

GARY COLEY

BEng (Hons) PhD CEng MIMechE MITA

I am a forensic engineer specialising in the investigation and reconstruction of road traffic collisions, with a particular interest in pedestrian collisions. I hold a Bachelor's Honours Degree and a PhD in Pedestrian Injury Modelling from the University of Birmingham Automotive Safety Centre. The latter of these involved the investigation and reconstruction of real-world accidents using mathematical modelling software to determine the accuracy of pedestrian models and their ability to be used in reconstructions to determine injury. I am a Chartered Engineer, a Member of the Institution of Mechanical Engineers and a Member of the Institute of Traffic Accident Investigators

From May 2001 until May 2004, I was a Research Associate at the University of Birmingham, undertaking a European Commission funded research study investigating the use of computer simulation tools to determine the injury potential for car occupants in non-standard collision configurations.

From May 2004 until October 2015 I was employed in the Incident Investigation and Reconstruction Group at TRL for 11 years, providing expert advice in the field of accident investigation and reconstruction, and I joined TCRI in October 2015.

I have undertaken specialist training in collision investigation and reconstruction, CCTV analysis, computer simulation/animation (PC Crash), human factors, surveying and photogrammetry.

I have reconstructed collisions for cars, motorcycles, large goods vehicles, including pedestrian and cyclist impacts, low speed vehicle impacts, single and multi-vehicle collisions. In addition, I have also conducted research on vehicle handling and stability both for cars and large goods vehicles.

Having supported case conferences and completed a number of joint expert statements I am experienced in providing advice and expert opinion to both insurers and legal representatives. I also have experience with presenting evidence for Court both in Civil and Criminal cases.