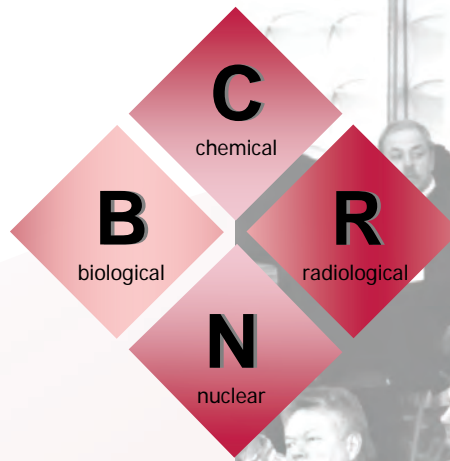




Federal Ministry  
of the Interior



# 2<sup>nd</sup> International Symposium on Development of CBRN Defence Capabilities

2012: European Perspectives in an International Environment

An Event of the  
**Centre for Studies and Conferences of the German  
Association for Defence Technology (SGW)**  
under the auspices of the  
**Federal Ministry of the Interior**  
and the  
**Federal Office of Civil Protection and Disaster Assistance**  
supported by the  
**Federal Ministry of Defence**  
and the  
**Association of the German Army**

October 22<sup>nd</sup> - 24<sup>th</sup>, 2012  
bcc / Berlin Congress Centre  
Alexanderstrasse 11  
10178 Berlin, Germany  
**Status: October 15<sup>th</sup>, 2012**

Under the auspices of:

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Conference language: English | Plenary Sessions with simultaneous translation GE / ENG

2010 **2012** 2015 2018 2021 2024

[www.cbrn-symposium.com](http://www.cbrn-symposium.com)



## About the Symposium / Planned topics

The increased occurrence of natural CBRN hazardous substances, potential threats arising from industrial infrastructures, and the use of CBRN weapons (Weapons of Mass Destruction/warfare agents) and CBRN hazardous substances used by both governmental and non-governmental actors are the main categories of CBRN threats. These CBRN categories demand the development of a modern CBRN defence as part of a country's overall defence and security system.

These threat categories have in part been created and intensified through globalization and the (inter-) networking of all countries and societies. It coincides with a worldwide transfer of knowledge that knows no boundaries, also in areas of sensitive technologies. Threats that arise from proliferation also have decisive impact on the development of CBRN defence capabilities.

Above situation is closely connected with the complex, highly technical, networking and open modern societies that, due to their free and constitutional nature and their modern infrastructures, have become increasingly vulnerable towards the above mentioned global threats and challenges.

The adjustment of national and international CBRN Defence Capabilities to such conditions and threat categories must apply to every day hazard- and incidents situations, as well as to scenarios and situations of national importance, and within the deployment areas of the Armed Forces.

Overall, the handling of situations from chemical, biological and radiological and nuclear hazards, up to damage caused by nuclear weapons, requires extremely sophisticated, often multidisciplinary procedures – not only within crisis management and command organizations, but also within civilian and mili-

tary operational organizations.

The goal of the CBRN defence is to secure the best possible protection of the respective population as well as the civilian and military mission personnel against the impact and effect of natural and anthropogenic CBRN hazards. This requires the cooperation of all authorities involved in national security planning for the prevention (avoidance) and provision (preparedness) and managing (response/recovery) of CBRN hazards and incidents.

CBRN hazards are a global danger, which must be dealt with in a common, internationally responsible manner. Furthermore, an efficient CBRN defence for all countries requires close cooperation of all involved departments as well as non-governmental organizations, within the framework of the respective national defence and security system. This is necessary; firstly, to be able to jointly develop crucial capabilities in a goal oriented approach, and secondly, to enable appropriate joint operations should this become necessary, depending on the scenario.

This fundamental approach of an overarching cooperation between political leaders, ministries, administrations, research and teaching, the industry and not least the media in a national and international scale will guide us through the upcoming Symposium.

Political and strategic topics will be discussed in the plenum, procedural and operative issues will be discussed in the expert panels.

Our Symposium provides all participants with the opportunity to enter into a dialogue, to make new contacts and refresh existing ones. There will be room for national and international decision-makers, conceptual thinkers, developers, procurers and the users to exchange ideas and information.

## Main Conference Topics

- CBRN- Protection from an EU and International Organizations' Point of View
- CBRN-Protection as Part of the National Security Policy
- Conceptual Approaches
- International Security Policy – Current Situation, Outlook, Risk Assessment
- Research, Development and Future Perspectives

## Topics for the Panel Sessions 2012

- B - Reconnaissance / Analytic / Forensic
- C - Reconnaissance / Analytic / Forensic
- CBRN Sensor Integration
- Decontamination and Disinfection I
- Decontamination and Disinfection II
- Evaluation/ Prognosis/ Consultation
- Integrated CBRN detection solutions – mission proofed
- Medical CBRN Response
- N/R-Reconnaissance / Analytic / Forensic
- Personal and Collective Protection
- Psychosocial Emergency Management Reporting System (Civil / Military)
- Risk and Crisis Communication
- Risk Assessment / Analysis / Scenarios
- Training Procedures / CBRN Training
- Training Procedures / Practical Training



## What you can expect from the Symposium

Up to 1.000 guests from about 50 nations will attend the 2<sup>nd</sup> International Symposium on Development of CBRN-Defence Capabilities, held in the Berlin Congress Centre from October 22<sup>nd</sup> to October 24<sup>th</sup>.

This high-ranking international meeting is organised by the Centre of Studies and Conferences of the German Association for Defence Technology and is under the auspices of the GE Federal Ministry of the Interior and the GE Federal Office of Civil Protection and Disaster Assistance, supported by the GE Federal Ministry of Defence and the Association of the German Army.

### Key Facts:

- Up to 1.000 visitors
- Up to 18 Panel Sessions
- 70+ international Speakers
- Wide spectrum of information
- 2 days main programme
- Free of charge for responsible authorities
- Indoor and Outdoor Exhibition
- Supported by two German Federal Ministries and one Federal Office



Outdoor Exhibition in 2010. The GE Armed Forces, the Federal Agency for Technical Relief (THW) and industry suppliers presented their CBRN-Defence Capabilities.

