



VOICE OF THE EXPLOSIVES INDUSTRIES

OFFICIAL JOURNAL OF THE INSTITUTE OF EXPLOSIVES ENGINEERS

EXPLOSIVES ENGINEERING

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ARE YOUR MEMBERSHIP

CONTACT DETAILS UP TO DATE?

IExpE regularly keep members up to date with information via email, if you are not receiving emails your contact details may be out of date.

Please contact the IExpE office to update your contact information. 01785 594136





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DISCLAIMER: The opinions expressed in Explosives Engineering are those of the authors concerned. They do not necessarily represent the views of the Institute.

Front Cover: Image provided by Jude Poyer showing explosion from Season 1 Episode 5 of the Gangs of London series.



VOICE OF THE EXPLOSIVES INDUSTRIES

Engineering Council

Institute of Explosives Engineers Registered Office:

> Ground Floor, Unit 1 Greyfriars Business Park Frank Foley Way Stafford, ST16 2ST

Company No: 07905911 Company limited by guarantee

OUR CORPORATE MEMBERS





PRACTICAL AND CONSULTANCY SERVICES

- \Rightarrow Explosive Ordnance Disposal (EOD)
- \Rightarrow Improvised Explosive Device Disposal (IEDD)
- \Rightarrow Area Clearance
- \Rightarrow Stockpile Destruction
- \Rightarrow Hazardous Chemical Disposals
- \Rightarrow Land ROV access and search
- \Rightarrow Underwater ROV Support/Search
- \Rightarrow Maritime Ordnance Search & Disposal
- \Rightarrow Client Representatives for large scale projects
- \Rightarrow Salvage and Demolition
- \Rightarrow Methods of Entry
- \Rightarrow Drone survey and SAR support to Emergency Services
- \Rightarrow Expert Witness
- \Rightarrow Research and Development

TRAINING AND EQUIPMENT SOLUTIONS

- ⇒ Explosive Ordnance Disposal Operator (EOD)
- ⇒ Improvised Explosive Device Disposal Operator (IEDD)
- \Rightarrow Assault IEDD Operator (AIEDD)
- \Rightarrow Clearance Diver
- \Rightarrow Explosive Methods of Entry (EMOE)
- \Rightarrow EOD Train the Trainer
- ⇒ Range Safety and Trial Conducting Officer (RSO/TCO)
- \Rightarrow Explosives Disposal Operations
- ⇒ Demining and Area Clearance



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WELCOME TO OUR NEW MEMBERS

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Alistair Wragg	James Nicholas Lowe		Nathan Cagna	Khalifa Hassan	Iain Martin	Berdine Clews
Thomas Wilson	Simon Oakes		Kevin Baker	Allan Ness	Christopher Peacock	Kay Howells
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Technical: Associate: St		Stu	Jdent:	Corporate:		
Alistair Greenhill Aaron Mills		Leo	ah McMillan	Frazer-Nash Consultancy		
Andrew Wharmb	y Dave Watson	Ellie	e Margaret Lewis	Company Member:		
Ben Brandham	Sean Galloway	Gar	reth James Allsopp	1st Line Defence		

PROFESSIONAL REGISTRATION UPDATE

Chartered Engineers: Ian Scattergood **Engineering Technicians:** Robert Clark Barry Auld

PROFESSIONAL REGISTRATION



VOICE OF THE EXPLOSIVES INDUSTRIES

IExpE offer it's members the opportunity of becoming professionally registered with the Engineering Council. We are able to assess our Members applications for inclusion on the national register of professional engineers and technicians as Chartered Engineer (CEng), Incorporated Engineer (IEng), and Engineering Technician (EngTech).

Benefits of Professional Registration:

- The status of being part of the technological elite
- Recognition of expertise and hard work
- High self-esteem and improved confidence
- Higher earning potential
- Improved career prospects
- Greater influence within the industry
- Access to life long learning
- International recognition of your qualifications
- Post nominals





The Engineering Council is the UK regulatory body for the engineering profession in the UK that holds the national register of Professional Engineers (EngTech, IEng and CEng). It sets and maintains the international recognised standards of professional competence (technical and personal) and ethics that govern the award and retention of these titles.

Please register your interest by emailing rizzasims@iexpe.org

Company Member Focus



ICTS UK & Ireland is delighted to have become a Company Member of the Institute of Explosives Engineers.

We are a leading provider of all aspects of Canine Security Services and have played a pivotal role in establishing the effective use of dogs within the private security sector. Our expert Handlers and highly trained dogs screen for explosives, pyrotechnics, firearms, drugs, tobacco, currency and mobile phones.

Specially trained detection dogs are compact, mobile, fast, and capable of searching both metallic and non-metallic items, making them ideal for searching a vast range of environments including public accessible locations, occupied buildings, derelict buildings, routes and vehicles.

