



THE 10TH SCIENTIFIC CONFERENCE EPIMILITARIS 2024

CBRNE Epidemiology and Security – A Decade of Experience

11-13 March 2024 ‘Zamek Ryn’ Hotel.

Honorary Patronage



Deputy Prime Minister and Minister for National Defence
Mr Władysław Kosiniak - Kamysz

Scientific Patronage



Vice-Rector of the Jagiellonian University Medical College
Prof. dr hab. Tomasz Grodzicki

Organizers:

1. Epidemiological Response Centre of the Polish Armed Forces,
2. Association of Defense Communities Movement,
3. Military Institute of Armament Technology,
4. Jagiellonian University. Medical College. Department of Disaster and Emergency Medicine,
5. Institute of Optoelectronics of the Military University of Technology,
6. Polish Naval Academy.



Partners:



Scientific Committee

prof. dr hab. Tomasz Grodzicki – Vice-Rector of the Jagiellonian University Medical College
prof. dr hab. Krzysztof Pyrc – Leader of the Virology Laboratory at the Małopolskie Centre of Biotechnology of the Jagiellonian University
prof. dr hab. COL (ret.) pilot Maciej Marszałek - Association of Defense Communities Movement/War Studies University
Rear admiral prof. dr hab. Tomasz Szubrycht – Rector - Commandant of the Polish Naval Academy
prof. dr hab. Andrzej Makowski – Faculty of Command and Naval Operations of the PNA
dr hab. Jarosław Teska, prof. – Vice-Rector for Education and Students Affairs of the Polish Naval Academy in Gdynia
Arkadiusz Kosowski MD, PhD – Director of the Military Health Service Department
COL Paweł Sweklej, PhD, Eng - Director of the Military Institute of Armament Technology
COL (ret) dr hab. eng. Rafał Bazela- Military Institute of Armament Technology
COL Radosław Warchoń, PhD, Eng- Vice-Director of the Military Institute of Armament Technology
CDR dr hab. Bartłomiej Pączek – Dean of the Faculty of Command and Naval Operations of the PNA
dr hab. Mateusz Kuczabski, MD PhD – Director of the Independent Public Health Care Facility PIASTUN/ War Studies University
LT CDR dr Wojciech Sokołowski – Vice-Dean of the Faculty of Command and Naval Operations of the PNA
COL Radosław Skrzypczyński, MD - Commandant of the Epidemiological Response Centre of the Polish Armed Forces
Anna Mróz – Jagiełło, PhD – President of the Association of Defense Communities Movement/War Studies University
plk dr Anna Osowska – Rembecka – Vice-President of the Association of Defense Communities Movement
Arkadiusz Trzos, MD PhD – Jagiellonian University Medical College
LTC Jacek Stempień, PhD Eng. - Vice-President of the Association of Defense Communities Movement MAJ
Izabela Tomaszewska, PhD - Epidemiological Response Centre of the Polish Armed Forces
dr Dariusz Nowak – Board member of the Association of Defense Communities Movement

Organizing Committee

LTC Grzegorz Irzyk - Epidemiological Response Centre of the Polish Armed Forces
LTC Linda Rawicka - Epidemiological Response Centre of the Polish Armed Forces
Anna Mróz – Jagiełło, PhD – President of the Association of Defense Communities Movement
MAJ Izabela Tomaszewska, PhD – Epidemiological Response Centre of the Polish Armed Forces
Jarosław Walczak, PhD – Military Institute of Armament Technology/ Association of Defense Communities Movement
COL Paweł Sweklej, PhD Eng. - Director of the Military Institute of Armament Technology
LTC Jacek Stempień, PhD Eng. – Vice-President of the Association of Defense Communities Movement
LTC Agata Przewrocka- Plak, Vet. Dr - Epidemiological Response Centre of the Polish Armed Forces
LTC Katarzyna Sala, MSc – Association of Defense Communities Movement
LTC Łukasz Krzowski – Military University of Technology
Capt. Anna Pogorzelska - Epidemiological Response Centre of the Polish Armed Forces
Małgorzata Nadulicz, MSc – Military Institute of Armament Technology/Association of Defense Communities Movement
Karolina Ćwik - Kącka MSc – Military Institute of Armament Technology
Aldona Przybylska MSc - Lemieszczuk – Military Institute of Armament Technology
Marta Adamczewska, MSc- Association of Defense Communities Movement

