CPD workshop

**Introduction to the likelihood ratio framework for evaluation of forensic evidence**

**Presenter:** Dr Geoffrey Stewart Morrison BSc MTS MA PhD FCSFC

**Funder:** Research England’s Expanding Excellence in England (E3) fund

**Target audience:** lawyers and forensic scientists

**Abstract:**

Among experts in forensic inference and statistics the likelihood ratio framework is widely regarded as the logically correct framework for evaluation of forensic evidence, but there is a great deal of misunderstanding about likelihood ratios among lawyers and forensic scientists.

The likelihood-ratio framework makes explicit the questions which must logically be addressed by the forensic scientist and considered by lawyers, judges, and trier’s of fact in assessing the work of the forensic scientist.

This workshop explains the logic of the likelihood-ratio framework in a way which is accessible to a broad audience and which does not require any prior knowledge of the framework. It uses intuitive examples and audience-participation exercises to gradually build a fuller understanding of the likelihood-ratio framework.

Versions of this workshop have previously been presented to groups of lawyers and forensic scientists, including at:

- the National Judicial College of Australia’s Expert Evidence Conference in 2011,
- the European Academy of Forensic Science (EAFS) Conference in 2012,
- the Innocence Project (New York, NY) in 2017,
- the Cook County (Chicago, IL) Public Defender Office’s Keeping up with Forensic Science
Conference in 2018, and
- a meeting of the US Organization of Scientific Area Committees for Forensic Science (OSAC) in 2019.

Participants frequently remark that, although they may have struggled in past attempts to understand the likelihood ratio framework, this workshop made it clear and easily understandable.

**About the presenter:**

Dr Geoffrey Stewart Morrison is Associate Professor of Forensic Speech Science at Aston University. He is Director of the Forensic Speech Science Laboratory in the Aston Institute for Forensic Linguistics, and Director of the Centre for Forensic Data Science in the Computer Science Department. His past appointments include Simons Foundation Visiting Fellow, Probability and Statistics in Forensic Science Programme, Isaac Newton Institute for Mathematical Sciences; Scientific Counsel, Office of Legal Affairs, INTERPOL; and Director, Forensic Voice Comparison Laboratory, School of Electrical Engineering & Telecommunications, University of New South Wales. He has published numerous peer-reviewed journal articles, and has been a Subject Editor and Guest Editor for the journals *Speech Communication* and *Science & Justice*. He is a member of the British Standards Institute (BSI) and the International Organization for Standardization (ISO) forensic science committees. More information about his work can be found at: http://geoff-morrison.net/

**Location:**

Susan Cadbury Lecture Theatre, Aston Business School, Aston University, Birmingham, B4 7ER, UK
https://goo.gl/maps/GoLza3eLTjH47pnD9

**Date and time:**

Monday 4 November 2019, 09:45–16:00
Registration:

Registration by the deadline is obligatory. The registration deadline is Sunday 20 October 2019.

Registration is free and includes lunch.

We incur costs for each registered participant. Please only register if you are sure you will attend. If you have registered but are then unable to attend, please cancel your registration as soon as possible.

To register, follow this link.

https://www.eventbrite.co.uk/e/intro-to-the-likelihood-ratio-framework-for-evaluation-of-forensic-evidence-tickets-74667619861