



Programme of the international scientific conference
**Science for Security —
Results of Scientific Research and Development Works**

Date: 25-26 May 2023

Venue: Władysław Stasiak Auditorium of the Police Academy in Szczytno
(Library building, 3rd floor)

25 May 2023:

- 8.15 – 9.00** Registration of conference participants
- 9.00 – 9.15** Opening of the conference — Brig. Gen. Assoc. Prof. Iwona Klonowska, Commandant-Rector of the Police Academy in Szczytno
- 9.15 – 9.30** Speeches by invited guests: representative of the Minister of the Interior and Administration and the National Police Chief
- 9.30 – 9.45** Speech by Rafał Sobolewski, Director of the Department of Program and Project Management for State Security and Defense at the National Centre for Research and Development
- 9.45 – 10.05** Science and security. Cognitive and methodological contexts — Assoc. Prof. Bogdan M. Szulc
- 10.05 – 10.20** IDEAS NCBR AI solutions for security — Dr. Tomasz Michalak, Ideas NCBR Ltd.
- 10.20 – 10.35** Europe as a subject of global security — Assoc. Prof. Wojciech Gizicki, John Paul II Catholic University in Lublin
- 10.35 – 10.50** Scientific research and development works and university evaluation, Habil. Dr. Agata Tyburska, Police Academy in Szczytno
- 10.50 – 11.00** Group photo
- 11.00 – 11.15** **Coffee break**

PANEL SESSION I

The utilisation of scientific research and development outcomes and their impact on security, social, economic, and business environment in Poland and other European Union countries

Moderators: Assoc. Prof. Wojciech Gizicki, Habil. Dr. Agata Tyburska

Panel Secretary: Capt. Dr. Jarosław Sikora

- 11.15 – 11.30** University management in accordance with ISO 21001:2018 standard and information flow security — Habil. Dr. Magdalena Sitek, Dr. Iwona Florek, Alcide De Gasperi Higher School of Euroregional Economy
- 11.30 – 11.40** **Presentation of a virtual shooting range**

- Presentation of the capabilities of the multimedia school-training system '*Pojedynek*' – MEng. Grzegorz Zasada, Military Institute of Armament Technology
- 11.40 – 11.55** Mobile Distribution Point for ICT Infrastructure (MDPICT) – a tool for improving the effectiveness of police performance – Assoc. Prof. Krzysztof Poźniak, DEng. Zbigniew M. Wawrzyniak, Warsaw University of Technology
- 11.55 – 12.10** Station for the identification of fire hazards resulting from the use of firearms – codename *Firestarters* – DEng. Przemysław Badurowicz, Military Institute of Armament Technology
- 12.10 – 12.25** Homeland Security Simulator Platform – DEng. Roman Putanowicz, MEng. Dariusz Bułka, CYBID Ltd., Limited Partnership
- 12.25 – 12.40** Simulator for training police officers attending traffic incident scenes – Lieut. Grzegorz Kamiński, Police Academy in Szczytno
- 12.40 – 12.55** High-Energy Projectile Stopping System – codename *Bulletcatcher* – DEng. Dawid Pacek, Military Institute of Armament Technology
- 12:55 – 14.00** **Lunch**

Moderators: Assoc. Prof. Jan Maciejewski, Assoc. Prof. Waldemar Zubrzycki
Panel secretary: 2nd Lieut. Anna Waśniewska

- 14.00 – 14.15** Prospects for the development of security sciences – Assist. Prof. Andrzej Misiuk, University of Warsaw
- 14.15 – 14.30** Characteristics of security research in dispositional groups – DEng. Maciej Ciesielski, Alcide De Gasperi Higher School of Euroregional Economy
- 14.30 – 14.45** Specialist kit for examining traces from areas contaminated with CBRN agents – Dr. Agnieszka Gutowska, Institute of Security Technologies 'MORATEX'
- 14.45 – 15.00** Reading and securing of electronic data stored in vehicle mileometers – DEng. Marcin Jasiński, Warsaw University of Technology
- 15.00 – 15.15** System for determining safety zones and threats related to explosive materials and devices – MEng. Łukasz Matyjasek, Central Forensic Laboratory of the Police (on-line)
- 15.15 – 15.30** New potential for enhancing the safety of airports and water landing sites through the use of unmanned systems – DEng. Przemysław Mądrzycki, Air Force Institute of Technology
- 15.30 – 15.45** **Coffee break**
- 15.45 – 16.00** Fingerprint retrieval with nanoparticles produced using high-pressure technology – Ewa Rogoża, Katarzyna Drzewiecka, Central Forensic Laboratory of the Police (on-line)
- 16.00 – 16.15** Research and development on 3D printing using explosive materials – MEng. Piotr Prasula, Military Institute of Armament Technology
- 16.15 – 16.30** Genetic database for identification and profiling of narcotic cannabis – conclusions and recommendations resulting from the GENDAY Project – Lt. Col. Dr. Agnieszka Choromańska, Maj. Żanetta Makowska, Police Academy in Szczytno, Central Forensic Laboratory of the Police (on-line)

