



# DR GUY COOPER

## FORENSIC SCIENTIST

### SPECIALISMS

- ★ Imagery analysis and enhancement
- ★ Trace evidence transfer
- ★ Alcohol BAC calculation
- ★ Footwear mark comparison

### QUALIFICATIONS

- 📖 Bachelor of Science (Hons) (1986) Chemistry with Geochemistry
- 📖 Doctor of Philosophy (1990) Crystallography

### CONTACT

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### CAREER OVERVIEW

Dr Cooper has been employed as a forensic consultant since 1995. Since 2018, the majority of his casework has been within the Imagery Team. He also has over 25 years' experience specialising in more traditional forensic disciplines, in particular footwear mark comparison evidence, the transfer of glass fragments and other particulate debris (such as paint), tool marks, physical fit evidence and other types of physical damage.

### EXPERIENCE AND EXPERTISE

Dr Cooper's caseload involves the enhancement of CCTV, phone and body-cam video footage, the comparison of people (facial comparisons), clothing and objects in photographs and video clips, and events analysis. Following industry guidelines, he has developed and moderated internal proficiency tests for the measurement of the height of a subject from such materials. As an experienced member of the team, he also authors cases involving trace evidence and alcohol BAC calculations, and performs critical findings checks and peer reviews in fingerprint cases.

Specific issues addressed include the suitability and security of exhibit handling and packaging, the suitability of tests employed, calibration of the analytical instruments used, the accuracy of any comparisons made and the interpretation of the evidence given the information available to the prosecution scientist. Dr Cooper will also interpret the available evidence in the light of the account provided by the defendant. This can involve the original examination of unused exhibits and independent testing of samples. In relation to trace particulate evidence, Dr Cooper has conducted tests into the indirect transfer of glass fragments, which can result in fragments from one location being found on clothing which has never been to that location. He has published this research in *Science & Justice* (Vol.52, 166-170 2013).

Dr Cooper undertakes regular training and development and takes part in both internal and external proficiency tests. Dr Cooper has given evidence in both Magistrates' and Crown courts in England and Wales and also further afield, in Israel and Bermuda.