

Bundeswehr Research Institute
for Protective Technologies
and NBC-Protection



BUNDESWEHR

Agenda

12 June 2023

18:00 Registration

19:00 Icebreaker

13 June 2023

08:00 Registration

08:45 Administrative Remarks

08:50 Opening of the Symposium : Dr. Frank Sabath, Director WIS and Chairman of NATO Joint CBRN Defense Capability Development Group

9:00 **Session 1 – General Overviews; Concepts; Support**

9:05	Krüger, Andreas Bauer, Kristine	DEU	GEKA Fraunhofer IGD	The Dethlinger Teich – A new and unpredictable challenge in chemical weapons recovery
9:50	Greulich, Bernd	DEU	CBRN Defence Command	Decontamination in Military Operations of the German Army

10:15 **Coffee Break**

10:45	Luchterhand, Udo	DEU	Federal Police	Law enforcement vs. CBRN-Threats with Joint German Federal Capacities. A view into the UVB-CBRN
11:10	Hellmuth, Markus	DEU	Kärcher Futuretech	The Role of WIS Collaboration with KFT in CBRN Decontamination Innovation
11:35	Chen, Ravid	ISR	IIBR	Chemical Warfare Agent Fate Challenges

12:00 **Lunch**

13:15 Session 2 – Decontamination : Research (I)

13:15	Schmidt-Bleker, Ansgar	DEU	Nebula Biocides	Sporosan - High Level Disinfectants Based on the Novel Agent Peroxynitrous Acid (ONOOH)
13:40	Kazi, Zakir	CAN	DRDC	Decontamination of Sensitive Equipment from Radioactive Content
14:05	Myers, Joseph	USA	DEVCOM CBC	ClearDecon: A Novel Surface Decontaminant Solution for Chemical and Biological Warfare Agents
14:30	Kluge, Kathrin	DEU	WIS	Dry Fog as Biological Interior Decontamination Procedure

14:55 Coffee Break; Poster Session; Exhibition

16:00 Session 3 – Protection : Research (I)

16:00	Parot, Sandrine	FRA	DGA MNRBC	A Manikin MAT to Test Protective Clothing for the French Armed Forces
16:25	van Wuijckhuijse, Arjan	NLD	TNO	Set-up for Evaluation of Physical Protection Fabrics against Aerosol Based Threats
16:50	Yu, Seung Jung	KOR	ADD	Development of Dynamic Swatch Testing System for Evaluating Protection Capabilities of Chemical Warfare Agents in a Liquid Aerosol Phase
17:15	Nothhelfer, Martin Wiemann, Jana	DEU	IUTA WIS	Aerosol System Test of IPE: Protection Factor Topography Based on Low-Cost Sensors and an Articulated Manikin

17:40 End of Day 1, Shuttle to Hotels

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8:30 **Session 4 – Decontamination : Equipment (I);**

08:35	Schuppler, Thilo	DEU	DST Innovation	Operational Decontamination and Tactical “Far-Forward” Decontamination
09:00	Rothbacher, Dieter	USA/ AUT	Timilon	Chemical (CWA/TICs) Incidents - Why Dry Decontamination
09:25	Münchmeyer, Wolf	DEU	Airsense	AIRSENSE AIR FOG Case, Final Disinfection by automated fine fogging – a development report
09:50	Lancelin, Henri	FRA	Proengin	The S4PF: A New Tool to Control the Quality of Decontamination Against FGA

10:15 **Coffee Break**

10:45 **Session 5 – Protection : Equipment (I)**

10:45	Arnold, Andreas	DEU	Blücher	Air permeable CBRN Protective Garments – Functional Achievements and Future Challenges
11:10	Cho, Kyeong Min	KOR	ADD	Development of Chemical and Biological Protective Clothing towards Aerosol Threats with Low Thermal Burden and High Durability
11:35	Pohl, Sebastian	DEU	Etna	Future COLPRO Systems and their Capabilities

12:00 **Lunch**

13:15 **Session 6 Poster Session – Exhibition – Technology Demonstration**

Coffee/Refreshments available throughout the session/exhibition

14:45 Session 7 – Protection/Decontamination; Applications (I)

14:50	Taoufiq, Amin	POR	Portuguese Army	REUSE: Bio-Decontamination of Filtering Face Piece Respirators and Masks for Reuse Project Dissemination
15:15	Bauer, Gerald	AUT	CBRN Def. Centre	Behaviour of Radioactive Particle Matter Contamination on Personal Protective Equipment Used in the Military
15:40	Mizrahi, Dana	ISR	IIBR	Fabrication and Testing of Novel Antibacterial and Antiviral Surgical Masks
16:05	de Koning, Martijn	NLD	TNO	Synthesis and Evaluation of Metal-Organic Frameworks for Novel Protective Clothing Concepts
16:30	Nagwekar, Rajal	DEU	HSU	Active Exoskeletons to Alleviate Physical Stress while wearing CBRN Protective Equipment

17:00 End of Day 2, Shuttle to hotels

19:00 Conference Dinner

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08:30 Session 8 – special topic – aircrafts;

08:35	Ouvry, Ludovic	FRA	Ouvry	Opps - CBRN Pilot Protective System
09:00	Ostertag, Philipp	DEU	Autoflug	Flexible Transport Solution of Contaminated Personnel for Austrian C130 & Status of Current CBRN Protection of Military Aviators
09:25	Klaus, Joachim	DEU	Lufthansa	Hygiene/Cleaning Solutions to Boost Passenger Confidence

09:50 Coffee Break

10:20 Session 9 — Protection; Research (II)

10:20	Fernandez Velasco, Leticia	BEL	Royal Military Academy	Analysing the Influence of Sequential Gas-Vapour Sorption and Temperature on the Breakthrough Time of Carbon Filters
10:45	Nir, Ido	ISR	IIBR	Anti-ageing Phosphate Additive for Impregnated Activated Carbon
11:10	Polyzoidis, Angelos	DEU	Fraunhofer ICT	Activated Carbon/Ni-MOF-74 Composite with Outstanding H ₂ S and NH ₃ Capture Capacity
11:35	Spranger, Felix Dawert, Thomas	DEU	Fraunhofer IWS, WIS	COLPRO intelligent...the Jack of all Trades for Air Filtration Units?

12:00 Farewell; End of Symposium

12:15 Lunch

13:30 Shuttle to hotels