

Sunday, Oct. 7, 2018

Student Symposium - 9:00 am - 5:45 pm

Sponsored by Nissan Motor Company

8:00AM	Registration Open - <i>Vista Pre-function</i>
8:00 AM - 9:00 AM	Continental Breakfast - <i>Vista Pre-function</i>
9:00AM - 9:10AM	Welcome Address - <i>Vista BD</i>
9:10AM - 10:10AM	Foundational Biomechanics and Estimation of Human Injury Risk Session Moderators: Andrew Kemper, Kerry Danelson
9:10AM - 9:25AM	Development of Skull Deformation Metrics for Use in Human Body Modeling <i>Derek Jones, BS, MS, Wake Forest University School of Medicine, Winston-Salem, NC</i>
9:25AM - 9:40AM	Response corridors of head and spine and head-neck loads under frontal impacts using human cadaver sled tests and finite element modeling <i>John Humm, MS, Medical College of Wisconsin, Milwaukee, WI</i>
9:40AM - 9:55AM	Comparing Rib Cortical Thickness Measurements from Computed Tomography (CT) and micro-CT <i>Zachary Hostetler, BS, Virginia Tech-Wake Forest University Center for Injury Biomechanics, Winston-Salem, NC</i>
9:55AM - 10:10AM	Evaluation of Injury Risk Curve Variability Estimates: Applications for Injury Criteria for Human Safety <i>Nicholas DeVogel, BA, Medical College of Wisconsin, Milwaukee, WI</i>
10:10AM - 10:40AM	Break
10:40AM - 11:40AM	Infrastructure Studies from Domestic and International Perspectives - <i>Vista BD</i> Session Moderators: Jennifer Oxley, Francisco J. Lopez-Valdes
10:40AM - 10:55AM	Investigation of Energy-absorbing Guardrail End Terminals along U.S. Roads: Statistics and a Computer Modeling Study <i>Yunzhu Meng, MS, Virginia Tech, Blacksburg, VA</i>
10:55AM - 11:10AM	Epidemiological Study of Road Traffic Accident Cases admitted in a Tertiary Care Government Teaching Hospital in Western India with Special Reference to Public Health Perspective <i>Muntazir Ali Sayed, MBBS, Rajarshi Chhatrapati Shahu Maharaj (RCSM) Government Medical College (GMC) and CPR General Hospital, Kolhapur, India</i>
11:10AM - 11:25AM	Potential Test Characteristics for Intersection Active Safety Systems in the United States <i>Max Bareiss, BS, Virginia Tech, Blacksburg, VA</i>
11:25AM - 11:40AM	Motorcycle use for school transportation among primary school-aged children in Yemetu community, Ibadan, Nigeria <i>Omowunmi Oduguwa, University of Ibadan, Lagos, Nigeria</i>
11:40AM - 1:00PM	Lunch - <i>Vista A</i>

1:00PM - 2:00PM	Vulnerable Road Users - Vista BD Session Moderators: Aditya Belwadi, Marilyn Johnson
1:00PM - 1:15PM	Estimated Earliest Detection Opportunity in Vehicle-Pedestrian Collisions to Predict Active Safety System Effectiveness <i>Samantha Haus, BS, Virginia Tech, Blacksburg, VA</i>
1:15PM - 1:30PM	The impact of mild to moderate severity road traffic injury on older people <i>Katherine Brown, BA, MHIM, University of Sydney, Australia, New South Wales, Australia</i>
1:30PM - 1:45PM	Characteristics of the accident and cause of the death according to age groups in elderly motor vehicle driver accident <i>Chan Young Kang, Yonsei University Wonju College of Medicine, Gangwon, Republic of Korea</i>
1:45PM - 2:00PM	Rear Seat Occupant Injury Outcomes in Narrow Object Side Impacts <i>Whitney Tatem, BS, Virginia Tech, Blacksburg, VA</i>
2:00PM - 2:30PM	Break
2:30PM - 3:30PM	Studies on Active Safety, from Vehicle to Occupant - Vista BD Session Moderator: Jennifer Yaek, Katarina Bohman
2:30PM - 2:45PM	Emergency Autonomous to Manual Takeover on Driving Simulator: sudden event at highway exit <i>Saniyah Shaikh, University of Pennsylvania, Philadelphia, PA</i>
2:45PM - 3:00PM	Impact of Forward Collision Autobrake System on Fatal Crashes in US <i>Abhineet Sethi, University of Toronto, Ontario, Canada</i>
3:00PM - 3:15 PM	Estimated Benefits of Lane Departure Warning and Prevention Systems Based on EDR Crash Information <i>Luke Riexinger, BS, Virginia Tech, Blacksburg, VA</i>
3:15PM - 3:30 PM	Rear Passenger Kinematics in Automatic and Manual Emergency Braking <i>Ethan Douglas, BS, University of Pennsylvania, Philadelphia, PA</i>
3:30PM - 5:30PM	Mentoring Session - Vista C
3:00PM - 6:00PM	Pre-conference Workshop - Understanding AIS: Practical Information for Analyzing Injuries using AIS Codes (Pre-registration required) - Hillsborow 2 & 3 <i>Presenters: Kathy Cookman, BS, CSTR, CAISS, EMT-P, FMN; Kathryn Loftis, PhD, CAISS; Waqar Malik, MBBS, MPH, CAISS</i>
6:00PM - 7:30PM	Welcome Reception - Analog