## Comments of Participants and Exhibitors in 2010 / FULL REVIEW available at [www.cbrn-symposium.com](http://www.cbrn-symposium.com)



**Staff Sergeant Brigitte Gramsamer (left) and Veterinarian Officer Dr. Ilona Moosbrugger, Institute for Microbiology of the German Armed Forces, Munich**

*Dr. Moosbrugger:* I found the event very interesting, because it provided an excellent overview of the entire theme. Including new issues on the market, in the German armed forces or on an international level.

*Gramsamer:* Particularly interesting for me was finding out about any news in the field of protective technologies and equipment. And also the information about further developments in the NBC platoon and civilian forces such as the THW. There was also a good overview of the various NBC safety measures in various countries.



**Ilse Schedl,  
President of the Bavarian Police Administration office,  
Straubing, Germany**

For the first time this was an event that summarises from the most various fields and countries what needs to be observed with regard to NBC weapons and how to combat the associated danger. It was particularly interesting

that the military is rightly considering that it must seek cooperation with the civilian side in the field of the defence of its own country and in the interest of national security.

I realised from discussions with representatives of our armed forces how much they have been reduced here. Cooperation is therefore important for ensuring national security. I learned a great deal at this congress. It should be continued.



**Geneviève Desautels,  
International Sales Manager, AirBoss-Defense, Quebec, Canada**

I am very impressed by the list of participants we received. I read it carefully and analysed it. I have been visiting CBRN events world-wide for ten years. I have never registered so many participants, who are actively involved in the topic in defence ministries or NBC schools.










I count 42 different armed forces – including the NATO and EDA – who are currently here in Berlin for two days. CBRN specialists and representatives of defence ministries are here, not embassy delegates only sent to collect information. Here are the users and actual decision-makers. That is quite impressive.



Programme of the 1<sup>st</sup> Conference Day / Tuesday, October 23<sup>rd</sup>, 2012 / bcc Berlin Congress Centre

	07:00	Check In Counter opens	
	08:00	Opening of the Exhibition	
 Norbert Seitz GE Mol Head of Directorate	08:45	<b>Welcome Notes / Opening of the Conference</b> <i>Norbert Seitz</i> (Conference Chairman) Federal Ministry of the Interior	
 Gen. (ret.) Rainer Schuwirth GE Ass. for Defence Technology Chairman		<b>General (ret.) Rainer Schuwirth</b> (Co-Chairman) Chairman of the German Association for Defence Technology (DWT), Bonn	
 Norbert Seitz GE Mol Head of Directorate		<b>Main Session A / Opening / International Policy</b> Session chaired by <i>Norbert Seitz</i> , Federal Ministry of the Interior, Berlin	
 Dr. Hans-Peter Friedrich GE Ministry of the Interior Minister of the Interior	09:00	<b>Opening Key Note</b> <i>Dr. Hans-Peter Friedrich</i> , Minister of the Interior, Ministry of the Interior, Berlin	✓
 Kristalina Georgieva European Commission Commissioner	09:30	<b>Security Planning and Architecture in the European Union</b> <i>Kristalina Georgieva</i> , Commissioner for International Cooperation, Humanitarian Aid & Crisis Response, European Commission, Brussels	✓
 Prof. Lisa Bronson Nat. Defence University Professor	10:00	<b>Global Security Policy Aspects in CBRN-Defence</b> <i>Prof. Lisa Bronson</i> , Professor at the National Defence University, Washington DC	✓
	10:30	Coffee Break / Exhibition / Press Conference	
 Dr. Willi Marzi GE Federal Ministry of the Interior		<b>Main Session B / Research and Industry</b> Session chaired by <i>Dr. Willi Marzi</i> , Federal Ministry of the Interior, Berlin	
 Martin Baggenstos KomABC President (ret.)	11:30	<b>Provision and Handling of NBC-Situations in Switzerland</b> <i>Martin Baggenstos</i> former President KomABC, Spiez	✓
 Dr. Karsten Michael BBK Head of Directorate III	12:00	<b>Challenges in CBRN-Research</b> <i>Dr. Karsten Michael</i> , Head of Directorate III, Federal Office of Civil Protection and Disaster Assistance (BBK), Bonn	✓
	12:30	Introduction to the Panels I - VIII	
	12:40	Luncheon / Exhibition	
	14:30	Conference continues with the Panel Sessions	

14:30	<b>Panel I Risk Assessment / Analysis / Scenarios</b> <b>Panel II CBRN Sensor Integration</b> <b>Panel III Psychosocial Emergency Management</b> <b>Panel IV Reporting System (Civil / Military)</b> <b>Panel V Decontamination and Disinfection I</b> <b>Panel VI Evaluation / Prognosis / Consultation</b> <b>Panel VII Training Procedures / CBRN Training</b> <b>Panel VIII Integrated CBRN detection solutions – mission proofed</b>	
16:15	Coffee Break	
16:45	<b>Future Challenges in Changing CBRN Defence Markets</b> <i>Sebastian Meyer-Plath</i> , Managing Director, Bruker Daltonic	✓
17:15	<b>Digital Dog Nose: Revival of Neutron based IED Detectors</b> <i>Dr. Bogdan Castle Maglich</i> , Chief Scientist, California Science & Engineering Corporation, USA	✓
17:30	<b>SuperCT: Fine Art and Science of Semiconductor Detector and Electronics</b> <i>Dr. Keiji Kobashi</i> , Central Research Laboratory, Hitachi Ltd., Japan	✓
17:50	Discussion Round <b>International Cooperation and Interaction of Research Institutes, Industry and Customers</b>	
	Chairman: <i>Prof. Dr. Holger Mey</i> , Head of Advanced Concepts, EADS Deutschland GmbH, Cassidian	✓
	Statements: <i>Dr. Thorsten Fischer</i> , VDI Technologiezentrum	✓
	<i>Martin Baggenstos</i> , former President KomABC	✓
	<i>Gerlof Johan de Wilde</i> , Assistant Director R&T, EDA	✓
	<i>Dr. Thomas Weise</i> , Rheinmetall AG	✓
	<i>Dr. Francois Murgadella</i> , Secrétariat Général de la Défense et de la Sécurité Nationale, France	✓
19:15	Resume of the 1 <sup>st</sup> Conference Day and Introduction to the Panel Sessions IX - XVI	
19:30	Walking Dinner Buffet	
22:00	End of the 1 <sup>st</sup> Conference Day	

