

Dedicated to Global First Responders

C B R N E



NEWSLETTERRORISM

November 2017



UPCOMING EVENTS

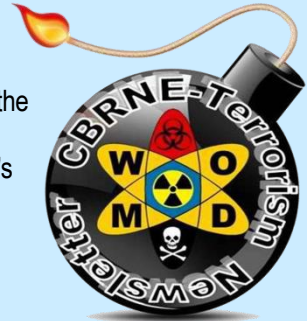
www.cbne-terrorism-newsletter.com

CBRNE-TERRORISM NEWSLETTER

Are you organizing a CBRNE-related event? We are interested to become media partners!

What we offer:

- Include a text with photos at the "Upcoming Events" chapter of the Newsletter and keep it there until the conference, workshop, etc;
- Include a full page (or more) of the event in the same or related chapters of the Newsletter (it must be in high resolution .jpg format);
- Incorporate a banner at the home page of the Newsletter with a link to event's website.



What we would like to be offered:

- Inclusion of Newsletter's logo in the website of the event;
- Inclusion of Newsletter's logo in the final program of the event;
- Inclusion of a small text about the Newsletter along with the URL of the Newsletter.

► For more details please contact the Editor-in-Chief at: igalatas@yahoo.com



CBRNe Summit Europe 2018

The Observatory on Security and CBRNe Defence-OSDIFE, the University of Rome "Tor Vergata" – Department of Electronic Engineering, the State University of Republic of San Marino - Center for Security Training and Education and our Official Event Partner Intelligence-Sec Limited recall that the next International "CBRNe Summit Europe " is only one year away.

►► Visit conference's website for future announcements: <https://osdife.org/en/>



The International CBRNE Institute and the European Society for Defense

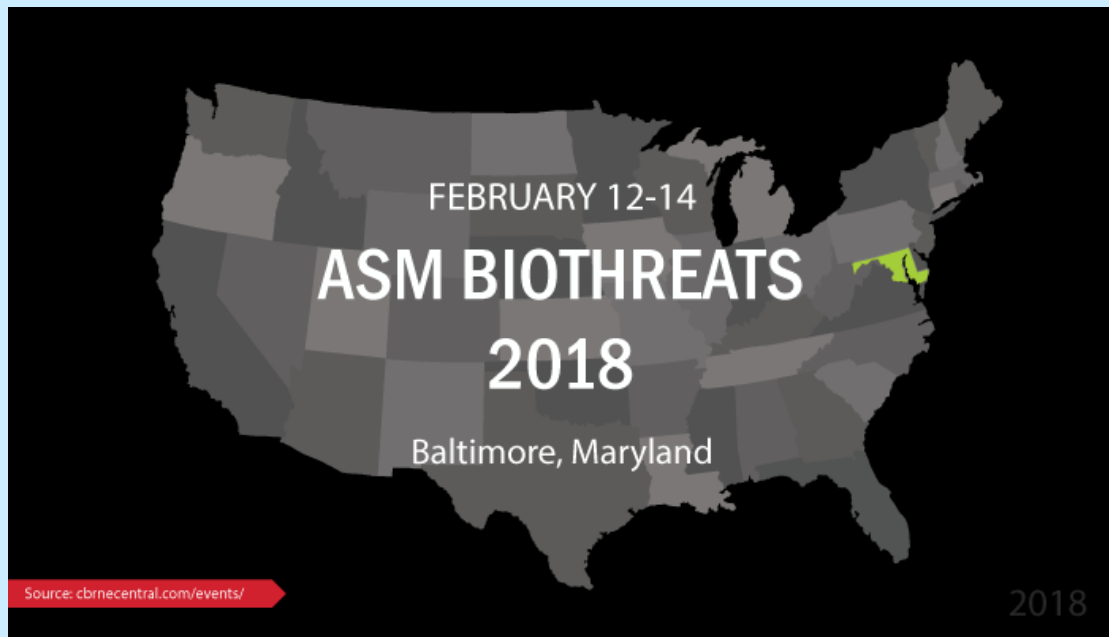
www.ici-belgium.be

www.seurod.eu

organize an international conference on counter-terrorism at the ICI on 11th of December 2017.

