

DEFENCE ACADEMY
OF THE UNITED KINGDOM

Cranfield
UNIVERSITY

Education & Training in Explosives

15 - 17 June 2005, at the
Defence Academy, Shrivenham, UK

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Education and Culture
Leonardo da Vinci
Pilot Projects

EU
Excort
Certifying Expertise in
European Explosives Sector

Education & Training in Explosives

Outline Programme

Wednesday 15 June

Starting at 1230 - 1400

Registration & Coffee

1400 - 1405

Conference Administration

Michael Hewetson, *Director International Symposia, Defence Academy*

1405 - 1415

Welcome & Introduction to the Theme

Professor Ian Wallace, *Cranfield University Shrivenham, UK*

1415 - 1500

Leonardo Policy in a UK Context

Phil Randall, *European & International Programmes Office*

1500 - 1530

Afternoon Tea

1530 - 1615

Developing and Maintaining Skills in the Explosive Sector

Professor Ian Wallace, *Cranfield University Shrivenham, UK*

1615 - 1700

EUExcert - a European pilot project

Erik Nilsson, *KCEM, Sweden*

Welcome Reception

Thursday 16 June

0930 - 1000

The UK Approach to Recognising Skills

David Fraser, *SEMTA, UK*

1000 - 1030

Developing National Occupational Standards (NOS) in Explosive Substances and Articles

Major (Retd) Nigel Capel and Denise Clark, *Standards Setting Board, UK*

1030 - 1100

Morning Coffee

1100 - 1130

Developing and Delivering Qualifications Based on the National Occupational Standards

John Dick and Tony Jolliffe, *Awards UK Limited, UK*

1130 - 1200

Competencies in the Explosives Sector: A Regulator's View

Evan Bale, *Health and Safety Executive, UK*

1200 - 1230

Breaking the Rules - Safely

P J Honey, W Johnson and E M Garman, *QinetiQ, UK*

1230 - 1300

Q & A Session

1300 - 1400

Buffet Lunch

1400 - 1430

Certified Vocational Education for Technicians/Engineers in companies that deal with explosives and flammable matter

Conny Johansson, *Masugnen, Sweden*

1430 - 1500

The need of training and education for explosive specialists in a decreasing but important industrial sector and why work-based training by internet is preferable for the future

Professor Dan Lloyd, *University of Linköping Sweden*

1500 - 1530

Afternoon Tea

1530 - 1600

FEX/ALLEX/FLEX

Training courses in the Scandinavian explosives industry

Hans Ahlgren, *KCEM, Sweden*

1600 - 1630

Title tbc

Hanne Randle, *YFIND, Sweden*

1630 - 1700

Q & A Session

1930 - 2330

Pre-Dinner Drinks followed by Formal Dinner

Friday 17 June

0930 - 1000

Education and training for explosives and energetic materials in Italy: risks connected with the use of obsolete methods

Roberto Folcho, *Nitrex and Marilena Cardu*, *Politecnico di Torino, Italy*

1000 - 1030

Explosives Training and Qualification Program at Lawrence Livermore National Laboratory

Rosalind Swansiger, *Lawrence Livermore National Laboratory, USA*

1030 - 1100

Morning Coffee

1100 - 1130

Australian National Training Framework Public Safety Training Package -

The Australian Defence Organisation Explosive Ordnance Experience

Wing Commander Graeme Davies, *Australian Defence Organisation*

1130 - 1200

EFEE European Shotfiring Certificate

Mark Hatt, *European Federation of Explosives Engineers (EFEE)*

1200 - 1245

Q & A Session

1245 - 1300

Closing Remarks

Education & Training in Explosives



Workers should
have the skills and
competencies
required to safely
sustain activities
involving explosives



Timings and registration

The symposium will be held in the Whitworth Conference Centre at The Defence Academy of the United Kingdom at Shrivenham, starting at 1400 hours on Wednesday 15 June (registration from 1230 hours) and finishing after lunch on Friday 17 June. If you wish to attend the symposium, please complete and return the attached **Registration Form**, to the address below **before 29 April 2005**. It is regretted that it is not possible to accept shared registrations.

Please book early to ensure a place.

All forms should be mailed or faxed to:

Michael J T Hewetson OBE
Director of Int'l Symposia and Short Courses
Cranfield University
Royal Military College of Science
Defence Academy of the United Kingdom
Shrivenham, Swindon
Wiltshire SN6 8LA UK

Mrs Eunice Learmont - Symposia Office
T. +44 (0)1793 785816
F. +44 (0)1793 785325
E. eunice@symposiaatshrivenham.com

Theme for 2005

15 - 17 June 2005

"What is this Symposium about?"