- 16.30 – 16.45** Platform for conducting test, experiments and neutralising explosive materials and devices – conclusions from field testing – Piotr Peksa, Poznań University of Technology
- 16.45 – 17.00** Application of hot-spot analysis in crime research in an urban environment – Dr. Agnieszka Polończyk, Pedagogical University of Krakow
- 17.00 – 17.15** Contemporary DNA tests as a supporting element of the AEVITAS, NEXT, VISAGE detection models – Col. Dr. Ewa Kartasińska, Central Forensic Laboratory of the Police (on-line)
- 17.15 – 17.30** Modern methods of drug detection using police dogs – reference set of narcotic substance samples for certification of police dogs – Capt. Dr. Mariusz Gąsiorowski, Police Academy in Szczytno
- 17.30 – 17.45** Fiber optic sensors for biomolecules detection in difficult matrices – DEng. Paweł Wityk, Gdańsk University of Technology
- 17.45 – 18.00** **Summary of the panel session**
- 18.00– 18.45** **Shooting Simulator – Film Screening (Władysław Stasiak Auditorium)/ (Room 247, library building, 2nd floor)**
- 19.00** **Dinner**

26.05.2023:

- 09.00 – 09.15** Contemporary security threats in a sociological perspective – Assoc. Prof. Jan Maciejewski, University of Wrocław
- 09.15 – 09.30** Spatial characteristics of foreign offenders and victims in Hungary – Dr. Mátyás Szabolcs, University of Public Service, Hungary (on-line)
- 09.30 – 09.45** Security in times of digital transformation – report from the Interdisciplinary Innovation Mine 4.0 Project – Dr. Joanna Grubicka, Pomeranian University in Słupsk

PANEL SESSION II

EU-funded projects, the opportunities for obtaining funds for research and development works from EU funds, the principles of their disbursement and financial settlement

Moderator: Assoc. Prof. Ewa Guzik- Makaruk, Habil. Dr. Wiesław Jasiński

Panel secretary: Maj. Karolina Micek-Cybulska

- 9.45 – 9.55** Opportunities for cooperation with the National Centre for Research and Development, Brussels Office – Marta Krutel, NCRD Office Brussels (on-line)
- 9.55 – 10.05** Possibilities of financing projects within the Horizon Europe Programme, Cluster 3 - Civil Security for Society – Renata Rycerz, NCRD National Contact Point
- 10.05 – 10.20** Polish Platform for Homeland Security and its contribution to increasing the level of security in Poland and Europe through research and

- development projects — Małgorzata Wolbach, Nina Czyżewska, Polish Platform for Homeland Security
- 10.20 – 10.35** Dissemination activities of the PolSCA PAN Office in Brussels — Dr. Tomasz Poprawka, PolSCA PAN Office, Brussels (on-line)
- 10.35 – 10.50** ENLETS, the EU Hub for law enforcement in front-line policing, crime and public protection — Patrick Padding, National Police of the Netherlands, ENLETS (on-line)
- 10.50 – 11.05** Modern personal image capturing system — DEng. Marek Sutkowski, Warsaw University of Technology (on-line)
- 11.05 – 11.20** Research work on the safety zone mapping developed on the basis of experimental studies — MEng Izabela Mazur, Military Institute of Armament Technology
- 11.20 – 11.35** Property security systems — research, facts, and legal considerations — DEng. Anna Makuch, Łukasiewicz Research Network - Warsaw Institute of Technology
- 11.35 – 11.45** **Coffee break**

PANEL SESSION III

Good practices and exchange of experience in obtaining grant funding for research and development in the field of security and establishing cooperation with consortia from universities, companies and security professionals

Moderator: Assoc. Prof. Ryszard Jakubczak, Habil. Dr. Jarosław Truchan
Panel Secretary: Maj. Karolina Micek-Cybulska

- 11.45 – 12.00** Innovation within UK Policing — Dylan Alldrige, Office of the Police Chief Scientific Adviser (on-line)
- 12.00 – 12.15** An overview of scientific research at the PA CR focusing on security and some specific results achieved using the INAA method for the detection and identification of seized illicit narcotic drugs and psychotropic substances — PhD, DSc., Assoc. Prof. Jozef Sabol, Police Academy of the Czech Republic in Prague
- 12.15 – 12.30** Security as a science: research results in the scope of food security in Ukraine — Prof. Vasyl Franchuk, Prof. Volodymyr Hobela, Lviv State University of Internal Affairs (on-line)
- 12.30 – 13.30** **Lunch**

Moderator: Habil. Dr. Janusz Chelchowski, Habil. Dr. Piotr Kardela
Panel secretary: Maj. Karolina Micek-Cybulska

- 13.35 – 13.50** Extinguishing industrial fires with turbine extinguishing systems — Capt. Dr. Tomasz Węsierski, The Main School of Fire Service
- 13.50 – 14.05** Current development in research on violent extremism and risk management — a systematic review — Dr. Wojciech Wróblewski, Dr. Monika Baylis, DEng. Michał Wiśniewski, The Main School of Fire Service, University of Leicester, Warsaw University of Technology (on-line)

- 14.05 – 14.20** Identifying public safety risks at the municipal level using a mobile application. A case study — Dr. Jarosław Keplin, Pomeranian University in Słupsk
- 14.20 – 14.35** Municipal guards in the system of social security — the perspective of the residents of Myślenice (Małopolskie Province). Analysis of the author's own research — Dr. Andrzej Kobiałka, Pedagogical University of Krakow (on-line)
- 14.35 – 14.50** **Coffee break**
- 14.50 – 15.05** Effectiveness of investigative activities based on preliminary results of the research task '*Current changes in the threats of criminal offences in Poland*', which include the so-called 7 categories of common crimes, the combating of which is a priority of the National Police Chief for the years 2021-2023 — Lieut. Marcin Buchholz, Police Academy in Szczytno
- 15.05 – 15.20** Preventing money laundering as an important aspect of financial security — Dr. Paulina Storska, PKO Bank Polski
- 15.20 – 15.35** **Summary of plenary sessions**
- 15.35 – 15.50** **Announcement of competition results – award ceremony**
- 15.50 – 16.05** **Closing ceremony**