



INVESTIGATION | ENGINEERING | RESEARCH

## CURRICULUM VITAE

### DANIEL MALLON – BSC(HONS) GRADWELDI

#### PROFESSIONAL PROFILE

Daniel Mallon is a Bachelor of Forensic Engineering and a Forensic Collision Investigator of GBB (UK) Ltd. He has dedicated his career to forensic investigation, analysis and engineering.

He is trained in the location and identification of evidence at a forensic level and applies his academic background in the examination of materials and engineering structures to carry out vehicle examinations and to investigate the formation of respective damage profiles.

He has been continually involved in direct research including full scale collision testing and the use of collision simulators since 2007. This ongoing research programme investigates the link between vehicle damage, impact speed, speed change and effects on vehicle occupants. In order to experience first-hand the difference in the magnitude of collisions and the resulting movement caused by them, he has experienced speed changes ranging from 2 to 9mph. He has dismantled and examined crash test vehicles pre and post collision, to establish the structural reactions to impacts. The findings from this research have been presented and published internationally.

He is dedicated to the investigation of this field and as part of his continued development he continually considers international research and technical papers on the topic.

The ongoing research programme at GBB (UK) Ltd stands alone in the UK as the only study that utilizes human volunteer occupants. This independent and self funded research has been published and presented internationally.

Daniel routinely physically inspects vehicles and utilises his experience to assess the damage sustained and consider the consistency of the damage between vehicles, with the incident circumstances and with the laws of physics. His expertise in the comparison of collision damage profiles has been utilised by UK police forces.

His work on the impact testing of arc brazed spot welding was utilised in a doctorate investigating alternative materials use in the manufacture of vehicle chassis and components.

He is a member of the Welding Institute, having completed examination on the subject of welding manufacturing processes and weld related defects.

He has undergone training in the preparation and presentation of written and oral evidence to the court by Sheffield Hallam University and The University of Central Lancashire.

Mr Mallon has provided evidence for both civil and criminal proceedings working with UK police forces, major solicitors and insurance companies.

He has been recognised as an expert in the UK and Irish County Courts and the High Court of Justice of Northern Ireland.



INVESTIGATION | ENGINEERING | RESEARCH

## ACADEMIC CREDENTIALS AND PROFESSIONAL AFFILIATIONS

Qualification	Location	Date
BSc (Hons) Forensic Engineering	Sheffield Hallam University	(2001 - 2005)
Certificate in Welding Related Defects	The Welding Institute	2005
Graduate Member of The Welding Institute	-	2005

## SPECIALISED QUALIFICATIONS

Qualification	Location	Date
Volume Crime Scene Examination	Police National Training Centre	2006
Expert Witness Training	University of Central Lancashire	2012

## EXPERIENCE AND EMPLOYMENT

Position	Location	Date
High Voltage Laboratory Technician	Pirelli Cables	2003 to 2004
Volume Crime Scene Investigator	Lancashire Constabulary	2005 to 2007
Forensic Collision Investigator	GBB (UK) Limited	2007 to present

## GBB (UK) LTD RESEARCH AND TRAINING

Details	Date
Forensic Collision Investigation Training	2007
Crash Test Day – Low Speed Impacts, Vehicles of Largely Differing Mass, Perpendicular Contacts and Partial Collisions	June 2009
Crash Testing – Reversing Collisions with Largely Differing Mass	August 2011
Testing - Occupancy Movement Under Braking – Double Deck Bus	November 2011
Crash Testing – Occupancy Movement in Fairground Bumper Cars	March 2012
Training Day – CDC Damage Appraisal, Bumper Regulations, Restitution, Acceleration and Occupant Movement.	June 2012
Training Day – Claims Portal and Jackson Reforms	September 2013
BPP University - Civil Procedure Rules and Jackson Reforms	October 2013
Testing - Occupant Movement During Kerb Impacts	October 2013
Training Day – Report Preparation, Force Analysis	December 2013