-  **Sebastian Meyer-Plath**  
Bruker Daltonic  
Managing Director
-  **Dr. Bogdan Maglich**  
California Science and Engineering  
Chairman and CTO
-  **Dr. Keiji Kobashi**  
Hitachi  
Central Research Laboratory
-  **Prof. Holger Mey**  
EADS Deutschland GmbH Cassidian  
Head of Advanced Concepts
-  **Dr. Thorsten Fischer**  
Unit Security Research
-  **Martin Baggenstos**  
KomABC  
President (ret.)
-  **Gerlof Johan de Wilde**  
EU Defence Agency  
Assistant Director R&T
-  **Dr. Thomas Weise**  
Rheinmetall AG
-  **Dr. Francois Murgadella**  
French MoD  
Agence Nationale de la Recherche

✓ = Speaker Confirmed

The Ice-Breaker Reception / Monday, October 22<sup>nd</sup>, Hotel "Maritim proArte"

18:15	<b>Ice-Breaker on Monday, October 22<sup>nd</sup>, 2012</b> <b>Icebreaker Reception at the "Hotel Maritim proArte"</b> Friedrichstraße 151, 10117 Berlin (20 min. Walk / 5 min. Taxi from the Conference Centre)
18:45	<b>Welcome Notes / Sponsors Speech</b>
19:20	<b>Reception / Regional Buffet</b>
21:30	<b>End of Icebreaker-Reception</b>





Programme of the 2<sup>nd</sup> Conference Day / Wednesday, October 24<sup>th</sup>, 2012/ bcc Berlin Congress Centre

	07:00	<b>Check In Counter opens</b>							
	08:00	<b>Opening of the Exhibition</b>							
	08:15	<b>Conference Continues</b>							
			<b>Main Session C / CBRN-Protection - International Concepts and Focal Points</b>						
			<i>Session chaired by Colonel Dieter Jaksik, GE MoD</i>						
	08:25	<b>CBRN-Protection – Perspectives by the United Nations Organization</b> <i>Nikita Smidovich</i> , Weapons of Mass Destruction Branch, Office for Disarmament Affairs, United Nations							
	08:50	<b>CBRN-Protection – Perspectives by NATO</b> <i>Major General Jon B. Lilland</i> , Assistant Chief of Staff, Programme and Planning Management at NATO SACT							
	09:15	<b>EU's Approach on CBRN-Protection – National Perspectives</b> Dr. Iris Gnedler, GE Ministry of the Interior							
	09:40	<b>Challenges on improvement of CBRN countermeasures</b> <i>Ruud Busker</i> , TNO, Netherlands							
	10:05	<b>Coffee Break</b>							
	11:00	<b>Conference continues with the Panel Sessions</b>							
			Panel IX	Risk and Crisis Communication					
			Panel X	Personal and Collective Protection					
			Panel XI	C - Reconnaissance / Analysis / Forensic					
			Panel XII	B - Reconnaissance / Analysis / Forensic					
			Panel XIII	N/R-Reconnaissance / Analysis / Forensic					
			Panel XIV	Decontamination and Disinfection II					
			Panel XV	Medical CBRN Response					
			Panel XVI	Training Procedures / Practical Training					
	12:45	<b>Luncheon / Exhibition</b>							
			<b>Main Session D / CBRN-Protection - National Concepts</b>						
			<i>Session chaired by Colonel Henry Neumann, Bundeswehr Joint Support Command, Cologne</i>						
	14:00	<b>Experiences of CBRN-Protection in the UK (including Olympic Games 2012 and Crown Jubilee)</b> <i>John Jones</i> , Deputy Head of Unit CBRNE, Office for Security and Counter Terrorism							
	14:25	<b>Saudi National Plan of Emergency Respond to Radiological and Nuclear Weapons</b> <i>Colonel Badr bin Naif Ali al Jabali</i> and <i>Lieutenant Colonel Dr. Omar bin Muhammad Salih Maghribi</i> Ministry of the Interior, Kingdom of Saudi Arabia							
	14:50	<b>Progress in the implementation of the Nuclear Safety Action Plan</b> <i>Gustavo Caruso</i> , Special Coordinator of the Nuclear Safety Action Plan Team, IAEA							
	15:15	<b>Radiologic and Health Threats - A UNO Perspective</b> <i>Dr. Wolfgang Weiss</i> , Chairman UNSCEAR, United Nations							
	15:40	<b>Coffee Break</b>							
	16:10	<b>Final Discussion Round: Handling of CBRN-Hazards and Damage Situations: Political Risk Assessment, Risk- and Crisis-Communication</b>							
		Chairman: <i>General (ret.) Egon Ramms</i> , former Commander JFC HQ Brunssum							
		Speakers: <i>Ralph Tiesler</i> , Vice President, BBK							
		<i>Brigadier General Hans-Werner Wiermann</i> , GE MoD							
		<i>Ernst-Reinhard Beck</i> , MoP, Defence Subcommittee							
		<i>Gerold Reichenbach</i> , MoP, Germany							
	17:30	<b>Closing Remarks</b> <i>Ralph Tiesler</i> , Vice President, BBK							
		Chairman of the German Association for Defence Technology <i>General (ret.) Rainer Schuwirth</i> , (Co-Chairman)							
	17:30	<b>End of Conference</b>							

✓ = Speaker Confirmed

The Programme Committee of the Symposium

- Colonel Jean-Christophe Le Roux**, EMA, France
- Dr. Willi Marzi**, Federal Ministry of the Interior
- Dr. Marc Cadisch**, Director SPIEZ Laboratory, DDPS and Vice President KomABC, Switzerland
- Colonel (GS) Dieter Jaksik** and **LtCol Fabian Bosse**, GE MoD
- Dr. Karin Braun**, **Dr. Dorothee Friedrich**, **Dr. Karsten Michael** and **Colonel (ret.) Hans-Peter Weinheimer**, Federal Office of Civil Protection and Disaster Assistance (BBK)
- Gerlof Johan de Wilde**, Assistant Director, R&T Directorate, European Defence Agency
- Dr. Bernd Hemmer**, GE Army Association
- LtCol Frank Kaemper**, Plans and Policy Division WMD/CBRN, NATO SACT
- LtCol (ret.) Wolf Rauchalles** and **Stephan Brüss**, German Association for Defence Technology – Centre for Studies and Conferences



