

PLAIN IMPRESSIONS

TWO THUMBS impressions taken simultaneously

Fingerprint Associates Limited Training Courses



Fingerprint Associates Limited

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Understanding the problems and supplying the solutions....

With over 43 years fingerprint experience within the Company from both a practitioner level through to the management of an entire Fingerprint Bureau and Chemical Development facility, we offer bespoke training packages which are adapted to fulfil the needs of the Client.

As no two organisations are the same their needs will also be different, so as there is no 'one size fits all' scenario, our Courses can be altered either by duration or content dependent on the requirement of the organisation and the abilities of the Students.

Whilst the 'core' of Fingerprint Associates Limited is seemingly small, we have a cadre of highly qualified Consultants and Trainers from a wide pool of specialisms available who work with us.

From Crime Scene Examination, Major Crime Scene Management, Fingerprint Development, Expert Comparison, Shoemark Coding and Comparison, General Forensic Science work and Specialised Forensic Science Work through to Court Presentation Skills, we can assist you.

Recent contracts have taken us worldwide, literally.

From establishing a Fingerprint Bureau for an organisation in Nigeria for staff that had no fingerprint knowledge through to the provision of refresher training in chemical development to the South African Police and the Carribean, the challenges have been exciting but achievable.

However a large part of our work is not in training or even overseas. Fingerprint Associates Limited is one of the United Kingdoms most respected Independent Fingerprint Consultancies, providing the Criminal Justice System with not only a 'fresh' eye at disputed fingerprint evidence, but the ability to provide a complete holistic 'cradle to grave' approach to fingerprint development in our own facility, through to the comparison and analysis of fingermarks and the provision of Expert Witness Reports for the Courts.

Fingerprint Related Courses

Chemical Treatment and Development - Basic Course:

Duration: 2 weeks

Target Audience: New starters and persons returning to the Laboratory after prolonged periods of absence

Content:

It will cover all aspects of:

- Sweat
- What is a fingerprint?
- The Persistence of Friction Ridge Skin
- Naming Protocols
- Fingerprint Patterns
- Ridge Characteristics
- Good working practices
- A Daily Workflow Chart
- Health & Safety
- Sequential Treatment Charts
- Powders
- Cyanoacrylate (Superglue)
- Fluorescence Examination
- Basic Photography of Developed Friction Ridge Detail

All aspects of this course follow the recommendations of the UK Home Office Centre for Applied Science and Technology (now DSTL).

Assessment: All assessments for this course are undertaken by both practical and theory examinations.

It is assumed that the Client has the facilities either in house, or at a local institution to enable this course to proceed. In certain circumstances it may be possible to loan / rent equipment from certain manufacturers of specialist cabinets and filtration systems.



Chemical Treatment and Development - Advanced Course:

Duration: 2 weeks

Target Audience: Fingerprint Development staff with practical working experience in an operational laboratory

Content: Enhancing on the knowledge base and skills gained on the Basic Course.

It will aim (where available locally) to cover all aspects of:

- Sequential Chemical Development
- Working with Fluorescence
- Wet Powders and Powder Suspensions
- Blood reagents
- Chemical Treatments at a Crime Scene
- Fluorescence Photography

All aspects of this course follow the recommendations of the UK Home Office Centre for Applied Science and Technology (now DSTL).

Assessment: All assessments for this course are undertaken by both practical and theory examinations

It is assumed that the Client has the facilities either in house, or at a local institution to enable this course to proceed.

In certain circumstances it may be possible to loan / rent equipment from certain manufacturers of specialist cabinets and filtration systems.

Fingerprint Training - Initial Course:

Duration: From 3 weeks +

Target Audience: For Students who have no practical experience in Fingerprint Identification

Content: The content of this course will include:

- Seeing if you have a natural aptitude for fingerprint comparison
- Taking a set of inked Finger & Palm prints
- Evolution & Fingerprint History
- The Development of Friction Ridge Skin
- The Persistence of Friction Ridge Skin
- Other 'Damage' and 'Deformity'
- Post Mortem
- Basic Nomenclature (naming protocols)
- Fingerprint Patterns
- Palms
- Identification
- Verification
- Ridge Tracing & Counting
- Analysis, Comparison & Evaluation
- Fingerprint Standards
- Understanding an AFIS
- In the day's 'BC' (before computers)
- Ethics & Cognitive Bias
- Working with Latents
- The make up of Sweat