Why are detection dogs so good at what they do?

The canine olfactory system (nose) has up to 300 million scent receptors and a dog's sense of smell is up to 10,000 times better than humans, so is extremely well-equipped for detecting substances such as explosives.

Our Explosives Detection Dog Teams are trained to UK Police and Homeoffice (NCTAS-P) standards.



ICTS Explosives/Drug/Pyrotechnics Detection Dogs, Free Running Explosives Detection Dogs & General Purpose Patrol Dogs





End of Year Message

From the President

I am writing to you all as we fast approach the end of 2022, a year that we had all hoped would bring some much-needed respite from the difficult times that we all experienced during the height of the COVID-19 pandemic.

Whilst Covid is still with us, it appears that in general we are becoming better able to cope with it, although it remains a concern to many and there are those living with long term impacts upon their lives.

The Invasion of Ukraine is a new challenge, watching the horrific consequences of war on the borders of Europe. My thanks go out to all our members who have provided much needed support to Ukraine.

The most significant event this year was the death of Her Majesty Queen Elizabeth II in her seventieth Jubilee anniversary year. Her loss marks the end of an era and the beginning of another under the reign of King Charles III.

The cost of living is rising daily, and the Institute is working hard to ensure that we focus on the value of membership and services across the sector.

My goal as President to increase training opportunities and qualifications across the sector continues, with continuing effort to support apprenticeships, vocational training and qualifications.



We continue to work with organisations to grow the portfolio and ensure that high standards are maintained. Membership numbers are growing steadily with many choosing our technical member route – it's fantastic to see early career explosives engineers and those new to the sector choosing to support us and become part of the wider explosives community.

I recently hosted our Fellows and Past Presidents at what will be an annual event, the "Dynamite Dinner". This was a great opportunity to discuss key areas of interest, particularly how we better engage with and support those at the start of their careers, and how we can better engage with the Fellows themselves. I strongly encourage anyone eligible to attend to put this into the calendar next year as I know all of us able to attend thoroughly enjoyed the event.

Professional registrations continue to rise, demonstrating the competence and professionalism of our membership. I'd like to extend my sincere thanks to everyone supporting this process and assure you that your hard work and dedication have not gone unnoticed. I'd like to extend a plea to all of our professional registrants to help to support as a few volunteers would have a huge impact.

I'm pleased to announce that we are preparing for another members' weekend in 2023 and hope that I get to see many members and partners at this event. The last one was held before COVID and was a huge success and I'm regularly asked when we'll be back.

Fulmination will be back, bigger and better! We've listened to feedback from attendees and are planning an amazing event next year, sharing knowledge and good practice, celebrating success, and providing opportunities to learn something new and catch up with friends and colleagues.

I hope that all our members and loved ones can take a break, refresh, relax and have a safe and enjoyable festive period.

Eur. Ing Andrew Carr C.Eng, FIMMM, MIExpE, MRI, ARSM IExpE President

EFEE Conference Report

Andrew Carr C.Eng, FIMMM, MIExpE, MRI, ARSM IExpE President

I was delighted to be able to attend the 11th EFEE World Conference in Maastricht earlier this year, the first time that I had been able to attend this particular event, and finally a chance to attend a dedicated explosives conference since my COVID enforced absence from our own event, Fulmination just previously!

My first engagement was with the EFEE Board, where the Institute represents the UK as its National body.

We had an engaging series of discussions, showing the dedication of everyone involved in improving safety and creating an engaging environment for the community to share good practice.



Welcome to Maastricht and Europe







Entrance to the EFEE World Conference on Explosives and Blasting

Following that, I had some time to explore Maastricht itself, a cosmopolitan city on the banks of the Maas river, where I had a delightful sunny walk, followed by some well-deserved (or at least I think so) Dutch beer.

The conference began the next day at the Maastricht Conference Centre, a short walk away with an introduction from EFEE President, Viive Tuuna and ISEE Vice President, Janeen Smith.

The whole event was buzzing with enthusiasm, lots of international attendees, with an exhibition area, demonstration stage and parallel conference proceedings.

As a self-confessed member of the Defence community, this was a great opportunity to understand more about the commercial activities that our members undertake, particularly around shotfiring and demolition operations.

At the end of the first day, we were all bussed to a nearby chateau for an informal Gala dinner in the garden, with live entertainment and nearly 8 minutes of fireworks set to music.

Like the IExpE, EFEE had a number of early careers attendees with 38 Students attending from across Europe. The party went on into the night.

The conference continued on the 2nd day with a full programme of presentations. In addition, I was able to discuss a number of activities and potential engagements with our partners from EFEE, ISEE and the Institute of Quarrying.

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