## Programme of the Panel Sessions of the 1<sup>st</sup> Conference Day

### Panel I Risk Assessment, Risk Analysis, Reference Scenarios

- Chairman: **Dr. Wolfgang Rosenstock**, Fraunhofer INT
- 14:30 Introduction by the Chairman
- 14:40 **INTERPOL and the Role of the Intelligence Driven, Prevention Orientated Investigation in Police CBRNe Counterterrorism Operations**  
**Ali Rached**, Assistant Criminal Intelligence Analyst, Interpol
- 15:00 **Improved CBRN Devices: Threats and Response**  
**Andy Oppenheimer**, Editor CBNW (Chemical, Biological & Nuclear Warfare)
- 15:20 **CBR-Risk Analysis for an International Airport**  
**Dr. Albrecht Bongartz** and **Heinrich Dorsch**, IABG
- 15:40 **Advanced CBRN Risk Analysis using modern NEC Environments**  
**André Breitung**, Rheinmetall Defence Electronics GmbH
- 16:00 Discussion Round with Panellists and Audience
- 16:15 Coffee Break

### Panel III Psychosocial Emergency Management

- Chairman: **N.N.**, N:N
- 14:30 Introduction by the Chairman
- 14:40 **Psychosocial Crisis Management in CBRN Incidents**  
**Claudia Schedlich**, Federal Office for Civil Protection and Disaster Assistance
- 15:00 **Psychosocial Support for CBRN Responders & Hospital Staff**  
**Claudia Schorr**, Federal Agency for Technical Relief (THW)
- 15:20 **Topic to be determined**  
**Dave Bull**, Head of National Ambulance Resilience Unit Training for CBRN Capabilities, UK
- 15:40 **The Psychological Impact of wearing PPE on Health Professionals Perception of CBRN Circumstances**  
**Dr. Catherine Bertrand**, SAMU 94 / UPEC Créteil France
- 16:00 Discussion Round with Panellists and Audience
- 16:15 Coffee Break

### Panel II CBRN Sensor Integration

- Chairman: **LtCol Hans-Jürgen Jacob**, Bundeswehr Joint Support Command
- 14:30 Introduction by the Chairman
- 14:40 **Efficient Networking of Mobile CBRN Detectors**  
**Wolfgang Fritsche**, IABG
- 15:00 **Integrated Network of Sensor Systems for CBRNe Perimeter Protection, Surveillance and Event Management**  
**Val Chrysostomou**, Smiths Detection
- 15:20 **Innovations in CBRN Response: How Advances in Instrumentation Enable Faster Decision Making in the Field**  
**Trey Sieger**, Thermo Fisher Scientific
- 15:40 **Airborne Infrared Hyperspectral Imager for Intelligence, Surveillance and Reconnaissance Applications**  
**Jean-Philippe Gagnon**, Telops
- 16:00 Discussion Round with Panellists and Audience
- 16:15 Coffee Break

### Panel IV Consequence Management - Decision Making

- Chairman: **Major Frank Schäfers**, Bundeswehr Joint Support Command
- 14:30 Introduction by the Chairman
- 14:40 **CBRN Decision-Making Tools from the Definition of CBRN capabilities to the Warning & Reporting in Operation**  
**Pierre Tuffigo**, CBRNE Bid Manager, THALES
- 15:00 **Consequence-Analysis and -Management**  
**Norbert Kopp**, tms
- 15:20 **Decision support in the field of explosive safety using hazard, damage and risk analysis**  
**Frank Radtke**, Fraunhofer Institute for High-Speed Dynamics, EMI
- 15:40 **Warning and Reporting in military and civilian reconnaissance missions**  
**Dr. Baldur Stulgies**, Rheinmetall Military Vehicles RMMV
- 16:00 Discussion Round with Panellists and Audience
- 16:15 Coffee Break



## Programme of the Panel Sessions of the 1<sup>st</sup> Conference Day

### Panel V Decontamination and Disinfection I

- Chairman: **Dr. Alexander Grabowski**, Bundeswehr Research Institute for Protective Technologies and NBC Protection (WIS)
- 14:30 Introduction by the Chairman
- 14:40 **Fukushima - Challenge in Radiological Decontamination**  
**Masao Uemura**, Project Manager Decontamination, Kaigai Corporation, Japan
- 15:00 **Dirty Bombs and the Decontamination of Infrastructure**  
**Dr. Nikolaus Schneider**, Bundeswehr Research Institute for Protective Technologies and NBC Protection (WIS)
- 15:20 **Aerosol Technology for the CB Decontamination of Interiors with Sensitive Surfaces**  
**Dr. Markus Kostron**, Kärcher Futuretech GmbH
- 15:40 **Body Surface Delayed Decontamination: is it Worth Showering?**  
**Colonel Denis JOSSE**, French Army Medical Services, currently on secondment at the Alpes-Maritimes Fire and Rescue Services (SDIS06).
- 16:00 Discussion Round with Panellists and Audience
- 16:15 Coffee Break

### Panel VII Training Procedures / CBRN Training

- Chairman: **LtCol Georg Gnan**, Bundeswehr Joint Support Command
- 14:30 Introduction by the Chairman
- 14:40 **The Impact of the 2010 Lisbon Summit on CBRN Defence Training**  
**LtCol Bernd Allert**, WMD Non-Proliferation Centre
- 15:00 **CBRN-Training in Civil Protection in Germany - Federal Aspects**  
**Dr. Dorothee Friedrich**, Federal Office of Civil Protection and Disaster Assistance (BBK), Bonn
- 15:20 **Exercise Clean Care: a Unique CBRN Medical Training Event for NATO**  
**Colonel Prof. Dr. Frederic Dorandeu**, IRBA-CRSSA, Toxicology and Chemical Risks Department
- 15:40 **Real Experience Training for CBRN response**  
**John Saunders**, Argon Electronics UK
- 16:00 Discussion Round with Panellists and Audience
- 16:15 Coffee Break

### Panel VI Evaluation / Prognosis / Consultation

- Chairman: **LtCol Frank Kaemper**, NATO SACT
- 14:30 Introduction by the Chairman
- 14:40 **CBRN Reachback & Fusion (RB&F) Experimentation – The Role of the JCBRN Defence COE to close a Critical CBRN Capability Lack**  
**Colonel (GS) Rainer Schulte**, JCBRN Defense COE
- 15:00 **Toxic Load Approach for Consequence Assessment Modelling**  
**Harald Weber**, CBRN Defense School, Germany
- 15:20 **CT-ANALYST – Fast and Accurate CBR Emergency Assessment**  
**Professor Michael Schatzmann**, KlimaCampus, University of Hamburg (tbc)
- 15:40 **Evaluation - Observations on Purpose and Focus**  
**Colonel (ret.) Hans H. Kühli**, CBRN Defense Expert
- 16:00 Discussion Round with Panellists and Audience
- 16:15 Coffee Break

