

Forensic Qualifications

Testimony in Superior Courts of California

Biographical Sketch

Mr. Shaw was born in San Diego, California, where he attended San Diego State University and obtained his Engineering degrees. He is an avid motorcyclist, holding a roadracing competition license with various organizations, and commuting on a motorcycle nearly every day for over a decade. Mr. Shaw is also an automotive racing enthusiast, having driven with various amateur racing organizations. Mr. Shaw bicycles often, both for commuting and recreation, and participates in charity rides and "centuries". His academic passion is studying the biomechanics of protective gear for motorcycles and bicycles, in order to advance the safety for the sports that he enjoys.

Mr. Shaw's master's thesis topic involved analyzing the biomechanics of injury mitigation performance for a new motorcycle helmet design.

Reports and Publications

"Quantifying Engine Braking for Various Common Street Motorcycles", H. Jansen, B. LeBlanc, C. Wilhelm, T. Shaw, A. Lowii, Society of Automotive Engineers 2020-01-0880, 2020.

Assisted with Testing: "An Analysis of EDR Data in Kawasaki Ninja 300 (EX300) Motorcycles," Ed Fatzinger, Society of Automotive Engineers 2017-01-1476, 2017.

ASTM F08.53 Low Velocity Impact Helmet Tests - 2017 Update – A Presentation for American Society of Testing and Materials F08 Committee Meeting; 2017.

Oblique Impact Response of Elastomeric Damper Matrix Helmets – A Presentation for American Association for the Advancement of Automotive Medicine 61st Annual Conference; 2017.

Assisted with Testing: Motorcycle Crash Testing (16 Crash Tests), California Association of Accident Reconstruction Specialists, 2017.

Bicycle Helmets – A Presentation for Southwestern Association of Technical Accident Investigators Fall Conference; 2016.

Fatzinger, EC, Shaw TL, Landerville JB, "The Effects of Power Interruption on Electronic Needle-Display Motorcycle Speedometers," SAE Publication 2016-01-1474, 2016.

Master's Thesis: "Biomechanic Analysis of Injury Mitigation Performance for Novel Helmet Design," Montezuma Publishing, 2014.

Assisted with Testing: "Acceleration and Braking Performance of Transit Style Buses," James English and Roman Beck, Society of Automotive Engineers 2012-01-0618, 2012.

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