

EXPERIENCE, QUALIFICATIONS, APPOINTMENTS and SPECIALIST FIELDS

Mr Robert George WAGSTAFF BSc, DipPhys, Cert Comp Math (Open), LCGI, MITAI

I am a qualified independent Forensic Collision Investigator and Vehicle Examiner.

I hold an Open University Bachelor of Science Degree specialising in Maths, Physics and Engineering Mechanics (BSc).

I hold an Open University Diploma in Physics (DipPhys).

I hold an Open University Certificate in Computing and Mathematics (Cert Comp Math (Open)).

I hold the Licentiateship of the City and Guilds Institute (LCGI).

I am a Member of the Institute of Traffic Accident Investigators (MITAI).

I was previously registered with the Council for the Registration of Forensic Practitioners in the specialist discipline of Road Transport (Collision Investigation and Vehicle Examination).

I am trained as a Collision Investigator at Standard and Advanced levels holding a City and Guilds Certificate in this field.

I am also trained to levels II and III in Tachograph Calibration and Analysis again holding a City and Guilds Certificate in this field.

I have attended a course in relation to the Digital Tachograph Technology and hold a City and Guilds Certificate in this field. I have also completed the Forensic Analysis of Digital Tachograph Data course presented by Mr K. Lloyd.

I am trained in Motor Vehicle Inspection holding a City and Guilds Certificate in this field.

I hold an Institute of the Motor Industry Certificate in relation to the examination of Large Goods Vehicles.

I have attended the Mechanics of Heavy-Duty Truck systems presented by the University of Michigan Transportation Research Institute and Cambridge University.

I am a time served Engineering Technician having received some formal training as a draughtsman, holding a TEC Certificate in Mechanical and Production Engineering, and a TEC Higher Certificate in Mechanical Engineering.

My main specialist field is the analysis and interpretation of forensic evidence and information gathered from road traffic collision scenes and incidents, examination of the vehicles involved, of the interviews of parties involved and other independent witness evidence.

I have also specialised in the analysis of Tachograph data including hour's analysis and the analysis of Digital Tachograph data in relation to speed and vehicle movements during collision events.

I was also responsible with a colleague in the introduction of applied photogrammetry techniques in survey and measuring techniques for collision investigation work. These techniques have been extended and applied effectively in 3D modelling techniques for fraudulent and staged crashes.

I have gained experience in this field over the last thirty years from attendance and investigation of actual collision scenes whilst serving as a Police Officer.

I have been a Roads Policing Officer for twenty five years and the last twenty three years I have been actively involved and have worked in the specialist role as a Collision Investigator.

In 1999, I was involved in the set up and implementation of full time dedicated Collision Investigators being attached to Road Traffic Patrol Sections, this led to the formation of a

dedicated Collision Investigation Unit which was formed in 2002, where I served as the Senior Collision Investigator with Bedfordshire Police.

In 2011 I was involved in the collaboration of the Collision Investigation Units between Bedfordshire and Hertfordshire Police and again served as the Senior Collision Investigator for the unit. In the final stages of my career the tri-Force unit was developed between Bedfordshire, Cambridgeshire and Hertfordshire, where I was the senior Collision Investigator.

On commencing leave from the Force I have set up my own consultancy and have remained active in the field to the present day. I have investigated and been involved in over 850 incidents over the last twenty three years.

In addition to my Police Role I have acted as an assessor for the Institute of Traffic Accident Investigators.

I have also been actively involved in Road Safety initiatives in particular the award winning 'More 16' and 'More Drive' courses run by Amey on behalf of Mid-Bedfordshire County Council, where young drivers between the ages of 16 to 30 years are targeted with training courses at the Millbrook Training Ground.

I am also the External Examiner for De Montfort University overseeing their UCPD, Cert HE and FDS Sc degree courses in Forensic Collision Investigation.

I have lectured to the Royal Chartered Institute of Surveyors (RCIS) in London and at the RolleiMetric Conferences in Germany with my role in the development of photogrammetry within the Collision Investigation role.

Training, Experience and Qualifications include the additional disciplines:

I have attended Courses on Basic Electronics, ABS Brakes, HGV ABS Brakes, 'SRS' Air Bag and Seat Belt Pretensioners, Tyre Technology, the Michelin Police Technical Tyre course and a LGV Examiners Course.

I have attended the RAC Body Control Course.

I am trained as a Class 1 Police Advanced Driver and also hold licences to drive motorcycles and hold a vocational C+E LGV Licence.

I am trained in survey techniques using a Theodolite Total Station and associated computer programs.

I am trained in survey techniques using a REIGL Laser Scanner and associated computer programs dealing with point cloud data sets.

I have attended a Relmo Training Course and I am an authorised and approved user of the software. Relmo is a digital terrain mapping system used in conjunction with survey data to produce both 2D and 3D plans and animation sequences.

I am also trained in the 'RolleiMetric 'CDW' and 'MSR' Survey System' and the associated computer programs.

I have also received training in the use of PhotoModeler program, which is another Photogrammetry system enabling 3D survey measurement to be made from photographic imagery.

I have received training in the analysis of vehicle accident damage by a computer program known as 'AI Damage'. I have also attended an Advanced Course for this program.

During the period that I have been involved in Road Collision Investigation, I have continued to expand my knowledge of the subject. I familiarise myself with new legislation, technology and evolving relevant issues by personal research and by regularly attending Expert Witness Conferences, Seminars, Training Courses and crash testing / vehicle handling test days.

I maintain a portfolio of continuing professional development.

PROFESSIONAL QUALIFICATIONS

Licentiate of the City and Guilds Institute

Membership of the Institute of Traffic Accident Investigators