Monday, Oct. 8, 2018

Main Conference - 8:00 am - 5:00 pm

7:00AM	Registration Open - <i>Vista Pre-function</i>
7:00AM - 8:00AM	Continental Breakfast - <i>Vista Pre-function</i>
8:00AM - 8:15AM	Welcome Address - <i>Vista BD</i>
8:15AM - 9:15AM	Keynote Address: Alejandro Furas Pillar 3: Safe Vehicles <i>Session Moderators: Gary Smith, Matt Maltese</i>
9:15AM - 10:15AM	Keynote Address: Teri Reynolds Pillar 5: Post-Crash Response
10:15AM - 10:30AM	Break
10:30AM - 11:10AM	Pre-Crash Factors - <i>Vista BD</i> <i>Session Moderators: Jamie Dow, Sjaan Koppel</i>
10:30AM - 10:50AM	① Evaluation of Alternative Intersection Treatments at Rural Cross-Roads Using Simulation Software Author: Sujanie Peiris, BSc, BE, <i>Monash University Accident Research Centre, Victoria, Australia</i> Co-Authors: Bruce Corben; Michael Nieuwesteeg; Clay Gabler; Andrew Morris; Diana Bowman; Michael Lenné; Michael Fitzharris (Presenter)
10:50AM - 11:00AM	② Before the crash: a systematic analysis of police narratives to determine the prevalence of pre-crash factors in fatality road transport crashes Author: Marilyn Johnson, PhD, <i>Monash University Accident Research Centre, Victoria, Australia</i> Co-Author: Lyndal Bugeja
11:00AM - 11:05AM	③ Relationship between injury patterns and severity of motor vehicle accidents with meteorological patterns in a Korean island Author: Joongsuck Kim, MD, CAISS, <i>Cheju Halla General Hospital, Jeju-do, Republic of Korea</i> Co-Authors: Oh Sang Kwon; Kyoung Hwan Kim; Min Koo Lee; Hohyoung Lee; Sung Ho Han; Soon-Ho Chon
11:05AM - 11:10AM	④ Mental Representation of Traffic Signs and their Implication in Traffic Safety Author: Jose Luis Vilchez, PhD, MSCI, BSc, <i>University of Cuenca, Azuay, Ecuador</i>
11:10AM - 12:00PM	Child Safety - <i>Vista BD</i> <i>Session Moderators: Hans Hauschild, Mark Zonfrillo</i>
11:10AM - 11:30AM	⑤ Usability of non-standard lower anchor configurations for child restraint system (CRS) installation Author: Julie Mansfield, MS, <i>The Ohio State University, Columbus, OH</i> Co-Authors: Yadetsie Zaragoza-Rivera; John Bolte IV
11:30AM - 11:50AM	⑥ Epidemiology of Injury Patterns for 4 to 10-Year-Olds in Side and Oblique Impacts Author: Jennifer Yaek, PhD, <i>Wayne State University, Detroit, MI</i> Co-Authors: Stephen W. Rouhana; John M. Cavanaugh

