

67TH STAPP CAR CRASH CONFERENCE



Stapp Car Crash Conference
October 31 - November 2, 2023
Michigan Union
530 S State St, Ann Arbor, MI 48109

TENTATIVE PROGRAM

We are working to finalize the conference program. The below titles represent potential paper and short communication presentations.

- Standardized Assessment of Gravity Settling Human Body Models for Virtual Testing
 - Investigation of the THOR-AV 5F Biofidelity in Sled Test Conditions with A Semi-Rigid Seat
 - Driver Behavior during Left-Turn Maneuvers at Intersections
 - Evaluation of DAMAGE in Vehicle Frontal Crashes
 - ML-accelerated Simulations for the Design of Airbag Constrained by Obstacles at Rest
 - Comparison of Adult Female and Male PMHS Pelvis and Lumbar Response to Underbody Blast
 - Development of 'Relax Seat: Passenger Protection Airbag'
 - Comparison of Chinese and German in-depth accident data on example of VRU thorax and head injuries
- Protection Performance of Occupants with Omnidirectional Airbag
 - Numerical investigations on the factors affecting thorax injuries in vehicle vs pedestrian accidents
 - Calibration of Pedestrian Crash Simulations Using Field Data
 - Seated Posture of Occupants in Wheelchairs
 - Reconstructing Real-World Commotio cordis Cases for Heart Strain Analysis
 - Youth soccer head impact exposure does not have short-term effect on a manual cognitive-motor integration task
 - Development of proactive anti-whiplash system through a combined computational and experimental approach
- Response Comparison between the Hybrid III and THOR Small Female ATDs in Matched Frontal Sled Tests
 - Vehicle Crash Protection Priorities Based on an Analysis of the US Crash Investigation Sampling System (CISS)
 - Evaluation of the Thoracic Response of Male Post-Mortem Human Surrogates in the Rear Seat during Frontal Impacts
 - Low-Rate Ankle Stiffness in Human Volunteers
 - Sex-Based Differences in Calcaneal Fracture Tolerance under High-Rate Loading
 - Frontal-Crash Occupant Protection in the Rear Seat: Submarining and Abdomen/Pelvis Response in Midsized Male Surrogates