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Profile

I am a versatile, dynamic and enthusiastic individual; with a broad knowledge base and the ability to adapt quickly and successfully to new challenges. I have a strong analytical mind when faced with a problem or a project specification and I am able to communicate well with people at all levels.

A keen interest in science, technology and engineering in the world around us gives me the aptitude to engage technical assignments with a passion both in the workplace and at home where I often have personal projects on the go.

I have an affinity with motor vehicles developed from my early years, growing up with cars and motorcycles.

I am willing to travel and am able to work sympathetically with different cultures around the world as demonstrated through collaboration on joint overseas projects in the Far East and Africa and through my testing work around many parts of Europe and the US.

Key Capabilities

- ✓ Industry knowledge
- ✓ People management
- ✓ Analytical Skill
- ✓ Enthusiasm
- ✓ IT literate
- ✓ Versatile

Career History to date

2013-2020 **Testing Services Manager** **Cooper Tire Europe, Wiltshire**

- Managing a team of 10 staff, split equally between on vehicle testing and rig testing; the department provides a service for our technical engineers as part of ongoing product development.
- Overseeing and providing support to our Serbian factory's testing operation.
- Forecasting, controlling and reporting the annual testing budget of around £550k
- Organising all UK and overseas testing operations and building working relationships with external testing facilities, these are predominantly MIRA in the UK, European testing at Idiada (Industry PG, Spain), Arctic Falls (Winter PG, Sweden), Test World (Winter PG, Finland) and Lommel (Ford PG, Belgium)
- Experience using Racelogic VBox 3i systems
- Maintaining ISO17025 accreditation for the rig testing operation
- Lead the UK testing of NVH work (on and off vehicle)
 - Detailed tyre noise measurement & analysis on a test drum in semi-anechoic chamber
 - In cabin analysis of structural and pattern born tyre noise
- High Speed Videography of tyre operating characteristics

2013-2020 Testing Services Manager (contd)

[Cooper Tire Europe, Wiltshire](#)

- Identify potential gaps in our testing capability as new requirements evolve through technology or legislation
 - Write justification and apply for funding for new test equipment
 - Manage purchase and implementation
- Providing key metrics of testing activity to local and global management teams.
- Promoting continuous improvement culture to both testing operations
- Member of the various European and ISO working groups providing essential support in the fields of tyre noise, rolling resistance, winter testing and run flat technology to European and global legislation programs.
- Supporting our sister testing departments in Asia and North America for cross functional testing arrangement and OE vehicle testing.
- Maintaining departmental documents, procedures and EU regulatory testing documents.

**2007-2013 Product Design & Development
for Car, Van and Motorcycle**

[Cooper Tire Europe, Wiltshire](#)

- Tyre design and development for Motorcycle, Car and Van product, using CAD and in-house development tools
- Liaise with factory technical in Melksham and China during the development to ensure the product meets its design requirements.
- Member of the various European and ISO working groups providing essential support in the fields of tyre noise, rolling resistance and traction to the European and global legislation programs.
- Develop the company's noise measuring facility and measuring equipment including a revolutionary tyre cavity microphone with the assistance of a local consultant. Then embark on a two year program of continuous tyre noise research resulting in over 50 reports.

**1999-2007 Manufacturing Systems
Analyst Programmer**

[Cooper Tire Europe, Wiltshire](#)

- Senior member of the Cooper-Avon intranet development team, providing browser based reporting of manufacturing system output, some still in operation in 2020.
- Provide IT support for our team of Continuous Improvement Engineers.
- Responsible for maintaining current, and writing new manufacturing based systems operating on an Alpha server running OpenVMS.
- Consult with factory management/technical staff to develop new systems then manage the implementation. Some specific major projects are as follows.
 - System generated check lists for many factory processes that provided up to date specification based data; minimising production errors.
 - Real time defect logging and reporting system
 - Initiated company's first real time factory system for tyre uniformity reporting using data harvesting techniques from factory machines.
- Provide user training. With a wide diversity in computer ability amongst the company's employees who range from shop floor to management meant special training considerations were often necessary.

1995-2001 Commercial Tyre Designer

Avon Tyres, Wiltshire

- Through a close working relationship with polymer scientists my role was to improve existing product design, and develop new tyre ranges for commercial vehicles operating from 7.5t to 44t. This role involved use of AutoCAD combined with material strength calculation field trials and service.
- Senior member of a design team providing an Egyptian customer with their first all steel radial truck tyre manufacturing plant based in Alexandria. Spent many weeks over a three year period working in Egypt during the technology transfer process and their product range development. This coincided with my time in IT hence the date overlap.

1990-1995 Tyre Test Manager

Avon Tyres, Wiltshire

- Using my IT and electronics background I introduced instrumented tyre-testing techniques involving use of early portable computer hardware to both car and motorcycle testing.
- Initiated the first winter car tyre-testing program in the Austrian Alps, which was to involve instrumented as well as subjective testing techniques.
- Developed the company's first tyre noise analysis program using digital signal processing.
- Worked in Malaysia on a product knowledge transfer to the newly formed company Silverstone Tyres. Assisted with tyre testing techniques; the culmination of which was an OE contract with locally made Proton cars.

**1983-1990 Electronic Engineering Apprentice/
Computer Systems Undergraduate**

Ministry of Defence, Wiltshire

- First 4 years spent partly at college on block release, and partly at a dedicated MoD training centre. Training was comprehensive and also involved mechanical engineering techniques (fitting, turning, milling, shaping and welding)
- Sponsored through a three year Computer Systems Engineering Degree at Warwick University.
- Vocational training during the summer, at various Royal Navy establishments. Main project was an assessment and report of a phenomenon called the 'evaporation duct' in collaboration with the Rutherford Appleton Laboratory at Didcot. This entailed detailed and frequent measurement of atmospheric conditions using a tethered radiosonde, followed by data analysis and reporting.

Qualifications

University of Warwick

- BSc (Hons) Computer Systems Engineering

Bath Technical College / Technician Apprentice Training Centre RNSD Copenacre

- A level Maths
- ONC Electrical Engineering
- HND Electrical and Electronic Engineering

Ralph Allen School, Bath

- 6 O'levels (Maths, English, Chemistry, Physics, Tech Drawing, Computer Studies).
- 1 AO'level (Maths)

Hobbies and Interests

- ❖ Family man and father of two children.
- ❖ Photography & Videography, including the use of drones
- ❖ Fitness and wellbeing
- ❖ Weather – fascination with and data analysis
- ❖ Motorcycles and cars – all aspects

References available upon request