11:50AM - 12:00PM **7 Evaluating the Response of the PIPER Scalable Human Body Model across Child Restraining Seats in Simulated Frontal Crashes**

Author: Jalaj Maheshwari, MS, *Center for Injury Research and Prevention, The Children's Hospital of Philadelphia, Philadelphia, PA*

Co-Authors: Nhat Duong; Shreyas Sarfare; Aditya Belwadi

12:00PM - 1:00PM **Lunch - Vista AC**

1:00PM - 2:00PM **Motorcyclists, Cyclists, & Pedestrians - Vista BD**
Session Moderators: Jacobo Antona Makoshi, Jennifer Oxley

1:00PM - 1:20PM **8 Near miss crashes and other predictors of motorcycle crashes: Findings from a population-based survey**

Author: Liz de Rome, PhD, *Institute for Frontier Materials, Deakin University, Waurn Ponds Campus, Victoria, Australia*

Co-Authors: Julie Brown, Matthew Baldock, [Michael Fitzharris](#)

1:20PM - 1:40PM **9 Fatal cyclist collisions in Australia**

Author: Steve O'Hern, PhD, *Monash University Accident Research Centre, Victoria, Australia*

Co-Author: [Jennifer Oxley](#)

1:40PM - 1:50PM **10 Cycle Aware Package: using Haddon's Matrix to reduce novice driver crashes with cyclists**

Author: Marilyn Johnson, PhD, *Monash University Accident Research Centre, Victoria, Australia*

Co-Authors: Jennifer Bonham; Narelle Haworth

1:50PM - 1:55PM **11 Pedestrians struck by motor vehicles: in search of a target for intervention**

Author: Dana Ferrari-Light, DO, MPH, *New York Presbyterian-Queens, New York City, NY*

Co-Authors: Clara Oromendia; Gloria Melnic; Jason Sample; Pierre Saldinger

1:55PM - 2:00PM **12 Mortality predictors in traumatic brain injury due to motorcycle crashes in Rwanda**

Author: Elizabeth Krebs, MD, MSC, *Thomas Jefferson University, Sidney Kimmel Medical College, Philadelphia, PA*

Co-Authors: Jason F. Luck; Roger W. Nightingale; Sudha Jayaraman; Joao Ricardo Nickenig Vissoci; Stephen Rulisa; Jean Claude Byringiro; Catherine A. Staton

2:00PM - 3:00PM **Spine - Vista BD**
Session Moderators: Dennis Maiman, Aditya Belwadi

2:00PM - 2:20PM **13 Computational Modeling and Analysis of Thoracolumbar Spine Fractures in Frontal Crash Reconstruction**

Author: Xin Ye, MS, *Wake Forest University School of Medicine, Winston-Salem, NC*

Co-Authors: Derek Jones; James Gaewsky; Logan Miller; Ashley Weaver; Joel Stitzel

2:20PM - 2:40PM **14 Evaluation of Hybrid III and THOR-M Neck Kinetics and Injury Risk under Various Restraint Conditions during Full-Scale Frontal Sled Tests**