### Panel VIII Integrated CBRN Detection Solutions – Mission Proof Panel Organized by Bruker Daltonik

- Chairman: **LtCol Wolfgang Reich**, Bundeswehr Joint Support Command
- 14:30 Introduction by the Chairman
- 14:40 **Mobile CBRN Detection – One size fit's all?**  
**Alexander Müller**, Bruker Daltonik
- 15:00 **Fukushima and Thoughts about the CBRN Situation in Germany**  
**Dipl.-Chem. Mario König**,  
Head of Analytical Task Force, Mannheim Fire Department
- 15:20 **Reliable Instrumentation – A Prerequisite for Successful CBRN Protection**  
**Tibor Mikes**, National Institute for Nuclear, Chemical and Biological Protection, Czech Republic
- 15:40 **Fifteen Years Mobile Mass Spectrometry in Missions – Development of Operational Procedures**  
**Dr. Manfred Metzulat**, Bundeswehr Joint Support Command
- 16:00 Discussion Round with Panellists and Audience
- 16:15 Coffee Break



## Programme of the Panel Sessions of the 2<sup>nd</sup> Conference Day

### Panel IX Risk Communication / Crisis Communication

Chairman: **Colonel Klaus-Werner Schiff**, GE CBRN Defence School

11:00 Introduction by the Chairman

11:10 **Communication of Risks and Risk Communication. Biosecurity and the new dual use dilemma.**

**Dr. med. Dr. phil. Petra Dickmann**, London School of Economics

11:30 **Psychosocial Crisis Management in CBRN Incidents**

**Mark Overhagen**, Federal Office for Civil Protection and Disaster Assistance

11:50 **Risk Perception of CBRN Attacks in the General Public**

**Dr. Dieter Rhode**, Chair Health and Prevention, Ernst-Moritz-Arndt-University

12:10 **Milieu Specific Crisis Communication**

**Dominik P.H. Kalisch**, Fraunhofer IAO

12:30 Discussion Round with Panellists and Audience

12:45 Luncheon

### Panel XI C - Reconnaissance/Analysis/Forensics

Chairman: **Dipl.-Chem. Mario König**,  
Head of Analytical Task Force, Mannheim Fire Department

11:00 Introduction by the Chairman

11:10 **Civil – Military Collaboration in CBRN:  
Fulfilling the Capability Requirement for Detection of Chemical Warfare  
Agents and Toxic Industrial Chemicals**

**Ruud Busker**, TNO, Netherlands

11:30 **Field-Portable GC/MS for the Rapid Identification of Chemical Threats**

**Kenneth Fredeen**, Smiths Detection

11:50 **Design and Assessment of two New Chemical (CWA, TICs) and Toxins  
Agents Identification Systems Based on Mass Spectrometry**

**Stéphane Morel**, Thales Communication & Security

12:10 **A New Robotic Solution for CBRN Defence**

**J.P. Monet**, Departmental Fire and emergency brigade of Bouches-du-Rhone

12:30 Discussion Round with Panellists and Audience

12:45 Luncheon

### Panel X Personal and Collective Protection

Chairman: **LtCol Thomas Georg Haake**, CBRN Defence School, Germany

11:00 Introduction by the Chairman

11:10 **COLPRO: Idea - Requirements - Reasonable Integration**

**RDir'in Elke Reifer**, Bundeswehr Research Institute for Protective  
Technologies and NBC Protection (WIS)

11:30 **COLPRO in Modern Conflict**

**James Davidson** and **Simon Reed**, Smiths Detection

11:50 **A New CBRN-Suit for the Future Infantry(wo)man (Infanterist der  
Zukunft IdZ)**

**RDir F. Hesse**, Bundeswehr Research Institute for Protective Technologies and  
NBC Protection (WIS)

12:10 **CBRN-Protection by Selective Permeable Membrane vs. Active Carbon**

**Dr. Samuel Wu**, Perfect Defense Technology, Taiwan

12:30 Discussion Round with Panellists and Audience

12:45 Luncheon

### Panel XII B - Reconnaissance/Analysis/Forensics

Chairman: **Dr. B. Niederwöhreier**, Bundeswehr Research Institute for Protective  
Technologies and NBC Protection (WIS)

11:00 Introduction by the Chairman

11:10 **Challenges of the Biological Aerosol Background on Biological Detection**

**Janet Martha Blatny**, Norwegian Defence Research Establishment (FFI)

11:30 **Forensic Aspects in Medical Bio Reconnaissance**

**LtCol (MC) Dr. Roman Wölfel**, Bundeswehr Institute for Microbiology

11:50 **Rapid and Easy Detection of Bio-Threat Agents in the Field**

**Dr. Sybille Pagel-Wieder**, miprolab

12:10 **Biological Inactivation as Challenge for B-Analysis**

**ORR'in Dr. Birgit Hülseweh**, Bundeswehr Research Institute for Protective  
Technologies and NBC Protection (WIS)

12:30 Discussion Round with Panellists and Audience

12:45 Luncheon





## Programme of the Panel Sessions of the 2<sup>nd</sup> Conference Day

### Panel XIII N/R - Reconnaissance/Analysis/Forensics

- Chairman: **LtCol Matthias Arnold**, CBRN Defence School, Germany
- 11:00 Introduction by the Chairman
- 11:10 **Localization of Radioactive Source Carriers in Person Streams**  
**Martin Ulmke**, Fraunhofer FKIE
- 11:30 **Finding that Needle in a Haystack**  
**Alec Morton**, James Fisher
- 11:50 **Search Procedures for Illicit Nuclear and Radioactive Material**  
**Theo Köble**, Fraunhofer INT
- 12:10 **Imaging Stand off Detection of Explosives by Infrared Backscattering Spectroscopy using Quantum Cascade Lasers**  
**Dr. Harald D. Müller**, Fraunhofer IAF
- 12:30 Discussion Round with Panellists and Audience
- 12:45 Luncheon