Assessment: All assessments for this course are undertaken by both practical and theory examinations



It is assumed that the Client will provide the basic equipment necessary to enable this course to proceed, such equipment as magnifying glasses, adequate seating, desks and lighting (table lights)

Fingerprint Training - Intermediate Course:

Duration: 2 weeks +

Target Audience: For Students who have attended the Initial Fingerprint Course

Content: The content of this course will include:

- Palm - a more in-depth look
- Post-Mortem / Cadaver Printing
- ACE-V & documentation
- Poroscopy and Ridgeology
- The importance of Verification
- An introduction to evidence preparation

Assessment: All assessments for this course are undertaken by both practical and theory examinations

It is assumed that the Client will provide the basic equipment necessary to enable this course to proceed, such equipment as magnifying glasses, adequate seating, desks and lighting (table lights)



Fingerprint Training - Advanced Course:

Duration: 2 weeks +

Target Audience: For Students who have attended the Initial and Intermediate Fingerprint Course

Content: The content of this course will include:

- The underpinning of all accumulated knowledge so far gained
- Prepare and present Fingerprint Evidence
- Have the confidence to speak publicly and to take and answer technically biased questions.

Assessment: All assessments for this course are undertaken by both practical and theory examinations

It is assumed that the Client will provide the basic equipment necessary to enable this course to proceed, such equipment as magnifying glasses, adequate seating, desks and lighting (table lights)

Fingerprint Training - Advanced Refresher Course:

Duration: 1 week

Target Audience: For Students who have achieved 'Expert' status

Content: The content of this course will include:

- Have a better understanding of the potential detrimental effect of any cognitive bias in fingerprint comparison working.
- Understand how important the impartial verification of an identification actually is.
- Formulate strategies to deal with situations when disagreement occurs between Experts.
- Have a better understanding of Poroscopy and Ridgeology.
- Practice the correct determination of palmar areas of friction ridge detail by means of the minor creases.
- Understand how ACE-V affects normal working situations and how it can assist in evidence preparation.
- The ability to will refresh their skills and knowledge in statement writing, evidence preparation, the production of visual aids and the presentation of evidence in a Mock Court scenario

Assessment: As Students have already achieved Expert Status, there will be no formal assessment process. However, at the completion of the course a certificate of attendance will be issued.

It is assumed that the Client will provide the basic equipment necessary to enable this course to proceed, such equipment as magnifying glasses, adequate seating, desks and lighting (table lights)

Fingerprint Training - Courtroom Skills Course:

Duration: 1 week

Target Audience: Students who wish to hone and enhance their courtroom skills

Content: An intensive week of practical experience of presenting evidence in a Court.

Assessment: There will be no formal assessment process. However, at the completion of the course a certificate of attendance will be issued.



Automatic Fingerprint Identification System Skills

Duration:

1 week if previous knowledge of AFIS is present.

2 weeks if no previous knowledge of AFIS held

Target Audience: Students who wish to either hone and enhance their AFIS skills or new starters who wish to use an AFIS for the first time.

Content: The content of this course will include:

- The history of AFIS
- Understanding it's possibilities and limitations
- How the algorithm works
- The importance of image quality, orientation and contrast / brightness
- Searching techniques
- Digit determination

This course is designed to include many practical sessions utilising both fingerprint forms (TP's) and latent areas of friction ridge detail (LT).

There would be a requirement for system access rights be granted for all students.

Assessment: There will be no formal assessment process. However, at the completion of the course a certificate of attendance will be issued.

Training the Trainer

Duration:

2 weeks

Target Audience:

Persons who will be tasked with undertaking specialist skills training.

Content:

The content of this course will include:

- Understanding Inter-professional and adult learning styles and principles
- Understanding the different learning and teaching styles
- Understanding how to teach a practical skill
- Understanding how to give feedback
- Understanding how to ensure effective group work
- Understanding how to plan learning sessions, to include aims, objectives, and outcomes
- Understand how to manage difficult behaviours in groups
- Understand how to evaluate

Many practical sessions are also part of this course.

Assessment:

There will be no formal assessment process. However, at the completion of the course a certificate of attendance will be issued.

