CURRICULUM VITAE

Russell Danton BSc

INTRODUCTION

Mr Russell Danton is a forensic collision investigator with a degree in Applied Science and Forensic Measurement and over 18 years' professional experience, his expertise covers all aspectsof collision investigation, reconstruction and research topics relating to collision investigation and road safety.

CASEWORK OVERVIEW

- Over 18 years' experience in collision investigation and research
- Extensive court experience (inc. High Court) in UK and IRE
- Published author of peer reviewed scientific research papers and research project reports
- Pedestrian, cyclist, motorcycles, cars, LGVs, seat belt usage highway structures
- Locus inspections
- EDR data download and retrieval
- Computer simulation, CCTV Analysis and 3D modelling

ACADEMIC CREDENTIALS AND PROFESSIONAL AFFILIATIONS

Qualification	Location	Date
BSc (Hons) Applied Science and Forensic Measurement	University of Teesside	(1998 - 2002)
Accredited Qualification: Forensic Collision Investigation Techniques	AiTs & De Montfort University	2006

SPECIALISED QUALIFICATIONS

Qualification	Location	Date
Advanced Collision Investigation Techniques	Loughborough University & Nottinghamshire Police	2004 -2006
Expert Witness Training	Forensic Science Service	2003
Introduction to Road Safety Audit Training	TMS Consultancy	2009
PC Crash & AI Damage	AITS & Hannover University	2005 to 2008
Hybrid and High Voltage Safety Training	Training 2000 – IMI Level 1	2017
Bosch CDR Operator Technician	TR Darts Netherlands	2020
Video Analysis in Collision Reconstruction	FCIR/ITAI Accredited Training	2022
Advanced Analysis of Driver's Response (Human factors in traffic crashes)	J.W. Muttart/ ITAI Accredited Training	2022

PROFESSIONAL PROFILE

Mr Russell Danton is a Forensic Collision Investigator for GBB with over 18 years' experience of working in the field of collision investigation for research and litigation purposes. He applies his knowledge of collision investigation techniques to the investigation, analysis, and reconstruction of road traffic collisions involving large goods vehicles, passenger cars, motorcycles, bicycles, pedestrians, and the highway infrastructure.

Mr Danton has given evidence in court for civil proceedings in the UK and Ireland, working with many major UK and Irish solicitors and insurance companies.

Mr Danton's expertise covers all aspects of collision investigation; however, he specialises in serious collisions involving pedestrians, cyclists, seat belt usage and passenger vehicles. Mr Danton is also experienced in conducting locus inspections to identify potential highway features or issues that may have contributed to the collision circumstances. This also includes conducting laser surveys of incident scenes to provide further resources for a full reconstruction of a collision.

Since 2019 Mr Danton has been focussing on the large loss and complex investigations with GBB, conducting vehicle and locus inspections with photogrammetry and laser scanning techniques and providing full accident reconstruction reports for insurers and solicitors for use in Civil litigation or by providing initial reports and advice note for early case settlements or insights.

Mr Danton has been involved in many areas of transport related research which include vehicle-vehicle collisions vehicle-pedestrian collisions, child occupant safety, highway design and safety features, LGV and left-hand drive LGV collisions, and providing collision reconstruction evidence to base the current Autonomous Emergency Braking (AEB) systems rating tests on. He has also witnessed crash tests involving pedestrian dummies, cars, LGVs, barriers and street furniture.

He has authored and has been involved in peer reviewed published research relating to various areas of accident investigation. He has presented his research at national and international conferences in addition to being a member of technical review panels for European research projects.

PUBLICATIONS

Details		Date
Cuerden, Richards, **Danton**, Hill, and Ashton (2007) *"A Comparative Review of Pedestrian Injury Severity with Respect to Car Impact Speed",* Project Report for the Department for Transport		April to September 2007
Lenard, Maguire, **Danton**, Reed and Morris (2008) *"The True Effect of the HGV Headlamp Aim Pattern",* Project Report for the Department for Transport.		November 2008
Danton, Kirk, and Hill (2009) *"Mainland European Truck Accidents in the UK – Key Issues for Drives",* Enhanced Safety for Vehicles (ESV) 21st Conference. Stuttgart, Germany.		June 2009
Lenard, **Danton**, Hill (2010) *"Accident Data Study in Support of Development of Autonomous Emergency Braking Test Procedures".* Also presented at the Enhanced Safety for Vehicles (ESV) Conference, 2011, conducted in association with the Thatcham Research Centre		2009 to 2011
Lenard, Badea-Romero, **Danton** (2014) *"Typical Pedestrian Accident Scenarios for the Development of Autonomous Emergency Braking Test Protocols"*, Accident Analysis and Prevention, Elsevier		2014
ESV Conference Speaker	Stuttgart, Germany	2009
IFIG Conference Speaker	Liverpool, UK	2013
Lenard, Welsh, **Danton** (2018) *"Time-to-collision analysis of pedestrian and pedal-cycle accidents for the development of autonomous emergency brakingsystems"*, Accident Analysis and Prevention, Elsevier 115 (2018).		2018

EXPERIENCE AND EMPLOYMENT

Position	Location	Date
Forensic Collision Investigator	GBB (UK) Limited	2011 to present
Research Scientist/Collision Investigator	VSRC, Loughborough University	2004 to 2011
Forensic Scientist	Forensic Science Service	2002 to 2004

CURRENT RESEARCH

Mr Danton's current research activities include vehicle data downloads, photogrammetry, laser scanning andcomputer modelling.