

Eur Ing Dr. Robert Brown
BEng (Hons) PhD CEng MIET IntPE (UK)
Chartered Electrical Engineer

Address: 8 Oak Grove, Thurcroft, Rotherham, South Yorkshire S66 9EZ
Telephone: Land: 01709 739228 E-mail: robert.brown@bralsfordbrown.com
Mobile: 07976250624

Expert/Specialist Field

A world expert in the operation and design of electrical fuses, circuit breakers and other electrical fault protection systems, specialising in how these devices operate in domestic and industrial systems with relevance to the faults generated by domestic appliances and industrial equipment.

Also an expert in the design and operation of electrical and electronic control systems for domestic and industrial environments including cable wiring, electrical current switching, electrical power generation and utilisation, automatic (computer) control of domestic and industrial process.

Career History

Bralsford Brown and Associates Bralsford Brown and Associates Limited, as a company providing a source of expert witnesses who can offer expert guidance, support and assistance to the legal profession in the fields of plumbing and heating, electrical, electronic and mechanical engineering fields. Senior Partner <ul style="list-style-type: none">Established the company with senior partner Russell Bralsford, a licentiate master plumber and heating engineer. Specialist in the field of electrical, electronic and control engineering in domestic and industrial domains	2011 – to date
SensSystems Limited, Sheffield South Yorkshire. S60 5WG A research and consulting organisation investigating, designing and constructing innovative electrical, electronic and process control solutions for domestic and industrial applications. Technical Director <ul style="list-style-type: none">Established the company to provide support to clients involved in domestic, continuous process and batch production environments, designing electrical and electronic systems, to improve domestic and industrial environments, product flow and manufacture.	2007 – 2013
C.B. Kaymich and Co Limited, Sheffield. A company supplying integrated components to the tobacco sector. Principal Electrical/Electronic Engineer <ul style="list-style-type: none">Responsible for devising, creating, implementing and installing electrical /electronic control solutions.	2006 – 2007
Sarclad Limited, Chesterfield, Derbyshire. A manufacturer of heavy industrial monitoring instruments for the steel industry selling to a global market Research and Development Engineer <ul style="list-style-type: none">Responsible for research, development, testing and commissioning of electrical/ electronic control elements, associated with large monitoring equipment used within the steel industry	2005 - 2006
Monition Limited, Worksop, Nottinghamshire. S80 3EH A specialist engineering consultancy supporting domestic and manufacturing industry by monitoring, analysing and increasing the energy efficiency of domestic environments and industrial production performance by the addition of new electrical/ electronic control systems Research and Development Manager <ul style="list-style-type: none">Fully responsible for the companies research and development function and head of collaborative national and international projects.	2000 - 2005

Early Career

Tata Steels (Formally British Steel Corporation), Rotherham.

1979 – 1993

- Electrical/Process Control Maintenance Engineer

Professional Qualifications

Ph.D.	Electrical Engineering - Sheffield Hallam University Thesis title: Investigations into Disintegration and Arcing in Electric Fuses.
BEng (Hons)	Electronic Systems and Control Engineering. – 1 st Class Honours Sheffield Hallam University.
CEng	Chartered Electrical Engineer - UK Engineering Council
Eur Ing	European Engineer – FEANI - European Federation of National Engineering Associations
IntPE(UK)	International Professional Engineer - UK Engineering Council Register
MIET	Member - Institution of Engineering Technology
MSEW	Member - Society of Expert Witnesses

Case History

Date	Claimant/Defendant	Solicitors LLP	Private Instruction	Single Joint Expert	Description
April 2012	De Wet / CCE (Bury) Limited	Lyons Davidson		Yes	Quality of recent house re-wiring
May 2012	Park Hall Academy. / Solihull MBC		Yes		Operation of computer laptop Battery charging procedure
Oct 2012	Marshall / Retail Installations Services Limited	Lyons Davidson			Installation and operation of solar energy generation system (solar panels etc)
Oct 2012	Dillon / Atlantic Electric and Gas		Yes		Dispute over excessive bill for energy usage
February 2013	Bittacy Court Resident Association v Barnet Homes Limited		Yes		Investigation into the standard and quality of antique housing cables. Upgrading being imposed on property owners by the local council
March 2013	Adams/Leeds City Council	Switalskis Solicitors			Investigation into properties electrical heating system and possible inefficiencies.
March 2013	Cadman v Wakefield Housing Trust	Heptonstalls Solicitors			Claim for negligence by landlords for faulty residence lighting
April/May 2013	McGill Electrical, Day International / HSE	Brechin Tindal Oatts			Industrial accident, actions be taken against companies by HSE
May 2013	Hird/Carter Electrics	Lyons Davidson			Determine the causation of a fire started with a household consumer unit.
June 2013	Robinson, Johnson / Southern Water Services	Mayo Wynne Baxter			Causation of failure of sewage pumping station
July 2013	Singh/Aga		Yes		Failure of Fridge Freezer. Claim for replacement against manufacturer
August 2013	Haddock v United Utilities	Lyons Davidson			Determine the causation of fire within a domestic consumer unit
September 2013	Ken Brook-Chrispin		Yes		Dispute with electrical engineers for poor workmanship and incompleteness of duties to specification
October 2013	Walter Guy		Yes		Check validity of electrical worthiness certificates
November 2013	Regina v Neil Hoult	Dennings Solicitors Limited			Defence expert in a case involving a fatal electrocution
November 2013	Laycock v Andrews Letting and Management Limited	Smith Jones Solicitors			Claim for negligence by landlords for faulty residence lighting
December 2013	Wood v Saffron Housing Trust	Shelter Legal Services		Yes	Claim for negligence due to poor electrical maintenance of an extractor fan, the causation of a kitchen fire.
December 2013	Regina v Hughes	Ann Blyth Cook Solicitors			Analysis of electrical equipment used to extract electricity from a utility supplier.
December 2013	Hydrophath Holdings Limited v MSL Oilfield Services Limited	Trethowans LLP			Confidentiality dispute. Heard in the High Courts of Justice, Queens Bench Division, Technology and Construction Court

