* Abbas Talimian, Ph.D. (UWB) *Autonomous vehicles with non-standard seating: Are they safe in oblique crashes?* Franz Plaschkies (THI) *Coverage of anthropometric variation in passive vehicle safety by combining FE-simulation and machine learning.* Shahabaz Afraj (THI) *Crash scenario prediction and validation methodologies for an effective passive safety system.*
12:00	**Panel Discussion on Block I**
12:30	**Lunch Break**
13:30	**Block II of Scientific Presentations** Sandra Kaňáková (UWB) *Motorcyclists' protectors - materials and testing.* Tomasz Bońkowski (UWB) *Reconstruction of a motorcycle accident with human body model-based parametric study.* Stanislav Špirk, Ph.D. (UWB) *Variant Multibody tram front-end model for pedestrian safety improvement.* Klaus Böhm (THI) *Multibody Simulation with PC Crash*
14:50	**Panel Discussion on Block II**
15:20	**Wrap Up**