

AAAM Annual Conference 2025 Program Schedule

Wednesday, Oct 8, 2025

Topic	Length	Start time	End time	Presentation Title
Breakfast	1:00	7:15	8:15	
Welcome address	0:10	8:15	8:25	
Keynote - Racing	1:00	8:25	9:25	Dr. Julia Vaizer and Dr. Melissa McCarthy
Break	0:10	9:25	9:35	
Safety Potpourri	0:20	9:35	9:55	Head Acceleration Events in Stock Car Auto Racing: Motivating and Assessing Track Changes
	0:20	9:55	10:15	Comparison of Waymo Rider-Only Crash Rates by Crash Type to Human Benchmarks at 56.7 Million Miles
	0:20	10:15	10:35	Potential safety benefits associated with speed limit compliance in San Francisco and Phoenix
Break	0:15	10:35	10:50	
Equity and crash factors	0:20	10:50	11:10	Exploring advanced restraint technologies for improving safety equity for rear-seat occupants using diverse human body models
	0:20	11:10	11:30	The Impact of Sex on Abdominopelvic Injury Patterns and Causation in Frontal Vehicle Collisions
	0:20	11:30	11:50	Relationship with Sex-based Anatomical Differences to Lower Extremity Injury Severity in Frontal Crashes
	0:20	11:50	12:10	Predicting Distal Tibia Fracture Type using Demographic, Vehicle, and Crash Factors via a Random Forest Classification Algorithm
Lunch	1:20	12:10	13:30	
SIG	0:45	13:30	14:15	Jchanet Tan (Malaysia)
Break	0:10	14:15	14:25	
Driver behavior	0:20	14:25	14:45	Prevalence of High-Risk Behaviors among Commercial Motor Vehicle Drivers Measured Using Artificial Intelligence for Naturalistic Data Collection
	0:20	14:45	15:05	Use of Real-Time Driver Alerts to Improve Commercial Motor Vehicle Safety
	0:20	15:05	15:25	Impact of Realistic Cannabis Use on Simulated Driving Performance
	0:20	15:25	15:45	VISUAL GAZE AND ENGAGEMENT WITH NON-DRIVING RELATED TASKS: A DRIVING SIMULATOR STUDY WITH AUTOMATED DRIVING SYSTEMS
Break	0:15	15:45	16:00	
Pregnant occupants	0:20	16:00	16:20	Belts on bones, not over the bump: Reported seat belt use and positioning among pregnant and nonpregnant drivers and passengers in the U.S.
	0:20	16:20	16:40	Seatbelt use trends for males, pregnant females, and nonpregnant females vary with age, geographic location, and state seatbelt enforcement laws in the United States

Thursday, Oct 9, 2025

Topic	Length	Start time	End time	Presentation Title
Breakfast	1:00	7:15	8:15	
SPC Committee Meeting	1:00	7:15	8:15	
Keynote	1:00	8:15	9:15	Dr. John Patalak
Break	0:10	9:15	9:25	
Poster session	0:03	9:25	9:28	Are Electric Vehicles More Aggressive Than Internal Combustion Vehicles in Crashes?
	0:03	9:28	9:31	Public Awareness Campaigns and Policy Enforcement on Impaired Driving in the Public Transport Sector in Nigeria and Kenya
	0:03	9:31	9:34	Evaluating Driving Exposure and Performance in Habitual Cannabis and Alcohol Users using Naturalistic Driving Data
	0:03	9:34	9:37	Seat Belt Fit and Use Among Pregnant Vehicle Occupants
Poster viewing & discussion	0:33	9:37	10:10	NCAP in LMICs (Mohan, Tewari, Mahajan)
SIG	0:45	10:10	10:55	
Break	0:05	10:55	11:00	