### Panel XV Medical CBRN-Response

- Chairman: **Prof. Dr. Jean Luc Gala**, Belgian Defence Laboratories
- 11:00 Introduction by the Chairman
- 11:10 **Medical Countermeasures Against Chemical Warfare Agents: Challenges for the Future**  
**Colonel Prof. Dr. Frederic Dorandeu**,  
IRBA-CRSSA, Toxicology and Chemical Risks Department
- 11:30 **Topic to be determined**  
**N.N.**, Speaker in call
- 11:50 **Therapy Monitoring of Nerve Agent Poisoning in the Field**  
**Colonel, MC, Prof. Dr. Franz Worek**,  
Bundeswehr Institute for Pharmacology and Toxicology
- 12:10 **Human Biomonitoring – a Versatile Tool in the Aftermath of a CBRN Incident**  
**Prof. Dr. Michael Müller**, University of Göttingen, Member of the Commission on Civil Protection of the Federal Ministry of the Interior
- 12:30 Discussion Round with Panellists and Audience
- 12:45 Luncheon

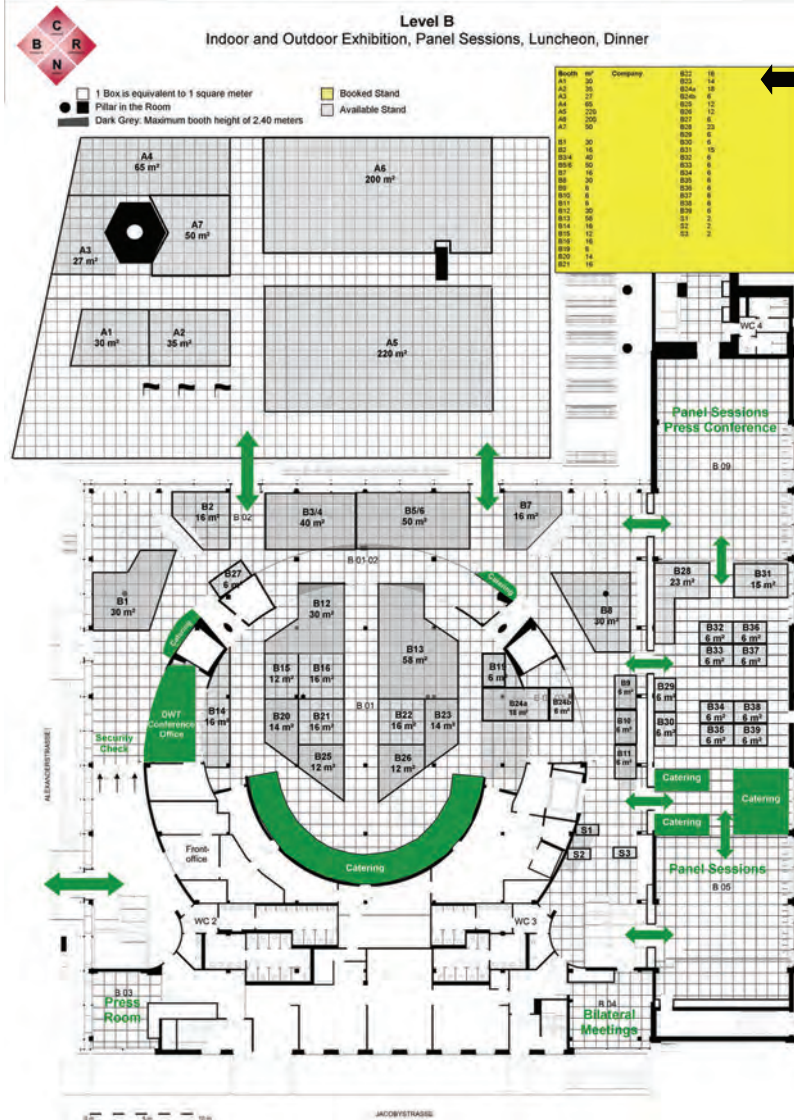
### Panel XIV Decontamination and Disinfection II

- Chairman: **Dr. Walter Biederbick**,  
Federal Office of Civil Protection and Disaster Assistance
- 11:00 Introduction by the Chairman
- 11:10 **Green Decontamination: A new approach to efficient CBRN decontamination**  
**Dr. David Crouch**, Product Manager, PDX
- 11:30 **Wastewater Treatment after CBRN-Decontamination**  
**Siegmar Mühlenbrock**, Federal Office of Defence Administration
- 11:50 **CBRN Decontamination / Detoxication Operation in High Visibility Event and SX34 System for CBR Decon of Sensitive Equipment**  
**Dr. Stefano Miorotti**, Cristianini
- 12:10 **Operational Aspects of the CBRN Decontamination of Sensitive Equipment**  
**Hans-Joachim Töpfer**, Kärcher Futuretech GmbH
- 12:30 Discussion Round with Panellists and Audience
- 12:45 Luncheon

### Panel XVI Training Procedures / Practical Training

- Chairman: **Prof. Dr. Elke Jahn**, Institute of the Fire Department of Sachsen-Anhalt
- 11:00 Introduction by the Chairman
- 11:10 **The “Terror-Lab” – A Detection and Training Challenge!**  
**Dipl.-Ing. Marina Hagl**, CBRN Defence School, Germany
- 11:30 **Training System for Radiacs for Realistic Scenarios without Use of Radioactive Sources**  
**Dr. Jürgen Böttcher**, Thermo Fisher Scientific
- 11:50 **CBR Additional: EOD, IEDs, Anthrax Letters and Training with Simulation Substance TOXsim**  
**Claus-Peter Polster**, Senior Project Manager, Hazard Control Engineering, Germany, Formerly Safety Officer Chemical Weapons, OPCW, The Hague, NL
- 12:10 **Scenario-Based Bio Recon Training at the Bundeswehr Institute of Microbiology**  
**LtCol (MC) Dr. Roman Wölfel**, Bundeswehr Institute for Microbiology
- 12:30 Discussion Round with Panellists and Audience
- 12:45 Luncheon

