



INVESTIGATION | ENGINEERING | RESEARCH

CURRICULUM VITAE

PHILIP HOYES BENG (HONS) CENG MIMECHE MCSFS

QUALIFICATIONS AND SPECIALISED TRAINING

- 2000 – HND Automobile Engineering
- 2002 – BEng (Hons) degree Automobile Engineering
- 2002 – Associate Member of the Institution of Mechanical Engineers
- 2004 – RoSPA Refresher Course Road Collision Investigation Techniques
- 2004 – Thatcham Training Centre, Introduction to Estimating Procedures
- 2006 – Hannaford, Forensic Fire Investigation
- 2010 – Member of The Forensic Science Society
- 2012 – Expert Witness Training, University of Central Lancashire
- 2012 – Member of the Institution of Mechanical Engineers
- 2012 – Chartered Engineer with the UK Engineering Council
- 2012 – University Certificate in Continuing Professional Development in Forensic Road Collision Investigation, De Montfort University.
- 2015 – Certificate in Emerging Automotive Technologies, University of Michigan.

EXPERIENCE

I have 12 years' experience of examining vehicles to forensic level and preparing reports compliant to Civil Procedure Rules for the purposes of investigating:

- Mechanical failure;
- Collisions;
- Fire;
- Consistency of accident damage;
- Occupant accelerations.

I am instructed by both claimant and defendant lawyers and insurance. I am also instructed jointly as a single joint expert. I have received training in the responsibilities of a single joint expert and the Civil Procedure Rules (CPR) and Practice Direction.

I am a Sweet and Maxwell Legal Hub 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.

In 2013 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 investigating the reaction of vehicle collisions in terms of damage and occupant movement.

RESEARCH EXPERIENCE

I attend conferences and read technical papers, articles and journals to maintain and update my knowledge in all aspects of engineering and collision investigation.

In June 2005 I participated in full scale collision testing with closing speeds of 1 to 32 mph geared towards investigating the relationship between vehicle damage and occupant movement.

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



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In August 2009 I orchestrated investigative research into collisions between cars and between cars and buses in terms of collision damage and occupant movement (1 to 12 mph).

In August 2011 I orchestrated research into low speed reversing collisions between buses and cars.

I have also conducted various testing into the effects in terms of occupant movement caused by 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 (2014), at the Premex Experts' Seminars, NEC, Birmingham (2014) and at the TGC Insurance Fraud Conference, Manchester. (2015).

PUBLICATIONS

A Study of Human Kinematic Response to Low Speed Rear-End Impacts Involving Vehicles of Largely Differing Masses Henderson. B, Hoyes. P.

Presented at the International Congress on Traffic Accident Investigation, Shanghai, November 2009.

A Study of Extreme Partial Collisions Henderson. B, Hoyes. P

Published in "Impact", Journal of the Institute of Traffic Accident Investigators, Winter 2009.

Is the Whiplash Threshold Really 3 mph? Henderson. B, Hoyes. P,

Presented at the Forensic Science Society Spring Conference, York, April 2010.

A Study and Comparison of the Effects of Low Speed Change Vehicle Collisions on the Human Body 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.

Measurement of Vehicle Height Changes Under Maximum Braking Henderson. B; Hoyes. P; Hall. M,

Published in "Impact", Journal of the Institute of Traffic Accident Investigators, Spring 2014.

A Study into the Propensity for Exhaust Gas Ingress into a Vehicle as a Result of Collision Damage

Henderson, B., Hall. M, Hoyes. P.

Published in the International Journal of Vehicle Safety, Vol. 8, No 3, 2015.

MEMBERSHIP OF PROFESSIONAL BODIES AND LEARNED SOCIETIES

I am a Chartered Engineer with the Engineering Council, a full member of the Institute of Mechanical Engineers (IMechE), full member of the Chartered Society of Forensic Sciences (CSFS) and a vetted Sweet and Maxwell registered expert witness.

