

# Park Lodge International

In partnership with  
Redhill Aerodrome Fire Service

2010  
National Vehicle Fire  
Investigation Course

**Advanced and Standard Courses**



## The aim of these courses:

To develop the skills needed to investigate vehicles involved in fire incidents. This course will be of particular interest to Police Officers of the Collision/Accident Investigation Department, Vehicle Examiners, Forensic Science Officers, Fire Officers, SOCO's, Vehicle Inspectors and Insurance Investigators. Standard Course 1 day and Advanced 2 days.

### Areas covered (S) Standard Course (A) Advanced Course:

- Arson methods (S&A)
- Causes of fires in road vehicles (S)
- Low voltage electricity (S)
- Flash points and auto ignition temperatures of various products used in motor vehicles (S)
- Static electricity (S&A)
- Impact (S&A)
- Fire Development (A)
- Setting a deliberate fire (A) inter group
- Predicting fire development (A)
- Investigations and group work (A)
- Evidence available and preservation (A)
- DNA opportunities (A)
- Fire pattern analysis (A)
- Post fire scene examination (A)
- Vehicle Fire Investigation – A systematic approach (S&A)
- Recording the fire scene (A)



**It's never easy, but knowledge and experience helps!**

### The practical approach to investigation

- Determining the fire temperature. (S&A)
- What should be considered in ascertaining the cause of fire. (S&A)
- The Role of the Fire Service.(S)
- Risk Assessments for the Investigator (S)
- Looking for evidence (A)
- Recording the evidence (A)
- Recording the fire scene (A)

## The practical sessions:

- ✓ Practical fire scenarios on fire spread (S&A)
- ✓ The chemistry of fire and flash points covering – petrol, diesel, brake fluid, liquefied petroleum gas, etc. (S)
- ✓ Extinguishing methods. (S&A)
- ✓ Group discussions on fire development, methods of deliberate fire setting (A)
- ✓ Setting a deliberate fire for the other group to investigate (A)
- ✓ Presentation including evidence gathered to course (A)
- ✓ Fire investigation on vehicles that have been involved in fire both accidental and deliberate.
- ✓ Reviews and presentations by groups. (S&A)



### Costs:

#### Standard Course:

£375 per person – maximum of 12 delegates per course. (£75 discount available for Forensic Science Society, IFE, IRTE/SOE & IAATI members)

#### Advanced Course:

£800 per person – maximum of 8 delegates per course.

***Advanced Course 18<sup>th</sup> & 19<sup>th</sup> February 2010***



Institution of Fire Engineers

### To include:

- i. Lunch
- ii. Coffee, tea and soft drinks during the day with light snacks
- iii. All instruction and handouts
- iv. Venue

VAT at the standard rate and overnight accommodation is not included.

### Location:

Located at Redhill Aerodrome close to Gatwick Airport, main line rail network and the M25 & M23 motorways. The discussions and presentations will be held in the conference room in the Conference Room. The practical sessions will be held on the Fire Training Ground.

**Local Hotel:**

The closest Hotel to Redhill Aerodrome is the Premier Inn at Salford (Redhill, Surrey) – [www.premierinn.com](http://www.premierinn.com)

Railway Station – Redhill  
Airport – Gatwick

**Course Directors:****Chris Lowe**

Chris retired from Northamptonshire Fire & Rescue Service in June 2009 where he served for nearly 31 years. He became a specialist Fire Investigation Officer for the service in 2002 and in 2004 became the Fire Investigation Manager.

While carrying out investigations himself he developed the team from two to ten investigators and established a high level of training for them all. Chris has attended Gardiner's theory, practical and development courses and has achieved an Advanced Professional Certificate in Investigative Practice to support the Fire Investigation process.

As part of his role as FI Manager he has for many years been part of the East Midlands Regional Fire Investigation Liaison Group where he contributed to regional policies and procedures in relation to Fire Investigation.

In addition to FI, Chris was responsible for establishing an Arson Task Force in Northamptonshire which he did in 2004 and these two roles offered him the opportunity to ensure closer working with the Police and Forensic Investigation teams. This partnership has evolved into a multi agency team and the close liaison and joint training have developed the skills and effectiveness of all those involved. In the last two years he has worked closely with Northamptonshire Police to develop the identification and affective recovery of forensic evidence from post fire vehicles.

