

HUMAN MODELING AND SIMULATION IN AUTOMOTIVE ENGINEERING

November 13 – 14, 2024
Marburg, Germany

EXHIBITION & SPONSORSHIP



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Your Contact:
Dr.-Ing. Dirk Ulrich
Tel. +49-6023-964066
dirk.ulrich@carhs.de





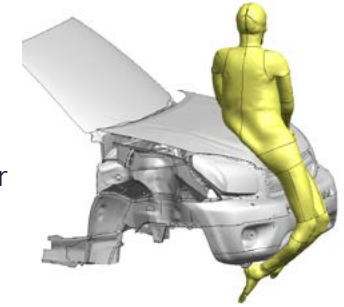
**HUMAN MODELING
AND SIMULATION**
IN AUTOMOTIVE ENGINEERING



Human Modeling and Simulation, Marburg, Germany, November 13 – 14, 2024

The application of numerical simulation incorporating digital human models offers exciting opportunities in automotive development. Applying human models in comfort, ergonomics and safety allows to overcome limitations imposed by the use of real humans or their mechanical surrogates and thus enables further optimization of automotive designs.

Autonomous vehicles will bring significant comfort benefits to passengers. However, safety cannot be compromised for alternative seating positions. Human Modeling and Simulation is currently the only technology that will allow assessment of occupant protection for new car interior architectures with flexible seat arrangements.



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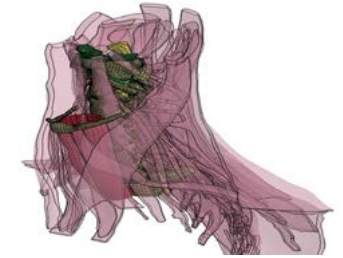
The symposium addresses engineers, researchers and managers involved in automotive or software development, who want to inform themselves about the status of virtual human models and their application in automotive development.

Topics

Comfort • Ergonomics • Safety • Active Models • Age Dependency • Biomechanics • Discomfort • Injury Prediction • Human Vision • Motion Simulation • Muscle Activation • Pedestrian Protection • Seating Comfort • and many more

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