Author: Devon Albert, BS, *Virginia Tech, Blacksburg, VA*

Co-Authors: Stephanie M. Beeman; Andrew R. Kemper

2:40PM - 3:00PM	<p>15 Prediction Model to Analyze Factors Affecting the Presence of Mild Whiplash Injury in Minor Motor Vehicle Crashes based on Korean In-Depth Accidents Study (KIDAS) Database</p> <p>Author: Hee Young Lee, PhD, <i>Yonsei University Wonju College of Medicine, Gangwon, Republic of Korea</i> Co-Authors: Joon Seok Kong; Sil Sung; Chan Young Kang; Ji Yung Jang; Hyun Youk; Kang Hyun Lee</p>
3:00PM - 3:15PM	Break
3:15PM - 4:00PM	<p>Elderly - Vista BD</p> <p><i>Session Moderators: Amanda Agnew, Thomas Hartka</i></p>
3:15PM - 3:35PM	<p>16 Chest injuries of elderly Post Mortem Human Surrogates (PMHS) under seat belt and airbag loading in frontal sled impacts. Comparison to matching THOR tests.</p> <p>Author: Francisco J. Lopez-Valdes, PhD, <i>Universidad Pontificia de Comillas, Madrid, Spain</i> Co-Authors: Kristoffer Mroz; Julia Muehlbauer; Bengt Pipkorn; Sylvia Schick; Steffen Peldschus</p>
3:35PM - 3:45PM	<p>17 Analysis of Injury Pattern according to Elderly and Non-Elderly Groups in Motor-driven Minor Crash Accident</p> <p>Author: Joon Seok Kong, <i>Yonsei University Wonju College of Medicine, Gangwon, Republic of Korea</i> Co-Authors: Kang Hyun Lee; Oh Hyun Kim; Hyun Youk; Hee Young Lee; Chan Young Kang; Sil Sung</p>
3:45PM - 3:55PM	<p>18 Are older drivers' driving patterns during an on-road driving task representative of their real-world driving patterns?</p> <p>Author: Sjaan Koppel, PhD, <i>Monash University Accident Research Centre, Victoria, Australia</i> Co-Authors: Judith Charlton; Phuong Hua; Peter Lui; Hiep Pham; Karen Stephan; David Logan; Renee St. Louis; George Gao</p>
3:55PM - 4:00PM	<p>19 Comparison of citation adjudication between older and younger drivers in Maryland</p> <p>Author: Timothy Kerns, PhD, <i>University of Maryland Baltimore/National Study Center for Trauma; Baltimore, MD</i> Co-Author: Cynthia Burch</p>
4:00PM - 5:00PM	<p>Biomechanics - Vista BD</p> <p><i>Session Moderators: Andrew Kemper, Jonathan Rupp</i></p>
4:00PM - 4:20PM	<p>20 Three-dimensional kinematic corridors of the head, spine, and pelvis for small female driver-seat occupants in near- and far-side oblique frontal impacts</p> <p>Author: John Humm, MS, <i>Medical College of Wisconsin, Milwaukee, WI</i> Co-Authors: Narayan Yoganandan; Frank A. Pintar; Klaus Driesslein</p>
4:20PM - 4:40PM	<p>21 Deformation patterns in WorldSID 50th percentile dummy instrumented with IR-TRACC and RibEyeTM in different loading configurations</p> <p>Author: Anil Kalra, PhD, <i>Ford Motor Company, Dearborn, MI</i> Co-Authors: Jason Greb; Agnes Kim; Presenter: <u>Warren Hardy</u></p>
4:40PM - 4:50PM	<p>22 Influence of ATD Versus PMHS Reference Sensor Inputs on Computational Brain Response in Frontal Impacts to Advanced Combat Helmet (ACH)</p> <p>Author: Mark Begonia, PhD, <i>Medical College of Wisconsin, Milwaukee, WI</i> Co-Authors: John Humm; Klaus Driesslein; Alok Shah; Frank A. Pintar; Narayan Yoganandan</p>

4:50PM - 5:00PM

23 **Risk of concussion due to head acceleration in rear impact sled tests of passenger automobile seats**