## Floor Plans of the Conference Centre



## The Conference Centre

### Conference Level B (Ground Floor)

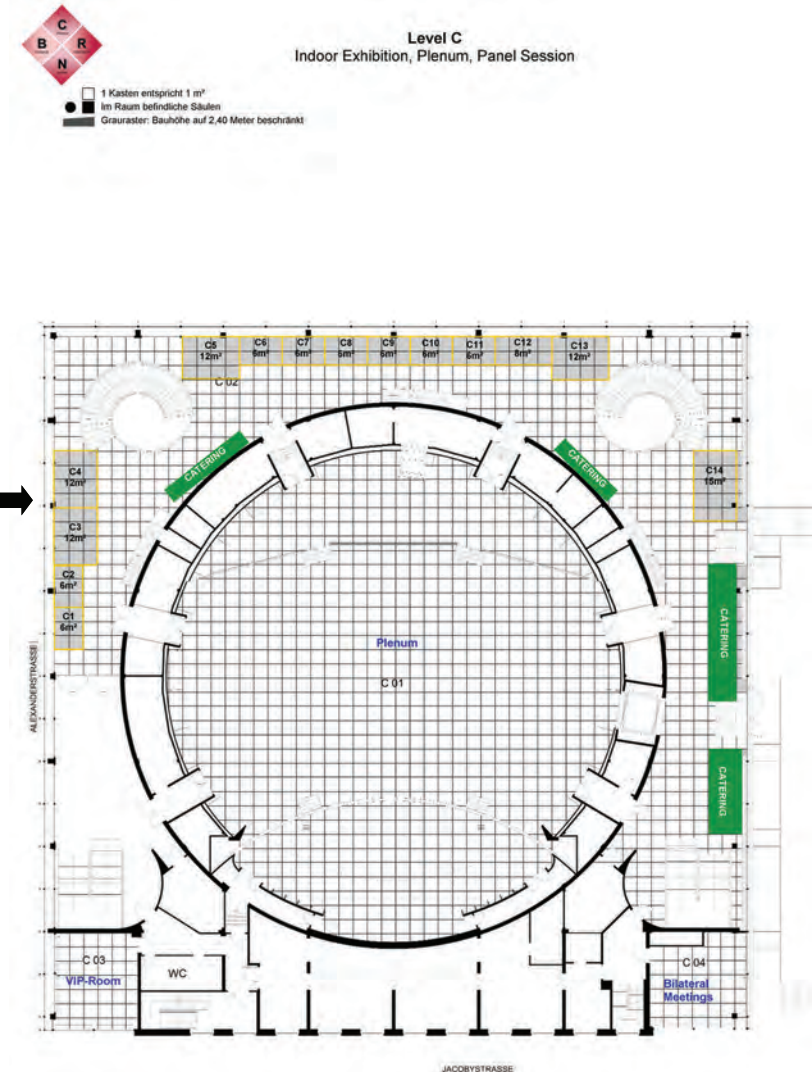
- 43 Exhibition Stands in the Indoor Area from 1 - 30 m<sup>2</sup> (Stands up to 90 m<sup>2</sup> available)
- Up to 10 Exhibition Stands in the Outdoor Area from 30 to 250 m<sup>2</sup>
- Conference Area for Exhibition, Panel Session, Luncheon and the Evening Reception
- Main Entry / Security Check

### Conference Level C (1st Floor)

- 14 Exhibition Stands in the Indoor Area from 6 - 15 m<sup>2</sup>
- Conference Area for Exhibition, the Plenary Programme, Panel Session, Luncheon

### Conference Level A (Basement)

- Registration, Cloakroom, Security Check
- Panel Sessions





## Exhibition and Sponsoring Options

### Basic Options

#### Mini-Booth / 1.200,- Euro

- Exhibition Stand of 1 m<sup>2</sup> and an advertising column
- Stand in the area for small and medium sized companies
- Bar table and Barstool included
- Free Entry for 1 Member of your Company
- Basic Services (see below)

#### Basic-Booth / 2.900,- Euro

- Exhibition Booth of 6 m<sup>2</sup> (3x2 Meters)
- Exclusively in this size
- Free Entry for 2 Members of your Company
- Basic Services (see below)

#### Exhibition Booth / 510,- Euro per m<sup>2</sup>

- Exhibition Booth of your choice
- Free Entry for 2 Members of your Company (<10 m<sup>2</sup>)
- Free Entry for 3 Members of your Company (<15 m<sup>2</sup>)
- Free Entry for 4 Members of your Company (<20 m<sup>2</sup>)
- Basic Services (see below)

#### Outdoor Exhibition / 200,- Euro per m<sup>2</sup>

- Exhibition Space in the outdoor area
- 100,- Euro per m<sup>2</sup> in combination with a Booth or Sponsoring Option

#### Advertisement in Conference Magazine

- Advertisement in the Conference Magazine (2.500 copies)
- 1/1 page 4c: 1.000,- Euro
- 1/2 page 4c: 700,- Euro
- U4 page 4c: 1.750,- Euro

#### Conference Proceedings / 500,- Euro

- Your information for each visitor of the conference
- Give aways / information booklets / ...

#### Basic Services

The Basic Options contain a Basic Booth (Carpet, white Walls) in the "Octanorm-System", WLAN, Electricity, Booth Cleaning, Security-Charge and your Company Logo and Profile in the Conference Magazine.

### Sponsoring Options

#### Gold Sponsoring / 38.900,- Euro

- Exhibition Booth of 30 m<sup>2</sup>
- Key Note Speech Industry (1<sup>st</sup> day, ~ 30 minutes)
- Your own Panel Session (~ 105 minutes)
- VIP-Luncheon with up to 50 guests
- Free Entry for 10 Members of your company (+speaker)
- 1/1 Page Advertisement inside the conference Magazine
- Sponsoring Services (see below)

#### Silver Sponsoring / 17.900,- Euro

- Exhibition Booth of 20 m<sup>2</sup>
- Key Note Speech Industry (2<sup>nd</sup> day, ~ 25 minutes)
- Speech in a Panel Session (~ 20 minutes)
- Free Entry for 6 Members of your company (+speaker)
- 1/1 Page Advertisement inside the conference Magazine
- Sponsoring Services (see below)

#### Bronze Sponsoring / 8.900,- Euro (still 3x available)

- Exhibition Booth of 12 m<sup>2</sup>
- Speech in a Panel Session (~ 20 minutes)
- Free Entry for 4 Members of your company (+speaker)
- 1/2 Page Advertisement in the conference Magazine
- Sponsoring Services (see below)

#### Lunch/Dinner Sponsor / 15.900,- Euro

- Exhibition Booth of 9 m<sup>2</sup>
- Company branding during Lunch/Dinner
- Free Entry for 4 Members of your company
- 1/2 Page Advertisement in the conference Magazine
- Sponsoring Services (see below)

#### Icebreaker Sponsor / 14.900,- Euro

- Sponsoring of the official Icebreaker-Reception
- Dinner Speech of 10-15 minutes
- Exhibition Booth of up to 12 m<sup>2</sup>
- Free Entry for 4 Members of your company (+speaker)
- Sponsoring Services (see below)

#### Sponsoring Services

The Sponsoring Packages contain a Basic Booth (Carpet, white Walls) in the "Octanorm-System", WLAN, Electricity, Booth Cleaning, your Company Logo and Profile in the Conference Magazine, Security-Charge, Inserts for the Visitor-Information and 20% discount for additional tickets.