Curriculum Vitae - David Goodwin

Personal Profile

I am an enthusiastic and focused professional who relishes new challenges that embrace and encompass my training as a Fingerprint Expert. With over 43 years' experience in the identification of individuals, I am also a trained and experienced Crime Scene Examiner, Crime Scene Manager and trainer in both Fingerprint Identification skills, from foundation to advanced levels and Fingerprint Development Laboratory skills having passed the FERRT Course in 2004 and had direct line management of the Fingerprint Development Laboratory at Northamptonshire Police.

I am a Fellow of the Chartered Society of Forensic Science and also a Fellow of the Fingerprint Society.

Career History

I am the former Head of Fingerprint Services for Northamptonshire Police and I established and managed a United Kingdom Fingerprint Bureau for over 19 years. This Fingerprint Bureau had 18 professional members of staff with a range of specialisms and with a budget of £750,000 per year. Whilst employed by Northamptonshire Police and also the Metropolitan Police I was registered with the Home Office as a Fingerprint Expert (registration number 568).

I have been working with AFIS systems since the early 1980's when the first one was installed for the Metropolitan Police at New Scotland Yard and during my career with Northamptonshire Police, I project managed 3 separate installations of AFIS and Livescan implementations. It will be seen below, that in 1992 I received a Chief Constables Commendation for my work on the implementation of an AFIS system back into the UK.

In 2008, I started my own Forensic Consultancy – Fingerprint Associates Limited – the core business of which is to undertake independent reviews on disputed fingerprint evidence, instructed primarily by the Defence in the United Kingdom.

This, however, has also led me to appear in Court in Hong Kong and Nigeria and also to review cases from former British dependencies in the Caribbean. Since 2008, I have averaged 50 – 60 of these reviews per year on a wide variety of crime types and at locations covering all geographical areas of the UK.

International Involvement

Since 2008, I have also had the opportunity to undertake various projects Worldwide, these include:

Nigeria

In 2009, I was contracted by the United Nations Office on Drugs and Crime (UNODC) to establish a fingerprint capability in Nigeria for the newly formed Economic and Financial Crimes Commission (EFCC). This involved the training of the staff from a base level, the writing of procedures for that Bureau and the system acceptance testing of their AFIS system in Hamburg, Germany.

I have undertaken work on three different projects in Nigeria (outside of the UNODC project) involving the analysis of thumbprints on disputed ballot forms. This culminated in spending 7 hours in a witness box giving evidence to a Tribunal in Asaba, Nigeria.

Hong Kong

I was contacted by a UK based investigation company to offer my opinions and advice on how the Royal Hong Kong Police undertook the chemical treatment of a large number of high denomination bank notes that only yielded one mark of value. These notes were the main evidence in an alleged bribery case. After recreating the scenario in my own laboratory and developing a larger number of marks on the samples supplied, I wrote a report outlining that fact. This resulted in a Court appearance in Fanling Magistrates Court, Hong Kong to present that evidence.

South Africa

In September 2012 I undertook the training of specialists of the South African Police Service in Johannesburg on fingerprint development and specialist light sources.

Jamaica

In May 2013 I was contracted to review the training needs of the Jamaica Constabulary Force Fingerprint Department, recommendations from this visit did result in further inputs to the Jamaica Constabulary Force Fingerprint Department.

In April 2014 I was contracted, as a result of the training needs analysis undertaken in 2013 to run a series of training courses for the Jamaica Constabulary Force Fingerprint Department, consisting of Foundation level refresher training, Intermediate level 'ACE-V' and 'Ridgeology' training, an 'Introduction to Fingerprint Development using Chemicals' and Evidence preparation and presentation training.

In July 2015 I was contracted to provide a foundation fingerprint course to the Jamaican Constabulary Force Fingerprint Department for 11 Students, this course was for 4 weeks' duration and included instruction (both theoretical and practical) on the Henry System of Classification.

Qatar

In October 2104, I was contracted to provide training on fingerprint development techniques and also AFIS training for the State Security Bureau of Qatar for one month.

In January 2016, I delivered a foundation fingerprint course to the Qatar Police.

In October 2018, I delivered a foundation Laboratory Officers Course to the Qatar Police.

Somaliland

From November 2015 to January 2018, I was involved in the mentoring and training of the Somaliland Police Fingerprint Bureau and Scenes of Crime Officers attached to the Counter Terrorism Unit. This project also included the acquisition of a small AFIS and the subsequent training on this system.