CONFERENCE AGENDA	
11.03.2024 (Monday) – Day 1	
10.30-13.00	Participants registration
12.00-13.00	Lunch
Kick-off Session Jagiellon Hall	
13.00-14.00	Conference Opening and welcome President of the Association of Defense Communities Movement dr Anna Mróz – Jagiello Commandant of the Epidemiological Response Centre of the Polish Armed Forces COL Radosław Skrzypczyński, MD Acknowledgements and presentation of commemorative statues
14.00-14.30	Key-note speech 1 <i>CBRNE as a strong attribute for military deterrence</i> Prof. dr hab. COL (ret.), pilot Maciej Marszałek - Association of Defense Communities Movement/War Studies University
14.30 15.00	Key note lecture 2 <i>„How it all started” About the history of development of the Epimilitaris conference</i> COL (ret.) Artur Zdrojewski, MD – The 1st Commandant of the Epidemiological Response Centre of the Polish Armed Forces between 2005 – 2015
15.00-15.20	Discussion
15.20-15.50	Group Photo Coffee Break
Panel 1	
Jagiellon Hall	
Moderator: dr Artur Zdrojewski	
15.50-16.10	<i>Mechanisms for responding to cross-border health threats at the EU level as an important component of state security</i> dr Anna Baumann-Popczyk - Director of the Department of Epidemic Prevention and Border Sanitary Protection of the Chief Sanitary Inspectorate, Chief Sanitary Inspectorate
16.10-16.30	<i>Health security - systemic and social resilience in the era of global emergencies</i> dr hab. Mateusz Kuczabski - Director of the Independent Public Health Care Centre PIASTUN
16.30-16.50	<i>Development and maintenance of the rescEU program of EU reserves in the form of stocks of countermeasures available in case of chemical, biological, radiological and nuclear incidents or personal protective equipment used in the context of CBRN</i> Krystyna Sikorska, MSc - Government Strategic Reserve Agency
16.50-17.10	<i>Medical holographic technology and artificial intelligence (AI) versus therapeutic activities and medical operations - legal security-related aspects</i> dr Ewa Cisowska- Sakrajda - Academy of Justice in Warsaw
17.10-17.30	<i>Surveillance of threats posed by transboundary infectious diseases - selected experiences of the State Sanitary Inspectorate</i> dr Anna Baumann-Popczyk - Director of the Department of Epidemic Prevention and Border Sanitary Protection of the Chief Sanitary Inspectorate, Chief Sanitary Inspectorate
17.30-17.50	<i>Industrial complex and tasks carried out for the armed forces or national defense</i>

	dr Jaroslaw Walczak - Military Institute of Armament Technology
17.50-18.00	Discussion
18.00-19.00	Concert by the Military Orchestra.
20.00-02.00	Gala Dinner

12.03.2024 (Tuesday) – Day 2

9.00-11.30	PRACTICAL DEMOS – The meadows near the Castle, the parking lot in front of the main entrance and the Grand Chapter Hall	
CBRNE recon management.		
Instructor: LTC Łukasz Krzowski¹, MAJ Aleksandra Sieńko²		
¹ Centre for Biomedical Engineering, Institute of Optoelectronics of the Military University of Technology		
² Epidemiological Response Centre of the Polish Armed Forces.		
Including a biological recon team of the Military Preventive Medicine Centre in Modlin		
9.00 – 9.10	Introduction to the scenario, presentation of the participants	Jagiellon Hall
Presentation outside the hotel		
9.15 – 10.15	Practical demo – teams and services cooperation during CBRNE recognition part.	Parking place – close to the hotel entrance
Rescue and medical care of casualties exposed to CBRNE		
Instructor: dr Arkadiusz Trzos³,		
³ Jagiellonian University, Medical College. Department of Disaster and Emergency Medicine		
10.15 – 10.15	I stage of the rescue and medical care	Parking place – close to the hotel entrance
Back to the hotel – Wielki Kapitularz Hall – II floor		
10.30 – 11.30	Following stages of the rescue and medical care	Wielki Kapitularz Hall
11.30 – 11.50	Coffee Break	
Panel 2		
Jagiellon Hall		
Moderator: dr Arkadiusz Trzos		
11.50-12.20	<i>Threats of the 21st century</i> Prof. dr hab. Krzysztof Pyrc - Leader of the Virology Laboratory at the Malopolska Biotechnology Centre of the Jagiellonian University.	
12.20-12.40	<i>CBRNE medicine project - Procedures of rescue-medical care management of a casualty exposed to CBRNE environment in the pre-hospital and early hospital stages - a proposal for standardization of rescue-medical management in the face of modern CBRNE threats</i> dr Arkadiusz TRZOS - Head of the Department of Disaster and Emergency Medicine Jagiellonian University Medical College	