The „Mini-Booth“ is the smallest exhibition option, designed for small and medium sized companies.

Four one-meter-walls (i.e. for Posters) and a small exhibition space open the opportunity to take part in the exhibition and the conference even with a small budget.

Besides this, the company profile will be released online and in the conference magazine.

In this conception, free entry for one Person is included, also at the exclusive Pre-Event-Reception.



Larger booth concepts beginning with the **Bronze-Sponsoring** Level offer enough space for exhibits and a communication area.

#### Contact for Sponsors and Exhibitors Stephan Brüss

Conference Management and Marketing  
Tel.: +49-228-41098-12, Fax: +49-228-41098-19,  
mobile: +49-171-4704799,  
stephan.bruess@dwt-sgw.de



Re-Fax to: +49 228 4 10 98 - 19 / -29 or online at [www.cbrn-symposium.com](http://www.cbrn-symposium.com)

We take part in the „2<sup>nd</sup> International Symposium on Development of CBRN Defence Capabilities“ as an Exhibitor as mentioned below. **Registration Deadlines:** Exhibitors: September 28<sup>th</sup>, 2012 / Visitors: October 19<sup>th</sup>, 2012. **Visitor Cancellations:** Participants can cancel the attendance free of charge until October 08, 2012. Later cancellations will be fully charged. A substitute attendee can be nominated at any time. **Exhibitor Cancellations:** until July 20<sup>th</sup>, 2012: 5% charge / until August 24<sup>th</sup>, 2012: 50% charge / until September 20<sup>th</sup>, 2012: 70% charge / later than September 20<sup>th</sup>, 2012: full charge. **Exhibitor Payment Policy:** Exhibitors from D/A/CH can choose between an Invoice or Credit Card Payment, International Exhibitors have to use Online-Registration and Credit Card Payment, if not otherwise agreed upon.

**The easiest way to attend: online-registration at [www.cbrn-symposium.com](http://www.cbrn-symposium.com)**  
(you will receive no confirmation for your registration if you use the fax-registration)

Exhibitors / Sponsors	Basic Options for Exhibitors	Sponsoring Options for Exhibitors
	<input type="radio"/> <b>Mini-Booth</b> (1.200,- Euro)	<input type="radio"/> <b>Gold Sponsoring</b> (38.900,- Euro)
	<input type="radio"/> <b>Basic-Booth</b> (2.900,- Euro)	<input type="radio"/> <b>Silver Sponsoring</b> (17.900,- Euro)
	<input type="radio"/> <b>Exhibition Booth of</b> _____ m <sup>2</sup> (510,- Euro per m <sup>2</sup> )	<input type="radio"/> <b>Bronze Sponsoring</b> (8.900,- Euro)
	<input type="radio"/> <b>Outdoor Exhibition of</b> _____ m <sup>2</sup> (200,- Euro per m <sup>2</sup> )	<input type="radio"/> <b>Icebreaker Sponsor</b> (14.900,- Euro)
	<input type="radio"/> <b>Outdoor Exhibition of</b> _____ m <sup>2</sup> (100,- Euro per m <sup>2</sup> )	<input type="radio"/> <b>Lunch Sponsor</b> (15.900,- Euro)
	<input type="radio"/> <b>Inserts for Conference Proceedings</b> (500,- Euro)	<input type="radio"/> <b>Dinner Sponsor</b> (15.900,- Euro)

Visitors	Conference Rates for Visitors <i>Please register Online</i>
	The conference rates include access to the main and panel programme, the exhibition areas, attendance at the Ice-Breaker-Reception, lunch, dinner and refreshments. Industry rates also include the conference summary.
	<input type="checkbox"/> <b>Free Attendance (0,- Euro)</b> <i>Authorities, Military (acting), Police, Ministries, Embassies, Official Delegations Foreign Countries, Press</i>
	<input type="checkbox"/> <b>Research Rate (75,- Euro)</b> <i>Universities, Institutes</i>
	<input type="checkbox"/> <b>Industry Full Rate (945,- Euro)</b> <i>Industry Attendance both Days</i>
	<input type="checkbox"/> <b>Industry One-Day-Rate (545,- Euro)</b> <i>Industry Attendance one Day</i>
	<input type="checkbox"/> <b>Ice-Breaker Reception</b> <input type="checkbox"/> <b>Attendance 1st Day</b> <input type="checkbox"/> Luncheon <input type="checkbox"/> Walking Dinner <input type="checkbox"/> I take part in Panel _____
	<input type="checkbox"/> <b>Attendance 2nd Day</b> <input type="checkbox"/> Luncheon <input type="checkbox"/> I take part in Panel _____

Company / Institution \*

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Title / Rank                      First Name \*                      Last Name \*

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Invoice Address \*

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Phone / Fax

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E-Mail \*

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City, Date \*                      Signature \*, Stamp

All prices subject to German VAT (19%)

**Important notes:**  
 With your accreditation you agree to the storage of your personal data for events of the German Association for Defence Technology - Centre for Studies and Conferences according to GE law. You will receive an entrance card ca. 3 weeks in forefront of the conference in case your registration has been successful and accepted. Only complete and precise accreditations will be accepted. All prices subject to German VAT. Free attendance to be verified by the organizer. According to the our security standards your participation might have to be approved by German security authorities.

**Liability:**  
 In case of cancellation for any reasons, registered participants and exhibitors will be notified immediately and any participation and exhibition fees will be reimbursed. In this regard, the liability of SGW shall be limited to the participation and exhibition fees.

**Organisation:**  
 Studiengesellschaft der Deutschen Gesellschaft für Wehrtechnik mbH  
 Hochstadenring 50, D-53119 Bonn, [www.dwt-sgw.de](http://www.dwt-sgw.de)  
 Managing Director: LtCol (ret.) Dipl.-Ing.(FH) Wolf Rauchalles,  
 Tel.: +49-228-41098-0, Fax: +49-228-41098-19, [info@dwt-sgw.de](mailto:info@dwt-sgw.de);  
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