

## **STEPHEN HENDERSON**

BEng (Hons) CEng FIMechE

I specialise in accident reconstruction and in investigating the causes of injuries sustained in all types of crashes, particularly by occupants in passenger cars. Holding a Bachelor's Degree in Mechanical Engineering, I am a Chartered Engineer, a Fellow of the Institution of Mechanical Engineers and a Member of the Institute of Traffic Accident Investigators. Using evidence from vehicle examinations and detailed injury descriptions, I regularly provide expert input to traffic accident and forensic investigations. My specialist fields include vehicle defects and roadworthiness, crashworthiness, restraint systems, airbag sensor calibration, occupant kinematics and injury mechanisms. I commonly apply these skills to determine seat belt use, the effect of failure to use a seat belt and the seating positions of occupants, which is particularly useful when the identification of a driver is an issue.

Prior to joining TCRI, I was a Principal Consultant at TRL, prior to which I served an indentured motor vehicle apprenticeship and worked as a vehicle mechanic for the Royal Electrical and Mechanical Engineers. After graduating I joined Land Rover Vehicles where I conducted many technical investigations at Land Rover and its suppliers. These covered a range of aspects of vehicle engineering and frequently involved product liability issues. After a 15 month period of training in accident investigation at the University of Birmingham Accident Research Centre, I was responsible for developing the real world accident research unit at Rover Group Ltd, with particular emphasis on accident investigations. I spent a period with the BMW Accident Research Unit in Germany before the MG Rover Group was formed, where I was responsible for vehicle safety research activities. These included accident investigations, research into pedestrian protection as well as advising on safety strategy at the early concept phase for new models.

I have also undertaken formal training in the investigation and reconstruction of road traffic collisions by the Society of Automotive Engineers and regularly provide expert evidence in this area.

I was an authorised test driver at TRL and am an experienced motorcyclist, having successfully completed the Institute of Advanced Motorists advanced motorcycling test.