► Registration and program to follow: <https://www.ici-belgium.be/new-counter-terrorism-conference/>





Biothreats 2018 – American Society for Microbiology

February 12, 2018 - February 14, 2018

The ASM Biothreats 2018 meeting will take place February 12-14, 2018 in Baltimore, Maryland. Hosted by the American Society for Microbiology, the event will address pressing issues and relevant research in these broad categories:

- Viral Agents
- Bacterial Agents
- Fungal Agents
- Diagnostics
- Environmental Detection
- Information and Genomics
- Therapeutics
- Vaccines
- Immune Response
- Decontamination, Biosafety, and Containment



Highlighted session topics include:

- Exploring the Future of Biodefense in the U.S. Biological Threat Reduction
- The International Landscape of Biodefense: New Terrain
- Rapid Development and Deployment of Countermeasures
- Wearable Technology for Population Health Assessment
- Select Agent Toxins: Finding, Dissecting, and use as Human Therapies
- Artificial Intelligence for Biosurveillance



CBRNE-Terrorism Newsletter – October 2017

- Platform Technologies to Speed Biothreat Medical Countermeasure Development
- Microbial Forensics: Beyond the Select Agents List

▶ Please visit [ASM Biothreats 2018](#) website for more information and registration.



For many nations across the globe, the threat from international terrorism remains severe. Physical attacks, carried out by terror cells and radicalised individuals, in Barcelona, London, Manchester, Stockholm, Paris and Brussels have been coupled with an increasing number of cyberattacks. With the issue of national security and counter terrorism at the top of government agendas, Clarion Defence and Security Ltd. has today announced the launch of UK Security Week that will start on 6 March 2018.

Designed to help international security professionals debate the ever evolving range of threats, define operational strategies and help shape future policy, UK Security Week will include [Security & Counter Terror Expo](#) (SCTX), [World Counter Terror Congress](#) (WCTC), [Forensics Europe Expo](#) (FEE), [Ambition](#), and the new [People Movement and Management Show](#) (PMMS). The events have the ultimate objective of helping those tasked with preserving national security, protecting assets and individuals against terrorism.

**Identifying new solutions and critical issues**

The flagship event of UK Security Week is SCTX, which earlier this year attracted 9,851 security professionals from more than 114 countries. It will return to London Olympia from 6–7 March 2018, showcasing some of the most innovative security technologies, from biometrics to HGV mitigation solutions.

Over 350 exhibitors will be present at the 2018 show, including BAE Systems, Chemring, Aaronia, Surelock McGill and Meggitt Training to name a few – making it the largest showcase of national security solutions in the UK. SCTX will also feature an expansive educational programme that will deliver unrivalled insight into current issues and how to combat new challenges. 10 free-to-attend conference streams, which will run on the exhibition floor, will cover border security, the cyberthreat, protecting national infrastructure, policing, major events security and security design.

One of the most important conferences will be Cyber Threat Intelligence, which is run in partnership with tech UK. Globally, there was a 36 percent increase in ransomware attacks worldwide, highlighting the ever-growing threat caused by cybercriminals. The conference stream will focus on the threat posed by cybercrime and provide a platform for discussion on how to advance best practice and stay ahead of those intent on inflicting harm via the screen.



CBRNE-Terrorism Newsletter – October 2017

Speaking about the 2017 Cyber Threat Intelligence conference, Sajid Younis, resilience adviser at DCLG Resilience and Emergencies Division, said: “The sessions have been extremely interesting. It’s a huge tier 1 threat to our society right now and it’s been great to hear from so many high-profile speakers in the field.”

Brand new to the show this year, the Integrated Security Showcase will demonstrate a range of technology, solutions and services vital for the protection of critical national infrastructure facilities and major assets. A plethora of carefully selected products will be displayed in a live environment, enabling security professionals to learn how the solutions can be implemented.



New counter terror strategies

A key feature of UK Security Week will be the paid-for WCTC, which will run alongside SCTX from 6-7 March. Last year more than 1,000 senior security professionals, including diplomats and high-ranking police officers, were in attendance, keen to learn more about the latest strategies being used around the world to tackle radicalisation, prevent lone wolf attacks and counter international terrorism. With the likes of Europol’s Rob Wainwright and Metropolitan Police deputy assistant commissioner Lucy D’Orsi due to speak in 2018, the programme is not-to-be-missed.

