



CURRICULUM VITÆ

MIAO SONG

“Dr. Song is a lead Human Factors engineer at LISKE Accident & Injury experts and handles issues related to automobiles, drivers, and other road users. His expertise encompasses advanced driver-assistance systems (ADAS), connected and automated vehicles (CAVs), driver performance and limitations, driver inattention, distracted driving, human factors in infrastructure design and operation, and vulnerable road users.”

Ph.D. Industrial Engineering

M.S. Mechanical Engineering and Applied Mechanics

B.S. Automation

1. BIOGRAPHY

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Dr. Song has over a decade of experience in transportation and safety from both academia and industry. In his current role at Honda, Dr. Song identifies and addresses key human factors issues involving performance and safety. Furthermore, Dr. Song carries out ADAS and CAV features in user clinics to solicit driver/rider benefits. Dr. Song also participates in regulatory affairs to improve industry standards.

Dr. Song has managed and conducted research projects aiming at characterizing transportation problems, advanced vehicle systems, and driver performance and limitations at Virginia Tech Transportation Institute. Dr. Song has worked with automotive industry clients to evaluate prototype concepts and advanced technologies by designing, conducting, and analyzing human factors studies. The work has led to numeric vehicle systems on the market and peer-reviewed publications and has contributed to new federal safety standards and industry standards.

Dr. Song has examined issues related to driver behavior, driver performance, and roadway safety at the Driver Performance Lab at the University of Rhode Island. Dr. Song has also identified and mitigated unsafe driving behaviors and evaluated the impacts of traffic control devices by analyzing data from field tests, driving simulations, and traffic data. His works were sponsored by the Rhode Island Department of Transportation and contributed to a safer and more pleasant driving experience for all road users.

Dr. Song is a member of the Transportation Research Board (TRB) standing committee of Human Factors of Infrastructure Design and Operations (ACH40). Dr. Song is also a peer reviewer for several journals such as Accident Analysis and Prevention, Society of Automotive Engineers (SAE), Traffic Injury Prevention, Human Factors, and Ergonomics Society Annual Meeting, TRB Annual Meeting, and Transportation Research, Part C: Emerging Technologies.

Dr. Song received his Ph.D. in Industrial Engineering with a concentration in Human Factors from the University of Rhode Island. Dr. Song also holds an M.S. degree in Mechanical Engineering from the University of Rhode Island where he applied novel approaches in the field of biomechanics to understand and remedy repetitive strain injuries (RSI) for professional athletes, construction workers, and soldiers. Dr. Song received a B.S. degree in Automation from the University of Science & Technology of China.

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