



3rd INTERNATIONAL CONFERENCE CHALLENGES TO NATIONAL DEFENCE IN CONTEMPORARY GEOPOLITICAL SITUATION

15 – 16 September, 2022
Vilnius, Lithuania



PROGRAM

CNDCGS`2022

Prof. Svajonė BEKEŠIENĖ
(Conference General Chair)

Prof. Rasa SMALIUKIENĖ
(Conference General Co-Chair)

Assoc. Prof. Aušrius JUOZAPAVIČIUS
(Conference General Co-Chair)

Assoc. Prof. Dalia PRAKAPIENĖ
(Conference Secretary)

CONFERENCE VENUE

The Conference will take place in the Ministry of National Defence of the Republic of Lithuania, ORŠA hall on 15-16 September 2022.



Location: Totorių St. 25, LT-01121 Vilnius, Lithuania.



ORGANIZERS



Ministry
of National Defence
Republic of Lithuania



GENERAL
JONAS ŽEMAITIS
MILITARY ACADEMY
OF LITHUANIA



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Brno University of
Technology



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Lithuanian
Rifleman's
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GENERAL JONAS ŽEMAITIS MILITARY ACADEMY OF LITHUANIA
MINISTRY OF DEFENCE OF REPUBLIC OF LITHUANIA
NATO ENERGY SECURITY CENTRE OF EXCELLENCE LITHUANIA
UNIVERSITY OF DEFENCE, BRNO
NATIONAL DEFENCE FOUNDATION
LITHUANIAN RIFLEMEN'S UNION



**CHALLENGES TO NATIONAL DEFENCE IN
CONTEMPORARY GEOPOLITICAL SITUATION
CNDCGS`2022**

PROGRAM

3rd INTERNATIONAL SCIENTIFIC CONFERENCE

15-16 September, 2022
Vilnius, Lithuania

CONFERENCE SCIENTIFIC COMMITTEE

CHAIRMAN

Prof. Svajonė BEKEŠIENĖ, Military Academy of Lithuania

SCIENTIFIC SECRETARY

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MEMBERS

Assoc. Prof. Paul BERG, U.S. Army Command and General Staff College, Kansas State University, (USA)

Maj. Ph.D. Klára Cibulová, University of Defence (CZECH REPUBLIC)

Prof. Eugeniusz Ciesliak, University of Military Technology (POLAND)

Prof. James Edward Groccia, Auburn University (USA)

Col. of the General Staff. Assoc. Prof. Vladan Holcner, University of Defence (CZECH REPUBLIC)

Prof. Martin Holmberg, Swedish Defence University (SWEDEN)

Prof. Volodymyr Hutsaylyuk, Military University of Technology (POLAND)

Prof. Šárka Hošková-Mayerová, University of Defence (CZECH REPUBLIC)

Assoc. Prof. Cristina Flaut, Ovidius University (ROMANIA)

Prof. Jan Furch, University of Defence (CZECH REPUBLIC)

Prof. Aušrius Juozapavičius, Military Academy of Lithuania (LITHUANIA)

Prof. Gerry Larson, Swedish Defence University (SWEDEN)

Prof. Fabrizio Maturo, University of Campania (ITALY)

Assoc. Prof. Sabine Mengelberg, Netherlands Defence Academy (HOLLAND)

Prof. Mirosław Minkina, University of Natural Sciences and Humanities (POLAND)

LTC Ing. Vlastimil Neumann, Ph.D. University of Defence (CZECH REPUBLIC)

Dr. Soili Paananen, Finnish National Defence University (FINLAND)

Assoc. Prof. Rolanda Kazlauskaitė-Markelienė, Military Academy of Lithuania (LITHUANIA)

Col. Dr. R. Kostrow, Military Institute of Armament Technology (POLAND)

Prof. Rasa Smaliukienė, Military Academy of Lithuania (LITHUANIA)

Prof. Lucjan Śnieżek, Military University of Technology (POLAND)

Prof. Ing. Pavel Otrisal, Palacký University Olomouc (CZECH REPUBLIC)

Dr. Irena Tušer, AMBIS College, (CZECH REPUBLIC)

Assoc. Prof. Alena Vagaská, Prešov Technical University of Košice (SLOVAK REPUBLIC)

Prof. Ing. Zdeněk Vintr, CSc. University of Defence (CZECH REPUBLIC)

Col. Assoc. Prof. Dimitar Yankov Dimitrov, Ph.D. Rakovski National Defence College (BULGARIA)