Speaking at last year’s event, the head of security at The O2 Arena, London, said: “Security in crowded places is vital and the WCTC has been an ideal way to gain exclusive access to the latest measures other high profile attractions are taking. It’s been great to network and learn about so many new and innovative security solutions coming through the market.”

The emergency preparedness, resilience & response community event

Supported and chaired by the Cabinet Office, the Ambition event will also run from 6-7 March at London Olympia. The exhibition and conference is aligned with the National Resilience Capabilities Programme and the National Respond and Rescue Strategy, and is supported by the Cabinet Office.

Ambition will provide professionals from government departments, the NHS, councils, local resilience forums, ambulance trusts, fire and police organisations and specialist agencies with the unique opportunity to meet, network and debate the latest challenges facing the EPRR community today. Visitors will hear from leading experts on topics such as the future of emergency services, pandemic diseases, response to terrorist attacks and resilience for businesses, as well as being about to investigate the latest equipment.

Shaping the future of forensic science

Forensics professionals play a vital role in apprehending those responsible for crimes, as well as helping law enforcement officers prevent future offences. Running from 6-7 March at



CBRNE-Terrorism Newsletter – October 2017

London Olympia, FEE is the only international exhibition and conference that showcases the latest equipment and services, and presents new trends and techniques.

The event provides a definitive source of education, best practice, training and networking. More than 80 exhibitors will showcase 3,000-plus products during the exhibition, with around 50 free-to-attend seminars exploring all the latest tools in forensic science, from crime scene to courtroom.



Exploring people analytics

PMMS is the key pan-European trade show for the people analytics industry. From 6-7 March at London Olympia, visitors will be able to discover a plethora of technological innovation in this field which will provide insights into the future of operations from mass transit, retail, passenger terminals and universities to sports stadium, shopping centres and urban events. The solutions on display will ultimately aid with the modelling and design of urban spaces from a people movement perspective.

The technologies on show will range from real time data acquisition to maximise space utilisation, to wayfinding, circulation efficiency, retail revenues, operational effectiveness, resilience and the securing of crowded places and ultimately visitor experience.

Additionally, visitors will have the opportunity to hear and meet world-leading experts in this field, in a range of high level presentations delivered across a varied two-day agenda.

[Richard Walton](#), UK Security Week Special Advisor and former Head of Counter Terrorism Command (SO15) at New Scotland Yard, commented: "The threat we are facing today is inherently different from that of even a few years ago. Cyberattacks are now a major concern for governments and businesses, while physical attacks being carried out by radicalised 'lone wolves' are incredibly hard to prevent. UK Security Week will deliver a series of invaluable opportunities to learn about new strategies that can help security professionals keep civilians, assets and infrastructure safe."

UK Security Week will run from 6 March 2018 and will also include a number of networking events. For more information and to register for access to all the week's events, visit www.sctx.co.uk/registration and use guest code UKSW18.

UK Security Week reveals unrivalled line-up of international speakers

The organisers of [UK Security Week](#), the UK's leading national security event, have announced a raft of high profile, international speakers that will deliver thought-provoking presentations at this year's [World Counter Terror Congress](#) (WCTC) and [Ambition](#) conference.

From 6-7 March, government officials, the emergency services and security professionals from around the world will attend the events – which will run concurrently during UK Security Week in London – to discuss the evolving terrorist threat and how emergency services can prepare for future atrocities.



CBRNE-Terrorism Newsletter – October 2017

Both the WCTC and Ambition will feature a number of exclusive, high profile international speakers, meaning that delegates will only get the chance to hear their invaluable views during UK Security Week in March next year.



International strategy

The internationally-renowned [World Counter Terror Congress](#) (WCTC) draws on global expertise from counter terror leaders around the world. This year's programme will feature speakers from the most nations in the event's history, with counter terror leaders of the UK, United States, Germany, Denmark, Sweden, Belgium, Norway, the Netherlands, EU and NATO all confirmed to speak.

For the first time, the Federal Bureau of Investigations (FBI) will participate in the WCTC. Grant Mendenhall, assistant director of the Counterterrorism Division of the organisation, will give a unique insight into how the organisation detects, deters and disrupts terror threats to the United States.