Author: Amy Courtney, PhD, *Exponent, Atlanta, GA*

Co-Authors: Stephanie Pasquesi; Ian Campbell; Elijah Courtney

5:00PM - 7:00PM

President's Reception (by invitation only) - *Vista C*

7:00PM - 9:00PM

Student Social Program - Go Karts & Mini Golf

Meet in Hotel Lobby at 6:45PM

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Tuesday, Oct. 9, 2018

Main Conference - 8:00 am - 4:45 pm

7:30AM	Registration Open - <i>Vista Pre-function</i>
7:30AM - 8:00AM	Continental Breakfast - <i>Vista Pre-function</i>
8:00AM - 9:00AM	Keynote Address: Julio Urzua Pillar 2: Infrastructure - <i>Vista BD</i> <i>Session Moderators: Ashley Weaver, Francisco Lopez-Valdes</i>
9:00AM - 10:00AM	Keynote Address: Maria Fernanda Rodriguez Pillar 1: Road Safety Management
10:00AM - 10:15AM	Break
10:15AM - 12:00PM	Advanced Driver Assistance Systems & Automation - <i>Vista BD</i> <i>Session Moderators: Clay Gabler, Schuyler St. Lawrence</i>
10:15AM - 10:35AM	24 Passenger Head Kinematics in Abrupt Braking and Lane Change Events Author: Matthew Reed, PhD, <i>University of Michigan, Ann Arbor, MI</i> Co-Authors: Sheila Ebert-Hamilton; Monica Jones; Byoung-Keon Park; Jason Hallman; Rini Sherony
10:35AM - 10:55AM	25 Forward Collision Warning System Impact Author: Norma Hubele, PhD, <i>Refrac Systems, Chandler, AZ</i> Co-Author: Kathryn Kennedy
10:55AM - 11:15AM	26 Advanced Driver Assistance Systems for Teen Drivers: A National Survey of Teen and Parent Perceptions Author: Thomas Seacrist, MS, <i>The Children's Hospital of Philadelphia, Philadelphia, PA</i> Co-Authors: Chloe Hannan; Aimee Palumbo; Megan Fisher Thiel; Eve Weiss
11:15AM - 11:35AM	27 Field Effectiveness Evaluation of Advanced Driver Assistance Systems Author: Rebecca Spicer, PhD, MPH, <i>Impact Research, LLC, Columbia, MD</i> Co-Authors: Amin Vahabaghaie; George Bahouth; Denis Murakhovsky; Fabian Steinhauser; Ludwig Drees; Robert Martinez von Buelow
11:35AM - 11:45AM	28 Fatal Crash between a Car Operating with Automated Control Systems and a Tractor-Semitrailer Truck Author: Kristin Poland, PhD, <i>National Transportation Safety Board (NTSB), Washington, DC</i> Co-Authors: Ensar Becic; Deborah Bruce; <u>Mary Pat McKay</u>
11:45AM - 11:55AM	29 Perceived safety benefits, concerns, and utility of Advanced Driver Assistance Systems among owners of ADAS-equipped vehicles Author: Anuj Pradhan, PhD, <i>University of Michigan, Ann Arbor, MI</i> Co-Authors: Elizabeth Pulver; Jennifer Zakrajsek; Lisa Molnar; Shan Bao
11:55AM - 12:00PM	30 A novel multi-agent traffic simulation model to predict the impact of Automated Vehicles on traffic safety Author: Jacobo Antona-Makoshi, PhD, <i>Japan Automobile Research Institute, Ibaraki, Japan</i> Co-Authors: Keisuke Shimono; Akito Adachi; Sou Kitajima; Nobuyuki Uchida; Osamu Takatori; Jun Tajima

12:00PM - 1:15PM	Lunch; Special Interest Groups & Committees Meet Up - Vista AC
1:15PM - 2:10PM	Impaired & Distracted Driving - Vista BD <i>Session Moderators: Gary Milavetz, Thomas Seacrist</i>
1:15PM - 1:25PM	31 A Community Driving Under the Influence (DUI) Study of Declining Arrests Author: James Fell, MS, <i>National Opinion Research Center (NORC), Bethesda, MD</i>
1:25PM - 1:35PM	32 An Awareness Campaign Decreases Distracted Driving Among Hospital Employees at a Rural Trauma Center Author: Navpreet Rana, DO, <i>Guthrie Clinic, Sayre, PA</i> Co-Authors: Melissa Ross; Nicole Cumbo; Kristin Divens; Cynthia Whitaker; Jennifer Mele; Robert Behm; Presenter: Lauren Colom
1:35PM - 1:45PM	33 Effects of Alcohol at 0.05% Blood Alcohol Concentration (BAC) on Low Speed Urban Driving Author: Timothy Brown, PhD, <i>National Advanced Driving Simulator, Coralville, IA</i> Co-Authors: John Lee; Dary Fiorentino
1:45PM - 1:55PM	34 The Effect of Poor Sleep and Occupational Demands on Driving Safety in Medical Residents Author: Benjamin McManus, PhD, <i>University of Alabama at Birmingham, Birmingham, AL</i> Co-Authors: Karen Heaton; Sylvie Mrug; John Porterfield; Mark Schall; Despina Stavrinou
1:55PM - 2:00PM	35 Taking alcohol by deception: an analysis of ethanol concentration of "Paraga" an alcoholic herbal mixture in Nigeria and its use among commercial motor drivers in a Nigerian city Author: Oluwadiya Kehinde Sunday, <i>MBBS (Ib), FMCS Orthop (Nig), FACS, Ekiti State University, Ekiti, Nigeria</i> Co-Authors: Emmanuel Adegoke; Femi Fatoye
2:00PM - 2:05PM	36 The challenges of enforcing cell phone use while driving laws among police: a qualitative study Author: Toni Rudisill, MS, PhD, <i>West Virginia University, School of Public Health, Morgantown, WV</i> Co-Authors: Adam Baus; Traci Jarrett
2:05PM - 2:10PM	38 Does the 24/7 Sobriety Program Positively Influence Driver Behaviors in North Dakota? Author: Kimberly Vachal, PhD, <i>North Dakota State University, Fargo, ND</i> Co-Authors: Andrew Kubas; Poyraz Kayabas
2:10PM - 3:00PM	Lower Extremity & Pelvis - Vista BD <i>Session Moderators: Scott Gayzik, Matt Reed</i>