BREAKOUT SESSIONS

ROOM 1

Topic	Length	Start time	End time	Presentation Title
Motorcycles and electric bicycles	0:20	11:00	11:20	EXPLORING MOTORCYCLE SAFETY IN NAIROBI: HELMET USE, INJURY BURDEN AND BARRIERS TO COMPLIANCE
	0:20	11:20	11:40	A MECHANISTIC APPROACH TO MODELING OMNIDIRECTIONAL MOTORCYCLIST INJURY RISK
	0:20	11:40	12:00	Injury Patterns and Safety Implications for Electric Bikes Compared to Mopeds in the United States
Lunch	1:30	12:00	13:30	
Bicycle crash avoidance	0:20	13:30	13:50	The crash reduction potential of automatic emergency braking systems that respond to bicyclists. Using Simulation to Develop Protocols for Bicycle Crash-Avoidance Testing
Break	0:20	13:50	14:10	
Break	0:10	14:10	14:20	
Pedestrian	0:20	14:20	14:40	Predicting Head Impact Conditions in Vehicle-to-Pedestrian Impacts through Computational Human Modeling
	0:20	14:40	15:00	REAL-WORLD PEDESTRIAN CRASH RECONSTRUCTIONS: VEHICLE MODEL VALIDATION AND BIOMECHANICAL INJURY ANALYSIS
	0:20	15:00	15:20	Vehicle Blind Zones and Pedestrian Safety at Intersections: Identifying High-Risk Scenarios Using Mathematical Simulations
Break	0:10	15:20	15:30	
SC and LBOOs	0:10	15:30	15:40	Study of Interaction of Helmet and Head Surround Foam During Side Impact Events in Motorsport
	0:10	15:40	15:50	Can Visual Feedback Improve Young Drivers' Behavior? A proof-of-concept Study
	0:10	15:50	16:00	Small Size Female Injury Risk Curves for Automotive Applications
	0:10	16:00	16:10	Priority research questions in post-crash care
	0:10	16:10	16:20	Differences in thoracic injuries by body mass index in motor vehicle collisions using KIDAS database

ROOM 2

Trauma and triage	0:20	11:00	11:20	OPTIMIZING ABBREVIATED INJURY SCALE SEVERITY USING A NEURAL NETWORK TO ENHANCE THE PREDICTIVE PERFORMANCE OF INJURY SEVERITY SCORES
	0:20	11:20	11:40	Geospatial Analysis of Motor Vehicle Crashes (MVCs) and Trauma Center Accessibility in New York State
	0:20	11:40	12:00	Multifactor Analysis of Cost of Injury Using Classification and Regression Tree
Lunch	1:30	12:00	13:30	
Child safety	0:20	13:30	13:50	IIHS Side Impact Barrier 2.0: Exploring the effect of the upgraded barrier nearside impact on naturalistically seated pediatric occupant in booster CRSs
	0:20	13:50	14:10	Repositioning forward-leaning booster-seated child occupants in frontal-oblique low-acceleration impacts
	0:20	14:10	14:30	Seat belt tension in child restraint system (CRS) installations with and without belt tensioning and lock-off features
	0:10	14:30	14:40	
Child safety	0:20	14:40	15:00	Strength of an Underfloor Storage Compartment When Loaded with a Support Leg During a Frontal Crash

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	0:20	15:00	15:20	Characterizing Suboptimal Child Passenger Safety Practices in Crashes with Fatalities: Child, Driver, Vehicle, Neighborhood, and Policy Factors
	0:20	15:20	15:40	A mixed-methods study characterizing US caregivers' attitudes towards pediatric vehicular heatstroke interventions
	0:10	15:40	15:50	
LBOOs	0:10	15:50	16:00	Quantification of Buttocks and Thigh Deformation in Seating: A Multi-Modality Approach
	0:10	16:00	16:10	SUV and second-row pediatric occupant response to high-speed rear impacts from a tractor-trailer
	0:10	16:10	16:20	The Characterization of Lumbar Acceleration in Rear-End Impacts Across Different Surrogate Occupant Types
	0:10	16:20	16:30	The kinematics of six Post Mortem Human Subjects under seatbelt and airbag loading in frontal impacts
Break	0:20	16:20	16:40	
Annual business meeting	0:45	16:40	17:25	
Awards Dinner			18:00	

Friday, Oct 10, 2025

Topic	Length	Start time	End time	Presentation Title
Breakfast	1:00	7:15	8:15	
Interactive demonstrations	0:10	8:30	8:40	Digital AIS - Podium presentation
	0:10	8:40	8:50	AV SIG podium presentation - Purdue guests (<i>Contact: Kusano</i>)? <i>To be confirmed</i>
Break for demonstrations/interactions	0:30	8:50	9:20	
Veterinary AIS	0:10	9:20	9:30	Applying Veterinary Abbreviated Injury Scale to Dogs Injured in Vehicle Crashes
Biomechanics	0:20	9:30	9:50	Evaluation of THOR-50M-RS Under Reclined Seating Conditions
	0:20	9:50	10:10	THOR-50M thoracic deflections: preliminary kinetic assessment in frontal barrier crash tests
Break	0:15	10:10	10:25	
Biomechanics	0:20	10:25	10:45	The effect of time-extended evasive swerving maneuvers on occupants' bracing strategies
	0:20	10:45	11:05	Methods for Assessing Submarining Occurrence in PMHS Frontal Sled Tests: Exploring Potential Indicators
				Evaluating Submarining in Female Human Body Models: Predicting Occurrence and Timing through Biomechanics and Restraint Metrics
	0:20	11:05	11:25	
Closing ceremony	0:10	11:25	11:35	
CAPE Tour	4:30	12:00	4:30	CAPE Facility Offsite Tour with lunch and transportation included