

Workshop on Virtual Development in Passive Safety and Human Models for Future Mobility - 21.09.2021

9:00 Registration & Technical Check

9:30 Welcome by Local Host

Ing. Dita Hommerová, Ph.D., MBA (Vice-rector for Internationalization, UWB)

9:35 Key Note Lecture I

Prof. Dr. Ing. Axel Schumacher (Bergische Universität Wuppertal)

10:00 Key Note Lecture II

Prof. Ing. Jan Kovanda, CSC. (University of West Bohemia in Pilsen)

10:25 Coffee Break

10:40 Block I of Scientific Presentations (session chair Assoc.-Prof. Luděk Hynčík)

Abbas Talimian, Ph.D. (UWB)

Does Virthuman suggest non-standard seating for families in highly automated vehicles?

Franz Plaschkies (THI)

Status of the Assessment of the Influence of Human Body Diversity on Passive Safety Systems.

Shahabaz Afraj (THI)

Methodologies for crash reconstruction and data comparison.

Naveen Shirur (THI)

Depowered Adaptive Airbags.

12:00 Panel Discussion on Block I (moderation Assoc.-Prof. Luděk Hynčík)

12:30 Lunch Break

13:30 Block II of Scientific Presentations (session chair Prof. Ondřej Vaculín)

Jan Špička (UWB)

Testing and identification of the LLDPE material for impact applications.

Sandra Kaňáková (UWB)

Problematic of materials for personal protective equipment - ecology and 3D printing.

Jan Vychytil (UWB)

Development of innovative active head restraint system in a car using virtual tools.

Stanislav Špírk, Ph.D. (UWB)

Structure concept with the addition carbon fiber layers and filling forms for crashworthiness increase.

14:50 Panel Discussion on Block II (moderation Prof. Ondřej Vaculín)

15:20 Wrap Up