12.40-13.00	<i>Disinfection system for epidemic protection of the Polish Armed Forces</i> prof. dr hab. Eng. MAJ. GEN (ret.) Zygmunt Mierczyk - Centre for Biomedical Engineering, Institute of Optoelectronics, Military University of Technology
13.00-13.10	Discussion
13.10 - 14.00	Lunch
Panel 3 Jagiellon Hall Moderator: dr Pawel Stobiecki	
14.00-14.20	The use of artificial intelligence (AI) algorithms to identify toxins during CBRNE events dr Łukasz Łaczmański MD - Institute of Immunology and Experimental Therapy of the Polish Academy of Sciences
14.20-14.40	Development of genomic surveillance of the State Sanitary Inspectorate dr Anna Baumann-Popczyk - Director of the Department of Epidemic Prevention and Border Sanitary Protection of the Chief Sanitary Inspectorate, Chief Sanitary Inspectorate
14.40-15.00	A paradigm shift to combat indoor respiratory infection Anthony Intrepido MSc - Public Health Command Europe
15.00-15.20	<i>CBRN expert on medical countermeasures.</i> Marcin Stopa
15.20-15.30	Discussion
15.30-15.40	Short presentation of the content of the posters - authors of the posters
15.40 –16:00	Coffee Break Poster Session
Panel 4 Jagiellon Hall Moderator:LTC mgr Łukasz Krzowski, MSc	
16.00-16.20	Microbiota of ticks in military areas in Poland LTC Łukasz Krzowski - Centre for Biomedical Engineering, Institute of Optoelectronics of the Military University of Technology
16.20-16.40	Tick surveillance by the PHCE in 2023 dr Fabian Haas - Public Health Command Europe
16.40-17.00	Enterobacterales family bacilli that produce carbapenemases Joanna Sierzputowska, MD PhD , The 10th Military Clinical Hospital with Polyclinic SP ZOZ in Bydgoszcz
17.00 –17.20	Management of Pyrethroid-Resistant <i>Aedes aegypti</i> by Targeted Indoor Resistant Spraying and Passive Emanators CPT Michael W. Dunbar - Public Health Command Europe
17.20 -17.40	Aerosols- a serious CBRN threat. A gap in threat detection and identification capabilities Karolina Hytroś, Ewa Korbiel
17.40 –18.00	<i>Analysis of the threat of pneumococcal diseases in Poland and around the world in the context of the health policy program entitled "PneumoOnko" for the years 2024-2026</i> Col. Barbara Betiuk, MD - Military Institute of Medicine - National Research Institute
18.00-18.30	Discussion
19.00-20.00	Dinner

13.03.2024 (Wednesday) – Day 3

Panel 5

Jagiellon Hall

Moderator: dr Magdalena Zawadzka

9.00-9.20	Summary of the workshop session - research results, conclusions and recommendations.
9.20-9.40	<i>Assessing the knowledge and self-awareness of Polish soldiers regarding exposure to chemical and physical agents occurring in the service/work place</i> dr Magdalena Zawadzka - Military Institute of Hygiene and Epidemiology.
9.40-10.00	<i>Diver safety in the face of CBRN threats - decontamination of diving equipment</i> Adrian Grosz¹ MSc, dr hab. Grzegorz Grzeczka¹ ENG, dr n. med. Gabriela Henrykowska² dr hab. med. Piotr Siermontowski¹, ¹ Polish Naval Academy, ² Medical University in Lodz
10.00-10.15	<i>Threats to public safety posed by pyrotechnic products</i> Izabela Mazur, MSc, Eng. - Military Institute of Armament Technology
10.15-10.30	<i>Evolution of protective overalls in the context of recent global events</i> Monika Czapla
10.30-10.45	<i>Speed, efficiency and safety of decontamination - latest technologies compared to previous generation</i> Maciej Rajczuk
10.45-11.05	<i>Application of autonomous systems in warfare</i> dr Piotr Kasprzak ENG- Military Institute of Armament Technology
11.05-11.25	<i>Review and testing of pyrotechnic rocket igniters</i> dr Piotr Baran - Military Institute of Armament Technology
11.25- 11.40	<i>Modern methods of medical rehabilitation at the Military Medical Institute of the National Research Institute supporting national security</i> Lt. M. Eng. Michał Marciniak Military Institute of Medicine - National Research Institute
11.40-12.00	Discussion
12.00-12.30	Conference conclusion and closing
12.30-13.30	Lunch