Reflecting its standing as a truly international conference, security professionals will also be able to hear from Rob Wainwright, Director of Europol; Dr. Gerhard Conrad, Director of the EU Intelligence and Situation Centre; Chief Commissioner Michel Goovaerts, Chief of the Brussels Police; First Commissioner Jean-Pierre Devos, Intelligence and Analysis for the Federal Police Belgium; Superintendent Magnus Sjöberg, Head of Counterterrorism Process at the Swedish Police's National Counterterrorism Council (NTR); and Gunnar Carlsson, President and Co-founder of Ayasdi – a US-based artificial intelligence software business.

Assistant Chief Constable Terri Nicholson, Deputy Senior National Coordinator, Counter Terrorism Policing National Operations Centre for the Met Police will be complemented by numerous other UK-based speakers, including Claudia Sturt, Director of Security, Order and Counterterrorism for HM Prison and Probation Service, and Detective Chief Superintendent Scott Wilson, National Co-ordinator Protect & Prepare, National Counter Terrorism Policing HQ.

Emergency preparedness, resilience and response

In addition to WCTC, [Ambition](#) – the UK's leading event for the emergency preparedness, resilience and response (EPRR) community – has announced its strongest ever line-up of global experts to discuss strategies on mitigating the impact of a terrorist attack. Dr François Braun, National Head of the Urgent Medical Aid Service (SAMU), France, will discuss the approaches adopted and lessons learned from SAMU's medical response to multisite terrorist attacks in Paris.

Dr Robert MacFarlane, assistant director of Resilience Doctrine, Training and Standards, Civil Contingencies Secretariat for the UK Cabinet Office will also speak, along with Colonel



CBRNE-Terrorism Newsletter – October 2017

Laurent Phelip, Commander of the Gendarmerie National Intervention Group (GIGN) for the French Gendarmerie, and Dr. Fredrik Bynander, Research Director for Centre for Crisis Management Research and Training in Sweden.

And that's not all

The WCTC and Ambition conference will be complemented by numerous other conference sessions during UK Security Week, including sessions covering critical national infrastructure, cyber, special ops, keeping major events and borders secure, and how to integrate security at the design stage of major projects. Covering every aspect of the industry, it will be the most comprehensive security event, with the most diverse range of speakers, ever held in the country.

[Richard Walton](#), UK Security Week Special Advisor and former Head of Counter Terrorism Command (SO15) at New Scotland Yard, commented: "UK Security Week's conference programme will address critical issues in our preparedness and ability to prevent and protect nations, businesses and the public from future attacks. The speakers lined-up for next year's events are leaders in their fields and no other event can match the expertise they will bring together. It is an invaluable experience for everyone working in the security industry and is not to be missed."

For more information and to register for access to all the week's events, visit <http://bit.ly/2kwHCCI> and use guest code **UKSW18**.

4th International Symposium on Development of CBRN Protection Capabilities

03rd - 05th September 2018, Berlin

Welcome to the 4th International Symposium on Development of CBRN-Defence Capabilities, a high-ranking international conference.



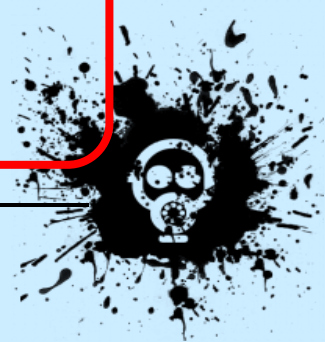
The 4th International Symposium on Development of CBRN Protection Capabilities will take place in Berlin from 3 to 5 September 2018.

As in previous years, Germany will once again provide a professional platform for encounters and exchange of the international CBRN protection community. International experts will inform representatives from the fields of politics, administration, industry, academia, civilian and military organisations about latest developments in security policy and provide an up-to-date risk assessment with a view to chemical, biological, radiological and nuclear risks and the challenges they represent for military and civilian systems when it comes to hazard prevention. The list of international participants clearly indicates that protecting against the effects and impact of CBRN dangers is a top priority around the globe. As a result, CBRN continues to be in the focus when it comes to improving preventive security measures.

The Call for Papers is now open ([click here for details](#)). You are invited to submit your proposal for a speech / poster session until January 31, 2018.

Registration for Exhibitors is open ([click here to sign up](#) / [click here for the Floorplan](#)), Visitor Registration opens in Spring 2018.