CONFERENCE CHAIRS

ORGANIZERS

Prof. Svajonė BEKEŠIENĖ

Conference General Chair
General Jonas Žemaitis Military Academy of Lithuania

Prof. Rasa SMALIUKIENĖ

Conference General Co-Chair
General Jonas Žemaitis Military Academy of Lithuania

Assoc. Prof. Aušrius JUOZAPAVIČIUS

Conference General Co-Chair
General Jonas Žemaitis Military Academy of Lithuania

Assoc. Prof. Dalia PRAKAPIENĖ

Conference Secretary
General Jonas Žemaitis Military Academy of Lithuania

MEMBERS:

Ltn. Col. Linas Idzelis (Lithuanian Armed Forces)

Maj. Gintautas Razma (Military Academy of Lithuania)

Maj. Rosita Kanapeckaitė (Military Academy of Lithuania)

Assoc. Prof. Gintaras Labutis (Military Academy of Lithuania)

Assoc. Prof. Gitana Dudzevičiūtė (Military Academy of Lithuania)

Assoc. Prof. Ramutė Vaičaitienė (Military Academy of Lithuania)

Assoc. Prof. Vladas Tumulavičius (Military Academy of Lithuania)

Elena Tamulevičienė (Military Academy of Lithuania)

Tomas Greičiūnas (Military Academy of Lithuania)

SCHEDULE OF THE CONFERENCE

The second international scientific conference CNDCGS 2022 will be held on 15-16 September 2022 at the Ministry of National Defence of the Republic of Lithuania, Orša Hall, Totorių St. 25, Vilnius.

As a web conference, the CNDCGS 2022 will be open to virtual attendance on a secure, accessible, and user-friendly Zoom platform for live streaming.

THURSDAY, September 15, 2022

08:50-10:00 REGISTRATION

10:00-10:30 Opening Ceremony

10:30-11:30 **Plenary Session “THE ROLE OF ENERGY IN NATIONAL SECURITY AND DEFENCE FRAMEWORK”**

11:30-12:00 Discussions

12:00-12:30 Coffee Break

12:30-14:00 **Plenary Session “EMERGING SECURITY CHALLENGES AND RESILIENCE”**

14:00-14:15 Discussions

14:15-14:30 Coffee Break

14:30-16:00 **POSTER SESSIONS**

18:00-21:00 Social Events

FRIDAY, September 16, 2022

09:00-10:00 Registration

10:00-11:00 **Plenary Session “NEW TECHNOLOGIES INSPIRED THE DEVELOPMENT OF DEFENCE INNOVATIONS”**

11:00-11:30 Discussions

11:30-12:00 Coffee Break

12:00-12:30 CNDCGS 2022 conference closing session

15:00-20:00 Social Events

CNDCGS 2022 PROGRAM OVERVIEW

THURSDAY, September 15, 2022

The Ministry of National Defence of the Republic of Lithuania, ORŠA hall, Totorių St. 25, LT-01121 Vilnius, Lithuania

08:50-10:00 REGISTRATION

10:00-10:30 Opening Ceremony. **Welcoming remarks**

Brig Gen **Almantas LEIKA**, Commandant, Military Academy of Lithuania

COL doc. Ing. **Jan BOŘIL**, Ph.D. Vice-Rector for Research and Expert Activities, University of Defence, Brno, Czech Republic

COL (ret) Vaidotas MALINIONIS, Managing Director, National Defence Foundation organisation, Lithuania.

COL (ret) Gediminas GAINA, former General Director of the State Security Department, Lithuania

10:30-11:30 **PLENARY SESSION**

“THE ROLE OF ENERGY IN NATIONAL SECURITY AND DEFENCE FRAMEWORK”

Moderator **Assoc. Prof. dr. Gintaras LABUTIS**, General Jonas Žemaitis Military Academy of Lithuania.

ENERGY SECURITY OF CROATIA - INSTRUMENT FOR THE EUROPEAN ENERGY SECURITY - CHALLENGES AND OUTCOMES

Plenary Speaker: Assist. Prof. Gordan **AKRAP**, Hybrid Warfare Research Institute, CROATIA.

DECARBONIZING DEFENCE: HOW SYNTHETIC FUELS COULD MAKE THE MILITARY GREENER

Plenary Speaker: Mr. Lukas **TRAKIMAVIČIUS**, NATO
Energy Security Centre of Excellence, LITHUANIA

THE ANALYSIS OF MACROTRENDS IN CRITICAL ENERGY INFRASTRUCTURE AND THE ROLE OF SECURITY AND DEFENCE INSTITUTIONS

Plenary Speaker: Dr. Alexandru **GEORGESCU**, National
Institute for Research and Development in Informatics ICI,
ROMANIA.

THE ANALYSIS OF OUTCOMES AND CHALLENGES OF CORE21B TABLETOP EXERCISE ON RESILIENCE OF THE BALTIC POWER SYSTEM

Plenary Speaker: Dr. Vytis **KOPUSTINSKAS**, Joint Research
Centre, ITALY.

