

Stapp Car Crash Journal

VOLUME 60, NOVEMBER 2016

CONTENTS		Page
TECHNICAL PAPERS		
2016-01	Age-Specific Injury Risk Curves for Distributed, Anterior Thoracic Loading of Various Sizes of Adults Based on Sternal Deflections	1
	Harold J. Mertz, Priya Prasad, Dainius J. Dalmotas, Annette L. Irwin	
2016-02	The Effect of Rib Shape on Stiffness	11
	Sven A. Holcombe, Stewart C. Wang, and James B. Grotberg	
2016-03	Effect of Abdominal Loading Location on Liver Motion: Experimental Assessment using Ultrafast Ultrasound Imaging and Simulation with a Human Body Model	25
	Anicet Le Ruyet, Fabien Berthet, Frédéric Rongi�eras, Philippe Beillas	
2016-04	Biomechanical Responses of PMHS Subjected to Abdominal Seatbelt Loading	59
	Rakshit Ramachandra, Yun-Seok Kang, John H. Bolte IV, Alena Hagedorn, Rodney Herriott, Jason A. Stammen, Kevin Moorhouse	
2016-05	Investigation of Pelvic Injuries on Eighteen Post Mortem Human Subjects Submitted to Oblique Lateral Impacts	89
	Matthieu Lebarb�e, Pascal Baudrit, Pascal Potier, Philippe Petit, Xavier Trosseille, Sabine Compigne, Mitsutoshi Masuda, Takumi Fujii, Richard Douard	
2016-06	Responses and Injuries to PMHS in Side-Facing and Oblique Seats in Horizontal Longitudinal Sled Tests per FAA Emergency Landing Conditions	135
	John R. Humm, Narayan Yoganandan, Frank A. Pintar, Richard L. DeWeese, David M. Moorcroft, Amanda M. Taylor, Brian Peterson	
2016-07	Association of Impact Velocity with Risks of Serious Injuries and Fatalities to Pedestrians in Commercial Truck-Pedestrian Accidents	165
	Yasuhiro Matsui, Shoko Oikawa, Kazuhiro Sorimachi, Akira Imanishi, Takeshi Fujimura	
2016-08	Traffic Accidents Involving Cyclists Identifying Causal Factors Using Questionnaire Survey, Traffic Accident Data, and Real-World Observation	183
	Shoko Oikawa, Toshiya Hirose, Shigeru Aomura, Yasuhiro Matsui	
2016-09	Evaluation of WIAMan Technology Demonstrator Biofidelity Relative to Sub-Injurious PMHS Response in Simulated Under-body Blast Events	199
	Hollie A. Pietsch, Kelly E. Bosch, David R. Weyland, E. Meade Spratley, Kyvory A. Henderson, Robert S. Salzar, Terrance A. Smith, Brandon M. Sagara, Constantine K. Demetropoulos, Christopher J. Dooley, Andrew C. Merkle	
2016-10	Biomechanical Response of Military Booted and Unbooted Foot-Ankle-Tibia from Vertical Loading	247
	Frank A. Pintar, Michael B. Schlick, Narayan Yoganandan, Liming M. Voo, Andrew C. Merkle, Michael Kleinberger	
2016-11	Morphomics of the Talus	287
	David Gorman, Ebram Handy, Sikui Wang, Annette L. Irwin, Stewart Wang	

2016-12	New Risk Curves for NHTSA’s Brain Injury Criterion (BRIC): Derivations and Assessments	301
	Tony R. Laituri, Scott Henry, Kevin Pline, Guosong Li, Michael Frankstein, Para Weerappuli	
2016-13	Development of an Unbiased Validation Protocol to Assess the Biofidelity of Finite Element Head Models used in Prediction of Traumatic Brain Injury	363
	Chiara Giordano and Svein Kleiven	
2016-14	Development, Evaluation, and Sensitivity Analysis of Parametric Finite Element Whole-Body Human Models in Side Impacts	473
	Eunjoo Hwang, Jingwen Hu, Cong Chen, Katelyn F. Klein, Carl S. Miller, Matthew P. Reed, Jonathan D. Rupp, Jason J. Hallman	
2016-15	Development and Full Body Validation of a 5th Percentile Female Finite Element Model	509
	Matthew L. Davis, Bharath Koya, Jeremy M. Schap, F. Scott Gayzik	
2016-16	Thoracic Injury Risk Curves for Rib Deflections of the SID-IIs Build Level D	545
	Annette L. Irwin, Greg Crawford, David Gorman, Sikui Wang, Harold J. Mertz	
2016-17	The Large Omnidirectional Child (LODC) ATD: Biofidelity Comparison with the Hybrid III 10 Year Old	581
	Jason Stammen, Kevin Moorhouse, Brian Suntay, Michael Carlson, Yun-Seok Kang	
2016-18	Corrected, Republished, and Updated Biomechanical and Scaling Basis for Frontal and Side Impact Injury Assessment Reference Values	625
	Harold J. Mertz, Annette L. Irwin, and Priya Prasad	
	Call for Papers – Information to Contributors	659