

CURRICULUM VITAE



Philip Hoyes BEng (Hons) CEng MIMechE MCSFS

PROFESSIONAL PROFILE

I have 19 years' experience of examining vehicles to forensic level and preparing reports compliant to Civil Procedure Rules for the purposes of investigating:

- Collisions
- Fire
- Occupant kinematics
- Mechanical failure
- Consistency of accident damage
- EDR, CDR, infotainment analysis

Instructed by both claimant and defendant lawyers, private and public organisation I am also instructed jointly as a single joint expert. I am familiar with the responsibilities of a single joint expert, the Civil Procedure Rules (CPR), and their Practice Direction.

A formally trained, vetted, and registered Expert Witness I have delivered expert evidence in Civil, Magistrate and Criminal courtrooms in the UK and in District, County and the High Court in Ireland.

His Honour Judge Scarrett described my evidence as being “*more concrete, more supported by tests of a scientific nature and more accurate on the facts of the case.*”

Since 2005 I have been actively involved in collision test research into the crashworthiness of vehicles and occupant kinematics.

In June 2005 I participated in full scale collision testing with closing speeds of 1 to 32 mph.

In December 2005 I was involved in a study into the effects of emergency braking on passengers of public service vehicles (PSVs).

In December 2017 I orchestrated investigative research into collision between cars (1 to 8 mph) and in August 2009, August 2011, and 2020 between cars and buses (1 to 12 mph).

I have also conducted various testing into the effects of low speed collisions, mischanges in gears, inappropriate suspension settings in coaches and emergency braking in cars and buses.

By invitation I presented research at the Annual General Meeting of the Institute of Traffic Accident Investigators, at the Premex Experts' Seminars, NEC, Birmingham, and at the TGC Insurance Fraud Conference, Manchester. I am on the peer review panel for the research submitted to the journal ‘*Accident Analysis and Prevention*’ published by Elsevier.

My current interest is in vehicle forensic data and I am certified to use the Bosch CDR equipment for Event Data Recorders (EDR) and to acquire and analyse data from Infotainment systems (Berla).

ACADEMIC CREDENTIALS

Qualification	Subject	Date
BEng (Hons)	Automotive Engineering	2002
HND	Automotive Engineering	2000

SPECIALISED QUALIFICATIONS

Qualification	Location	Date
Vehicle Collision Biomechanics	Sullenberger and Pike	2021
Bosch CDR Technician	ARDarts EU	2021
Certified Vehicle System Forensic Examiner (CVSE)	Berla Co.	2020
Certified Vehicle System Forensic Technician (CVST)	Berla Co.	2020
Certificate in Emerging Automotive Technologies	University of Michigan	2015
University Certificate in Continuing Professional Development in Forensic Road Collision Investigation	AiTS and De Montfort University	2012
Expert Witness Training	University of Central Lancashire	2012
Forensic Fire Investigation	Thatcham	2006
Collision Investigation Techniques	RoSPA	2004
Introduction to Estimating Procedures	Thatcham	2004

PROFESSIONAL CREDENTIALS / MEMBERSHIPS

Institution	Level	Date
Engineering Council	Chartered Engineer	2012
Institute of Mechanical Engineers (IMechE)	Member	2012
Chartered Society of Forensic Sciences (CSFS)	Member	2010

PUBLICATIONS AND PRESENTATIONS

Details
<i>A Study of Human Kinematic Response to Low Speed Rear-End Impacts Involving Vehicles of Largely Differing Masses</i> Henderson. B, Hoyes. P. Presented at the International Congress on Traffic Accident Investigation, Shanghai, November 2009.
<i>A Study of Extreme Partial Collisions</i> Henderson. B, Hoyes. P Published in "Impact", Journal of the Institute of Traffic Accident Investigators, Winter 2009.
<i>Is the Whiplash Threshold Really 3 mph?</i> Henderson. B, Hoyes. P, Presented at the Forensic Science Society Spring Conference, York, April 2010.
<i>A Study and Comparison of the Effects of Low Speed Change Vehicle Collisions on the Human Body</i> Hoyes. P, Henderson. B, Published in the March 2013 edition of Accident Analysis and Prevention (affiliated with the Association for the Advancement of Automotive Medicine), Elsevier.
<i>Measurement of Vehicle Height Changes Under Maximum Braking</i> Henderson. B; Hoyes. P; Hall. M, Published in "Impact", Journal of the Institute of Traffic Accident Investigators, Spring 2014.
<i>A Study into the Propensity for Exhaust Gas Ingress into a Vehicle as a Result of Collision Damage</i> Henderson, B., Hall. M, Hoyes. P. Published in the International Journal of Vehicle Safety, Vol. 8, No 3, 2015.
Annual General Meeting of the Institute of Traffic Accident Investigators, Solihull, 2014
Premex Experts' Seminars, NEC, Birmingham, 2014
TGC Insurance Fraud Conference, Manchester, 2015