Chris is a Graduate of the Institution of Fire Engineers and has presented at National conferences on the management of fire investigations, attended the IAAI Training conference in Denver 2008 and is now the East Midlands regional representative for the UK Chapter of the IAAI (International Association of Arson Investigators). Following his retirement from the Fire Service Chris has moved into the private sector to continue and further develop in the field of Fire Investigation.

**Richard Baker**

Was until recently Chief Fire Officer for Dar es Salaam, Tanzania after setting up from scratch a fully functional fire, rescue and ambulance service including a fire investigation team based on UK standards. This now covers Kenya as well and includes air ambulance response covering some 588,000 square miles. Richard was co-author of The Energy Institute's code of practice on the product and vehicle recovery of low flash products transported by road tanker and was founder of the national Vehicle Fire Investigation course which has IFE CPD points. He is an Associate Member of the Institute of Road Transport Engineers, Associate Member of the Society of Operational Engineers and an Honorary Member of the Institute of Vehicle Recovery. He is also author of the Police Blue Book on dealing with HAZMAT incidents, author of the risk management distant learning BSc programme for the University of Hong Kong, author of the Police and Forensic Science Fire Investigation handbook and Exercise Director for the Foreign and Commonwealth Office Counter Terrorism Exercises in Central and East Africa.

**Contact Details:**

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The reserve places please complete and return the booking form, thank you.

*Some of the organisations that have attended the courses since 2000*

- Avon Fire Brigade
- AXA
- Banwells
- British Airports Authority Fire Service - Heathrow
- British Airways
- Buckinghamshire Fire & Rescue
- CAA
- Chrysler UK
- Cleveland Fire Service
- Cumbria Police (SOCO)
- D & G Cars, Essex
- Defence Fire Service
- DETR (Vehicle Inspectorate)
- Dorset Police (CIU) - SOCO
- DSTL
- East Sussex Fire Brigade
- Eberspächer UK
- Edge Anderson - Ireland
- Fiat GB
- Forensic Science (Lambeth)
- GMP Police
- Hereford & Worcester Fire Service
- Hertfordshire Constabulary - SOCO
- Iron Trades Insurance
- Isle of Wight Fire & Rescue Service
- Keith Borer
- Kent Police
- Lancashire Police
- Langley Vale Recovery
- London Government Chemist
- MAN Truck & Bus
- McLaren's Toplis
- Mercedes
- NCEC
- Norfolk Police (SOCO & Traffic)
- Redhill Aerodrome Fire Service
- Renault
- Royal Ulster Constabulary (SOCO & Traffic Department)
- South Wales Fire Service
- Stafford
- Strathclyde University
- Surrey Police (SOCO & CIU)
- Suzuki
- Sussex Police (SOCO, Gatwick Airport Division & CIU)
- Thames Valley Police
- The Forensic Science Service of Northern Ireland
- Toyota Europe
- Toyota GB
- VOSA
- West Midlands Travel
- Zurich Insurance

## BOOKING FORM

<b>Organisation:</b>	<b>Contact name:</b>	
Tel No: Ext:	<b>Address:</b>	
E-mail:		
Purchase Order No:		
Fax:		
<b>Delegates Names</b>	<b>Job Title</b>	<b>Course Ref:</b>
1		
2		
3		
4		
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6		
<b>Other Information:</b>		

**Please email to:    fire@parklodge.org.uk OR**  
**Fax to 0121 345 1106**

***Other courses available:***

- **Fire Extinguisher Operation**
  - **Fire Team Training**
  - **Fire Warden Training**
- **Chemical Incident Management (First Responder)**
  - **Patrol Officers Chemical Awareness**
  - **Fire Risk Assessment**

**PLI: <http://www.parklodge.org.uk>**

**Please arrange for someone to make contact about the following course(s):**

Police/Fire Chemical Awareness		Fire Risk Assessment Training	
Chemical Incident Management		Fire Extinguisher	
Fire Investigation Consultancy		Fire Safety Consultancy	