11:30-12:00 Discussions

12:00-12:30 Coffee Break

12:30-14:00 **PLENARY SESSION**

“EMERGING SECURITY CHALLENGES AND RESILIENCE”.

Moderator **Prof. dr. Rasa SMALIUKIENĖ**, General Jonas
Žemaitis Military Academy of Lithuania.

MEDIA ECOLOGY IN WARTIME: CASE OF UKRAINE

Plenary Speaker: PhD (Politics), Assoc. Prof. Olena
SHEVCHENKO,

Taras Shevchenko National University of Kyiv, UKRAINE.

RESPONDING TO EVOLVING MILITARY THREAT. DEVELOPMENT OF POLISH ARMED FORCES AFTER 2014

Plenary Speaker: Ph.D. Dr Hab., Eugeniusz CIEŚLAK, Course Director, Senior Leaders' Course, Higher Command Studies Course, Baltic Defence College Tartu, ESTONIA.

COGNITIVE WARFARE FROM A SCIENCE & TECHNOLOGY PERSPECTIVE

Plenary Speaker: Dr. Paolo PROIETTI, Italian NATO STB and HFM Panel Member, NATO Studies Coordinator at Leonardo, ITALY.

GEOPOLITICAL SITUATION IN RUSSIA – RECENT CHANGES AND A ROLE OF TECHNOLOGIES IN CENTRALIZING AND STRENGTHENING THE GOVERNING OF THE MILITARY AND THE STATE

Plenary Speaker: Senior Advisor Daivis PETRAITIS, International Relations and Operations Group, Ministry of National Defence of the Republic of Lithuania

COLLATERAL DAMAGE IN THE INFOSPHERE

Plenary Speaker: Valerijus ŠERELIS Lt. Col. (Ret.), Lithuanian Armed Forces Training and Doctrine Command, Institute of Military Affairs Adviser, LITHUANIA.

CURRENT SITUATION IN EUROPE FROM THE US AND NATO PERSPECTIVE

Plenary Speaker: Stephen N. OLEJASZ, Lt. Col. US Army (Ret.), Independent Security Policy Analyst, Executive Vice President American Association of the Friends of Kosciuszko at West Point, Inc., USA

14:00-14:15 Discussions

14:15-14:30 Coffee Break

14:30-16:00 POSTER SESSIONS

18:00-21:00 Social Events.

FRIDAY, September 16, 2022

The Ministry of National Defence of the Republic of Lithuania, ORŠA hall,
Totorių St. 25, LT-01121 Vilnius, Lithuania

09:00-10:00 Registration

10:00-11:00 PLENARY SESSION

“NEW TECHNOLOGIES INSPIRED THE DEVELOPMENT OF DEFENCE INNOVATIONS”

Moderator **Prof. dr. Aušrius JUOZAPAVIČIUS**, General Jonas Žemaitis Military Academy of Lithuania.

LESSONS LEARNED FROM EMPLOYMENT OF DRONES IN RECENT CONFLICTS. ARE UNMANNED AIRCRAFT SYSTEMS ABLE TO IMPACT MEANINGFULLY ON COURSE OF WARS?

Plenary Speaker: Col. Assoc. Prof. Tadeusz **ZIELIŃSKI**, PhD (Dr Hab.), Vice-Rector for Scientific Affairs at War Studies University, Warsaw, POLAND.

ARMAMENTS IN THE WAR IN UKRAINE 2022: NOVELTIES, ANTIQUES AND IMPROVISATIONS

Plenary Speaker: Senior Adviser Artur **PLOKŠTO**, the Defence Materiel Agency under the Ministry of National Defence of the Republic of Lithuania, LITHUANIA.

CURRENT CONSIDERATIONS FOR AIR AND MISSILE DEFENSE

Plenary Speaker: LtCol Paweł **MRÓZ**, PhD, POLAF Adjunct, Director of Air Force and Air Defence Department War Studies University, Warsaw, POLAND.

THE EUROPEAN DEFENCE AGENCY AND ITS ROLE IN SUPPORT OF LITHUANIAN DEFENCE INDUSTRY

Plenary Speaker: Maj. Donatas **PALAVENIS**, Junior researcher in the Baltic Institute of Advanced Technology (BPTI), LITHUANIA.

**THE IMPACT OF THE APPLICATION OF
STANDARDIZED MANAGEMENT SYSTEMS ON THE
PERFORMANCE OF CLUSTERS OR ASSOCIATIONS
FOCUSED ON SECURITY AND DEFENCE.**

Plenary Speaker: Assoc. Prof. dr. Gintaras **LABUTIS**,
Military Academy of Lithuania, LITHUANIA.