Djibouti

In May / June 2017, I undertook on behalf of Interpol a review of the Djibouti National Police requirement for an automated fingerprint identification system (AFIS). During this review, it became obvious that there was a need for a small cost-effective system, and this was purchased by Interpol. As a result of this, I was further instructed to install this system and to undertake the training of the staff.

Afghanistan

In February 2018, I delivered training in a specialist imaging system to the National Directorate of Security, Kabul.

St Kitts and Nevis

In March / April 2018, I delivered a Foundation Fingerprint Course and also a Forensic Laboratory Officers (FERRT) Course to the Royal St Christopher and Nevis Police Force.

[See a short TV interview here](#)

Interpol, Lyon

In December 2018 I was contracted to construct and write the testing scripts for the evaluation of a new Automated Biometric Identification System, the testing is due to start on 2 systems during Q1 of 2019.

Mali

In July 2021, I was contracted to install and train on an AFIS solution created by Forensic Comparison Software Pty of Australia (the same system as described for Somaliland and Djibouti above). This training involved members of the Malian Gendarmerie and also the Bureau of Internal Security.

Malta

The second part of 2021 saw me delivering a four week foundation fingerprint course to the Maltese Police. This was followed a fortnight later by a two week intermediate fingerprint course and then a two week Train the Trainer Course.

West Africa

Between April and June 2022 I was contracted by CIVIPOL on behalf of Interpol and the European Union, to undertake a feasibility study of 5 West African Countries (The Gambia, Sierra Leone, Ghana, Nigeria and Liberia) to ascertain the forensic situation – with regards to fingerprint searching systems – AFIS) of those countries to see if any were eligible to become a pilot site for an integrated West African AFIS network.

Other National / International involvement

I have also undertaken pieces of work for the International Criminal Court in The Hague and in the United Kingdom have undertaken work for the Criminal Cases Review Commission and have reviewed a number of appeals against fingerprint evidence dating back many years.

I was also the 'Consulting Fingerprint Expert' to the 2012-2013 international loan exhibition, Bernini, Sculpting in Clay; at the Metropolitan Museum of Art, NY, and the Kimbell Museum, Ft. Worth, United States of America. This piece of pro-bono work involved analysing many photographs of impressed friction ridge detail contained within numerous maquette's believed to have been made by Bernini.

The result of which was that I managed to tie together pieces of work made over a 36 year period, thus disproving the theory that these maquette's were made by individual apprentices and were actually made by Bernini himself.

Other Technical Involvement:

My Company – Fingerprint Associates Ltd – also has an in-house development laboratory covering mainly 'volume crime' techniques, such as Cyanoacrylate fuming, Ninhydrin, Powders and Light Sources.

Since December 2019, Fingerprint Associates Ltd has been contracted to provide training and assistance worldwide to Foster + Freeman Ltd, a large UK based multi-national manufacturer and provider of fingerprint development and image capture stations. To date, this has seen us involved in training in:

Honduras – December 2019

Brazil – January 2020

Qatar - December 2021

Switzerland - January 2022

Latvia - February 2022

Career History

May 2008 – Present Owner / Director, Fingerprint Associates Limited

November 1989 – May 2008, Head of Fingerprint Services, Northamptonshire Police

March 1989 – November 1989, Scenes of Crime Officer, Northamptonshire Police

August 1979 - March 1989, Fingerprint Expert, Metropolitan Police

Commendations

March 1993 – Chief Constables Commendation

“David Goodwin is commended for outstanding service to operational policing by the highest level of scientific support to officers of the Force”

February 1996 – Assistant Chief Constables Commendation

“Mr Goodwin is commended for his contribution to the development of the computerised Scientific Support system. He displayed a high level of skill and dedication, largely in his own time, to produce a system which is the envy of many other Police Forces”

July 1997 – Chief Constables Commendation

“For work of outstanding quality, undertaken across two continents and completed through patience and perseverance in difficult circumstances well in excess of normal working hours and conditions. This work required considerable effort and ingenuity to overcome complex technical issues and was sustained over a six-month period to facilitate the re-introduction of the Automatic Fingerprint Recognition System to the 33 members of the AFR Consortium”

Contact Details

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