2:10PM - 2:30PM	<p>39 Do clinical hip and lumbar bone mineral density (BMD) measures correlate with foot-ankle BMD?</p> <p>Author: Sajal Chrv, PhD, <i>Medical College of Wisconsin/Clement J. Zablocki Veterans Affairs Medical Center, Milwaukee, WI</i> Co-Authors: Frank A. Pintar; Narayan Yoganandan</p>
2:30PM - 2:50PM	<p>40 Variation of injury type with sex and age in the lower extremity</p> <p>Author: Carolyn Roberts, BS, <i>University of Virginia Center for Applied Biomechanics, Charlottesville, VA</i> Co-Authors: Jason Kerrigan; Jason Forman</p>
2:50PM - 3:00PM	<p>41 Development of an Injury Risk Curve for Pelvic Fracture in Vertical Loading Environments</p> <p>Author: Tyler Rooks, MS, <i>U.S. Army Aeromedical Research Laboratory, Fort Rucker, AL</i> Co-Authors: Valeta Chancey; Frederick Brozoski; Robert Salzar ; Frank A. Pintar; Narayan Yoganandan</p>
3:00PM - 3:45PM	Break, Poster Viewing & Voting - <i>Vista Pre-function</i>
3:45PM - 4:45PM	AAAM Business Meeting - <i>Vista BD</i>
6:30PM	Recognition Dinner - <i>Vista AC</i>



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Prize will be awarded Wednesday at the conclusion of the conference. Winner must be present to obtain the prize and must produce the winning ticket. [AAAM is not responsible for lost tickets. The gift card cannot be exchanged.]



Pick the Best Poster

View the poster displays and vote for your favorite. Place the AAAM blue guitar pick in the box with poster of your choice. The outstanding poster presenter will be announced at the Recognition Dinner on Tuesday evening.

CAST YOUR VOTE BEFORE 5:00 pm Tuesday, October 9th.