You are invited to a symposium on the training and education for explosive specialists. Explosive accidents have claimed the lives of more than a thousand people around the world since the turn of the Millennium. Added to the loss of life has been the significant loss of defence and industrial capability. Many of the accidents have been caused not by failure of design, but by human failure. Much of the human failure can be attributed to the lack of competence, skill and adequate training of the people concerned. Effective explosives safety depends on people making the right decisions at the right time. It depends upon people having the necessary competence to carry out their jobs properly. In explosives this will be in all stages of life, from the formulation of new explosives in the laboratory, through manufacture, storage, transportation, use and disposal.

The UK with other European partners have been involved in a Leonardo da Vinci programme to ensure that workers in the explosives community have the skills and competencies required to safely sustain activities involving explosives. Other countries have also been involved in this area. This symposium is intended to bring together those involved in these activities to discuss and share their experiences.

Theme

The symposium will examine the development and evolution of a range of explosive competencies and the training and qualifications being developed to generate and support them. Current and future requirements will be presented together with novel training approaches to meet these needs. In addition, competencies and training needs for employees involved in formulation of new explosives, manufacture, storage, transportation, use and disposal will also be addressed. "As can be seen from the programme opposite, we have an extensive, international range of expert speakers. Open discussion is encouraged throughout and programme time is planned accordingly. The networking opportunities are unique and plentiful including a reception on the first evening and a gala dinner on the second inclusive in the cost of registration."

Displays

Time will be allotted to the displays and we offer companies, departments and establishments an opportunity to display their products or advertise their capability. The options available, and costs, should be discussed with the organisers direct. Please contact Mrs Eunice Learmont (details below left) as soon as possible.

Please Note: Display personnel need to register as delegates if they wish to attend symposium presentations and meals.



Education and Culture

Leonardo da Vinci

Pilot Projects

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

www.symposiaatshrivenham.com

Education & Training in Explosives

To register, please first complete the following details (in BLOCK PRINT)

Surname _____

First names _____

Title _____

Nationality _____

Date of Birth _____

Job title _____

Company _____

Address _____

Post/ZIP Code _____

Telephone _____

Fax _____

E-mail _____

Your Purchase Order number (if required) _____

Three methods of payment (please tick):

- Cheque** made payable in sterling to Cranfield University
- Invoice** we may need your Purchase Order number
- Credit Card Visa/MasterCard** (not AMEX)

Card No. _____

Security No. _____

(last 3 digits on back of card)

Expiry date _____

Name on card _____

Details above are correct and payment as show is authorised with this Credit Card

Signature _____

Registration and Costs

15 - 17 June 2005

TO BE RETURNED BY 29 April 2005

Two easy ways to register:

1. Mail return the completed form with payment details to:

Michael J T Hewetson OBE
Director of International Symposia and Short Courses
Cranfield University
Royal Military College of Science
Defence Academy of the United Kingdom
Shrivenham, Swindon, Wiltshire SN6 8LA UK

2. Fax +44 (0)1793 785325

Email eunice@symposiaatshrivenham.com
to Mrs Eunice Learmont
Symposia Office

Registration fee

£250

This registration fee includes a delegates' reception, buffet lunches on both days, a formal dinner, bus pick-up service from selected hotels and all beverages during the symposium sessions.

Accommodation

Blocks of rooms at a preferential rate have been reserved at selected hotels by Venues Unlimited. These hotels, from which a complimentary bus pick-up service to and from the Whitworth Conference Centre will be arranged, are listed below.

- Please send me a hotel accommodation form

I intend to book accommodation at:

- Blunsdon House Hotel **£94** per night bed & breakfast
- The Corus Hotel, Swindon **£71** per night bed & breakfast
- Swallow Hotel, Swindon **£71** per night bed & breakfast
(Formerly the Village Hotel)

I will use the bus pick-up service from the above named hotel

- Daily

I have made my own accommodation arrangements

- Own choice

Travel options will be sent to delegates in the administrative notes mailed out in late May.

Full Terms & Conditions for Cranfield University may be supplied on request

CANCELLATIONS. Substitutions are welcome and may be made at any time, at no charge, provided the organisers are informed prior to the start of the event. If you have to cancel your booking, please do so in writing to Cranfield University. A full refund will be given if you cancel 30 working days or more prior to the symposium date. Thereafter, until 10 working days prior to the start date, cancellation is subject to a £100 administration fee, after which, regrettably, no refund can be made. Refunds will be processed after the event.

PROGRAMME CHANGES. It may be necessary, for reasons beyond the control of the organisers, to change programme content, speakers and/or timing of the event. Neither the International Symposia Office, Cranfield University nor the Defence Academy is liable for any changes.

PERSONAL DATA. If you have received correspondence from us where the personal or company details are incorrect, please contact the International Symposia Office so that we may update our records. Cranfield University gathers and manages data in accordance with the Data Protection Act 1998. The information may be used to update you on our other events and courses. Please tick this box if you do not wish us to do so. We will not share your data with other companies or agencies offering similar services.