December 2013	Electrium Sales Limited v Havells (India) Limited	King and Spalding		Claimant requesting payment of losses from proposed faulty design of miniature circuit breaker – Heard in the International Court of Arbitration of the International Chamber of Commerce.
December 2013	Weatherford v Hydropath		Yes	Intellectual property dispute. Analysis of technology to determine technologies used in products.
January 2014	Regina v Stewart	Grainger Appleyard		Prosecution for manslaughter, focussing on the fatal electrocution of one party whilst attempting to steal electric cables.
January 2014	O'Melia -v The Six Acres Public House	Switalskis Solicitors		Personal injury claim due to electric shock received from a glass washing machine.
February 2014	Ann Perkins		Yes	Storage Heaters.
March 2014	Dr R Ibrahim & Dr N Vadgama	Lyons Davidson		Inspection of electrical installation.
June 2014		Derbyshire Trading Standards		Miss-information of fiscal savings on the cause of solar panel operations.
June 2014	Ms Julie Hall	Ramsdens		Circumstances surrounding the proposed malfunction of circular saw.
July 2014	Mr Andrew Frampton	Parry & Company		Electric shock from electrical apparatus.
August 2014	Mary Derry	Keith Flower & Co		Upgrading of a distribution board to accommodate additional electric supplies.
September 2014	Neil Martin – Three Tuns Public House		Yes	Examine and identify fault in extractor system in commercial kitchen.
September 2014	Keith Boxall		Yes	Paper shredder explosion.
September 2014	Crown v Christopher Perkins	Ronald Fletcher Baker LLP		Export of electronic equipment without export license.
September 2014	Chris Whittle	Lewisham Borough Council		Child abuse – fan heater misuse.
September 2014	Jacquelyn M Stavish		Yes	Erroneous electricity charges check for validity.
October 2014		Vale of Glamorgan Trading Standards		Poor electrical and plumbing installation.

Joint Cases (Mechanical and Electrical with Mr Russell Bralsford)

April 2012	Acs / Medes	Lyons Davidson		Claim for overcharging and excessive property damage incurred during heating system installation and electrical rewire
February 2013	Caldervale Council v Zaheer	Ramsdens Solicitors		Child abuse claim/ personal injury
March 2013	Holland v Whitegates	Switalskis Solicitors		Investigation of possible CO poisoning
April 2014	Sharron Taylor		Yes	Attributes of under floor heating installation.
October 2014		Vale of Glamorgan Trading Standards		Poor electrical and plumbing installation.

Publications

- Unduloid Formation and the Causation of Current Interruption in Current Carrying Wires.** - International Conference on Electrical Fuses and Their Applications - Turin, Italy, Sept. 1999
- An Opto-electronic Camera for Non-invasive Investigation of Arcing in Short-circuit Current-carrying Conductors and HBC Fuse Elements.** - IEE Proceedings, Science and Measurement Technology, Vol. 150, No3, May 2003
- An Expandable Vibration Monitoring Solution for the Complete Range of Manufacturing Businesses.** - International Congress and Exhibition on Condition Monitoring and Diagnostic Engineering. - Vaxjo, Sweden, August 2003
- A Bifurcated Beam Opto-electronic Camera for Investigation of Phenomena Associated with Fast Rising Arc Voltage.** - International Conference on Electrical Fuses and Their Applications, Gdansk, Poland, Sept. 2003

Time Correlated Techniques to Investigate Arcing Dynamics about the Peak Voltage instant during Current Interruption in Sand Filled Fuses using an Optical Spectrum Analyser. - International Conference on Electrical Fuses and Their Applications, Clermont-Ferrand, France September 2007	9/2007
Saving Money with Intelligent V-belt Monitoring, - Design Products & Applications (DPA) – Trade Journal	3/2009
Monitoring V Belts can save Thousands - Drives and Controls – Trade Journal	2/2009
Time to Tighten your Belts - Energy Management – Trade Journal	3/2009
Monitoring Via Mesh Networks, - Industrial Plant and Equipment– Trade Journal	5/2010
The Development of an Electronic System to Continually Monitor, Indicate and Control, ‘Belt Slippage’ in Industrial Friction ‘V’ Belt Drive Transmission Systems COMADEM - 25th International Congress on Condition Monitoring and Diagnostic Engineering Management 25th International Congress on Condition Monitoring and Diagnostic Engineering Management, University of Huddersfield.	6/2012
An Electronic System to Detect the Acoustic Emissions Generated by a Friction Drive Belt System in Order to Derive an Indication of Belt ‘Dynamic’ Efficiency COMADEM - 26th International Congress on Condition Monitoring and Diagnostic Engineering Management 25th International Congress on Condition Monitoring and Diagnostic Engineering Management, Helsinki, Norway	6/2013

Other Information

Date of Birth: 14 November 1958

Interests

Formula 1 motor racing

Outdoor activities especially hill walking and scrambling, golf and fishing.

Brass band enthusiast, a freelance tuba player playing for many top class brass bands

Travelling and reading any books associated with travel.

Reading popular science, mountaineering and adventure books and autobiographies.