►► Website: <http://www.cbrn-symposium.com/>





**CBRNe Applied Science &
Consequence Management
World Congress**

CSCM 2018

Cavtat, Croatia (2-6 September, 2018)

The 2018 CSCM World Congress will be held in Cavtat, Croatia 3-6 September, 2018. Cavtat is adjacent to beautiful and historic Dubrovnik. Please mark your calendars for next year. We look forward to the continued partnership and support from our old friends and look forward to meeting many more in Dubrovnik.

▶ Visit conference's website at: <http://www.cscm-congress.org/cscm-2018>

CBRNe Summit Europe 2018

Rome, Italy

17th April 2018 - 19th April 2018

Our 5th annual CBRNe Summit Europe conference and exhibition will be heading back to Rome, Italy where we will be evaluating the developments in CBRNe capabilities across Europe. The threat of CBRNe attacks across Europe is continuing to increase year on year. CBRNe Summit Europe continues to grow each year and provides you unrivalled access to public sector officials from across Europe, Middle East, Americas and South-East Asia in one place.

Many CBRNe threats are developing and many terrorist cells are looking at different ways to create destruction across major cities in Europe. Our event will focus on many aspects of CBRNe to provide you an complete overview of the challenges faced to our first responders, emergency services and military in responding to new style attacks in our urban cities.

INTELLIGENCE-SEC



CBRNE-Terrorism Newsletter – October 2017

Our 2018 show will focus on the following topics over the two day conference and exhibition; Italian CBRNe Capabilities and Challenges, Maritime CBRNe threats, Chem-Bio Countermeasure Development, CBRNe Forensics, Countering IED's, Security in Public Spaces - Increasing CBRNe threats and Military-Civil CBRNe Response Cooperation.

After the event you should come away with a complete and diverse understanding of how national first responders deal with CBRNe attacks from preparations, response, decon, recovery, forensics and lessons learnt. You will hear in-depth presentations from leading officials on different CBRNe threats.

As well as reviewing different threat scenarios we will also be looking at new emerging CBRNe threats during the conference such as CBRNe threats in the maritime domain which is becoming a major concern to the Italian Navy. Another developing threat is the capability of terrorist cells using drones with chem-bio payloads to attack public places for mass casualties. During the conference these new challenges will be discussed.

To be part of the largest gathering of CBRNe professionals in Europe please contact us via email at events@intelligence-sec.com or by phone +44 (0)1582 346 706 and we will be happy to provide you further information on you can participate either as a speaker, sponsor/exhibitor or as delegates.

►► Visit conference's website at: <http://www.intelligence-sec.com/events/cbrne-summit-europe-2018>

**World CBRN & MEDICAL Congress (CEBIRAM) 2018**

Wed 17 – Fri 19 October 2018

MAIN TOPICS

17. 10. 2018

Strategic Level:

- Civil – Military – Security Forces Cooperation and Crisis Preparedness

18. - 19. 10. 2018

Operational Level:**CBRN Conference**

- CBRN Task Forces
- Capability Indicative Roadmap – WMD Disablement, CBRN Forensics, Special Reconnaissance
- CBRN Search; Aerial Monitoring
- CBRN Counter Proliferation in the Sea (Boarding Proliferation Operations)
- Innovation and Technology Implementation
- Bio-threats - Prevention and Efficient Response

MEDICAL Conference

- Forms of Medical Support during the War / Humanitarian Crises
- Lessons Learned from Operations, Missions, Terrorist Attacks, Crisis Situations and Exercises
- Force health Support and Protection
- Medical Concept Development and Experimentation
- Innovation and Technology Implementation

►► Visit conference's website at:

http://www.future-forces-forum.org/events/default/19_cebiram-2018?lang=en



Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) Sensing XIX

Monday - Wednesday 16 - 18 April 2018

While the modern era of chemical warfare began just over 100 years ago, armies have been using toxic gases, biological threats, as well as incendiary and explosive devices for most of recorded history. The threats of chemical, biological, radiological, nuclear and explosive (CBRNE) hazards continue to advance. However, warring parties with limited resources improvise or reuse older technologies with great effect. Today's military and homeland protection forces must therefore be prepared for a wide range of threats including many "old ones". The rising global trend for civil war and internal conflict, especially in large cities, increases the probability that industrialized chemicals will either intentionally or accidentally become a hazard to military and security forces or the localities' residents. A greater proliferation through the internet of the knowledge necessary to make CBRNE threats, coupled with the trends of rapid innovation and improvisation witnessed in Iraq and Afghanistan with IEDs, will make threat prediction difficult. The non-attribution of strategic CBRNE acts will also make a response difficult without a strong reliance on forensics to narrow down or identify the person(s) or group(s) responsible. For those of us trying to develop detection capabilities for military, security, and emergency response forces, the current and future strategic environment means that there are literally thousands of lethal materials that can be used as weapons. The sensing of CBRNE threats is important to obtain "real-time" answers that allow actionable decisions to be made on-the-spot; to reduce the logistical burden by moving the analysis closer to the source of the sample; to rapidly screen materials to identify samples that need to be sent to a lab for additional analysis and minimize the number of these samples; and to nondestructively analyze large, valuable, or immovable objects for which excising samples is not possible. The Department of Defense is increasingly interested in offloading forward decision making and analysis from soldiers to software. This will increase the need for signal processing to be more robust and accurate. This conference will also provide a forum for discussion of advances in algorithms for sensor signal and data processing, including signal detection and sensor fusion. Of interest is the detection of low signal-to-noise signals in cluttered signal spaces, for the detection of biological/chemical threats.

In addition to protecting against battlefield CBRNE threats, there is an increasing demand to protect borders, ports, and other geographical points of entry, from the emergent threats of improvised explosive devices (IEDs), homemade explosives (HMEs), nuclear devices and radiological dispersal devices. These threats have elevated the importance of technologies for the reliable detection, classification, and identification of asymmetric threats.

The scientific principles behind many CBRNE detection technologies are similar, despite their diverse application areas. Technologies such as laser induced fluorescence, Raman and infrared spectroscopy, LIBS/LIPS, mass spectrometry, chromatography, specifically labeled antibodies, DNA/RNA extraction and analysis, biomimetic sensors, micromechanical devices and microfluidics have found recent applications in chemical, biological, radiological and explosives sensing. In addition, methods for electro-optical biological monitoring and biomarker sensing technologies are needed to quantify and detect physical and health indicators of exposure to CBRNE materials. Also, new and sophisticated radiation detection systems are needed for better protection of military personnel and civilians from radiological threats.

This conference provides an unprecedented forum for authors from Government, industry, and academia to address a wide variety of CBRNE sensing issues, technologies, and advances in algorithms and signal process of threat related scenarios. Suggested topics for presentation include, but are not limited to:

- novel CBRNE detection modalities and materials
- integrated photonic applications for CBRNE threats
- through barrier detection techniques for CBRNE sensing of hidden threats
- wearable and/or miniature sensors for CBRNE threats
- quantum sensing applications for CBRNE detection
- machine learning for detection and identification
- low signal-to-noise or clutter processing



CBRNE-Terrorism Newsletter – October 2017

- background removal/clutter rejection/image processing
- signal processing and data analytics for detection and identification
- modeling of sensor phenomenology and performance
- unmanned and/or autonomous ground or aerial CBRNE detection
- environmental monitoring of CBRNE or hazardous materials
- biological surveillance and monitoring, methods, and analysis
- atmospheric transport phenomena for CBRNE releases
- environmental fate and transport of CBRNE materials
- novel decontamination and remediation technologies
- micromechanical components/nano-composite materials for CBRNE sensing
- biologically inspired or biomimetic CBRNE sensors
- active/passive detection and identification
- results/status of laboratory testing (live or attenuated agents, simulants)
- results/status of field testing (live or attenuated agents, simulants)
- gamma and neutron detection techniques
- standoff detection of ionizing radiation
- shipping container monitoring techniques.

**NCT EUROPE 2018****3-5 July 2018**

The Netherlands

The 8th edition of Europe's highly successful NCT event series, the NCT Europe 2018, will take place from 3-5 July at the National Training Center (NTC) at the Bredero barrack in Vught, The Netherlands. After the NCT Europe events in Amsterdam and Sonthofen, Germany, which welcomed over 250 participants, IB Consultancy looks forward to return to the South of the Netherlands! The three-day event will feature multinational CBRN/C-IED/EOD exercises, conference, workshops, a large indoor and outdoor industry exhibition and the famous NCT Party. We look forward to welcoming the international CBRNe community to the Netherlands in 2018!



►► Visit conference's website at: <http://nct-europe.com/>



join us



**CBRN
Knowledge Center**



**Explosives
Knowledge Center**

ici-belgium.be/en/