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Wednesday, Oct. 10, 2018

Main Conference - 8:00 am - 12:30 pm

7:30AM	Registration Open - Vista Pre-function
7:30AM - 8:00AM	Continental Breakfast - Vista Pre-function
8:00AM - 9:00AM	Keynote Address: Tom Bishop Pillar 4: Road User Behavior - Vista BD Session Moderators: Jason Hallman, Carl Schulman
9:00AM - 9:50AM	Vehicle Safety - Vista BD Session Moderators: Jason Hallman, Carl Schulman
9:00AM - 9:20AM	42 Effectiveness of Center Mounted Airbag in Far-Side Impact Using THOR ATD Author: Hans Hauschild, MS, <i>Medical College of Wisconsin, Milwaukee, WI</i> Co-Authors: Sagar Umale; John Humm; Klaus Driesslein; Mike Arun; Narayan Yoganandan
9:20AM - 9:40AM	43 Overview of a Comprehensive Evaluation for the Assessment of Panoramic Sunroof Impact Characteristics for Ejection Mitigation Author: Katarzyna Rawska, MS, <i>University of Virginia - Center For Applied Biomechanics, Charlottesville, VA</i> Co-Authors: Bronislaw Gepner; Jason Kerrigan; Greg Shaw
9:40AM - 9:50AM	44 Decomposition analysis of the effects of vehicle safety technologies on the motor vehicle collision-related mortality rate from 1994-2015 Author: Russell Griffin, MPH, PhD, <i>University of Alabama at Birmingham, Birmingham, AL</i> Co-Authors: Gerald McGwin; Jeffrey Kerby
9:50AM - 10:00AM	Break
10:00AM - 11:20AM	Injury Coding & Risk - Vista BD Session Moderators: Dustin Petersen, Jennifer Yaek
10:00AM - 10:20AM	45 Non-linear models of injury risk, and implications in intervention targeting for thoracic injury mitigation Author: Jason Forman, PhD, <i>University of Virginia, Charlottesville, VA</i> Co-Author: Tim McMurry
10:20AM - 10:40AM	46 Evolution of the Abbreviated Injury Scale: 1990 - 2015 Author: Kathryn Loftis, PhD, CAISS, <i>United States Army Research Laboratory, Aberdeen Proving Ground, MD</i> Co-Authors: Janet Price; Patrick Gillich
10:40AM - 11:00AM	47 Development of Injury Risk Models to Guide CT Evaluation in the Emergency Department after Motor Vehicle Collisions Author: Thomas Hartka, MD, MS, <i>University of Virginia, Charlottesville, VA</i> Co-Authors: George Glass; Christopher Kao; Tim McMurry

11:00AM - 11:20AM	<p>48 Novel learning framework for evaluating statistical ranking methodologies for biomechanical metrics that describe human response to injury in impact environments</p> <p>Author: Narayan Yoganandan, PhD, <i>Medical College of Wisconsin, Milwaukee, WI</i> Co-Authors: Anjishnu Banerjee; Nicholas DeVogel; Frank A. Pintar</p>
11:20AM - 12:20PM	<p>Field Data Analysis - Vista BD</p> <p><i>Session Moderators: Jim Fell, Jason Forman</i></p>
11:20AM - 11:40AM	<p>49 Nationwide Risk Factors For Reinjury After Motor Vehicle Crashes</p> <p>Author: Joshua Parreco, MD, <i>University of Miami, Miller School of Medicine, Miami, FL</i> Co-Authors: Scott Revell; Tanya Zakrison; Carl Schulman; Rishi Rattan</p>
11:40AM - 11:50AM	<p>50 Injury Severity Score Alone Predicts Mortality when Compared to EMS Scene Time and Transport Time for Motor Vehicle Trauma Patients who Arrive Alive to Hospital</p> <p>Author: Rachel Lovely, BS, <i>Guthrie Health Ssystem, Danville, PA</i> Co-Authors: Andrew Trecartin; Gabriel Ologun; Alexander Johnston; Sergey Svintozelskiy; Jason Granet; Robert Behm</p>
11:50AM - 12:00PM	<p>51 Medical Investigation after a Motorcoach Strikes the Rear of a Tractor Semitrailer Parked on the Highway; 13 Fatal</p> <p>Author: Mary Pat McKay, MD, MPH, <i>National Transportation Safety Board (NTSA), Washington, DC</i> Co-Authors: Thomas Barth; Kristin Poland</p>
12:00PM - 12:10PM	<p>52 Identifying MAIS3+ injury severity collisions in UK Police collision records</p> <p>Author: James Nunn, BSc, MA, <i>Loughborough University, Design School, Leicestershire, United Kingdom</i></p>
12:10PM - 12:20PM	<p>53 Ten Year Review of BMW Accident Research Program Investigated Cases</p> <p>Author: Janet Bahouth, DSc, <i>Impact Research LLC, Columbia, MD</i> Co-Authors: Kelly Withum; George Bahouth; Kennerly Digges; James Stratton; Rebecca Spicer; Fabian Steinhauser; Peter Baur; Carl Schulman</p>
12:20AM - 12:30PM	Closing Remarks
12:30PM	Adjourn