11:00-11:30 Discussions

11:30-12:00 Coffee Break

12:00-12:30 Closing Session

15:00-20:00 Social Events

15 SEPTEMBER, 2022

POSTER SESSIONS

TOPICS

- S01 DEFENCE TECHNOLOGIES AND AVIATION
- S02 CYBER THREATS AND SECURITY ISSUES
- S03 DEMOCRACY, CONTEMPORARY THREATS AND WARFARE
- S04 MODERN TECHNOLOGIES AND SOCIAL SCIENCES
- S05 MULTI-CRITERIA DECISION-MAKING
- S06 SUSTAINABLE DEFENCE SOLUTIONS
- S07 THE IMPACT OF NEW DEFENCE TECHNOLOGIES ON HUMAN
- S08 DEFENCE TECHNOLOGIES: EDUCATION AND TRAINING
- S09 ENVIRONMENTAL ISSUES AND MODERN TECHNOLOGIES
- S10 CHALLENGES TO FACE NEW DEFENCE TECHNOLOGIES

TOPIC	CHAIR
S01	Prof. Sarka HOSKOVA-MAYEROVA , <i>University of Defence, Brno, Czech Republic</i>
S02	Prof. Aušrius JUOZAPAVIČIUS , <i>General Jonas Žemaitis Military Academy of Lithuania</i>
S03	Prof. Rasa SMALIUKIENĖ , <i>General Jonas Žemaitis Military Academy of Lithuania</i>
S04	Dr. Vldas TUMALAVIČIUS , <i>General Jonas Žemaitis Military Academy of Lithuania</i>
S05	Prof. Svajonė BEKEŠIENĖ , <i>General Jonas Žemaitis Military Academy of Lithuania</i>
S06	Assoc. Prof. Gitana DUDZEVIČIŪTĖ , <i>General Jonas Žemaitis Military Academy of Lithuania</i>
S07	Assoc. Prof. Ramutė VAIČAITIENĖ , <i>General Jonas Žemaitis Military Academy of Lithuania</i>
S08	Maj. Rosita KANAPECKAITĖ , <i>General Jonas Žemaitis Military Academy of Lithuania</i>
S09	Maj. Ph.D. Klara CIBULOVA , <i>University of Defence, Brno, Czech Republic</i>
S10	Assoc. Prof. Dalia PRAKAPIENĖ , <i>General Jonas Žemaitis Military Academy of Lithuania</i>

POSTER PRESENTATIONS

TOPIC: S01, S02, S03, S04, S05, S06, S07, S08, S09, S10

DEFENCE TECHNOLOGIES AND AVIATION

Assessment of the Possibility of Using Different Kinds of Civil Aircraft by Terrorists

- Adam RADOMYSKI, Daniel MICHALSKI, Tomasz KULIK, Faculty of Aviation Safety, Polish Air Force University, Dęblin, Poland

The Concept and Preliminary Design of a New Drone Destined for Military Rescue Missions

- Krzysztof PUCHAŁA, Elżbieta SZYMCZYK, Volodymyr HUTSAYLYUK, Faculty of Mechanical Engineering, Military University of Technology, Warsaw, Poland;
- Grzegorz MONETA, Łukasiewicz Research Network – Institute of Aviation, Warsaw, Poland

Investigation of Corrosion Resistance of Two-Layer Protective Coatings

- Oleg TOTOSKO, Petro STUKHLYAK, Mytnyk MYKOLA, Roman ZOLOTIY, Danilo STUKHLYAK, Ternopil Ivan Puluj National Technical University, Ternopil, Ukraine
- Nikolay DOLGOV, G. S. Pisarenko Institute for Problems of Strength, Nat. Ac. Sci. of Ukraine, Kyiv, Ukraine

Modelling of Accidental Impacts of Hazardous Chemical Substances in the Czech Republic

- Jiri Mika OTAKAR, Faculty of Security Management, Police Academy of the Czech Republic in Prague, Praha 4, Czech Republic; Faculty of Health and Social Studies, University of South Bohemia in České Budějovice, Czech Republic;
- Pavel OTRISAL, Faculty of Physical Culture, Palacký University Olomouc, Olomouc, Czech Republic

Application of Methods of Preparation of Plasma-Chemical Nano Coatings Designated to Hydrophobic and Oleo Phobic Correction of Surface Working of Textile Materials for Filtration Protective Suit

- Vladimír OBŠEL, DEZA, Brno, Czech Republic; Faculty of Physical Culture, Palacký University Olomouc, Olomouc, Czech Republic;
- Pavel OTRISAL, Faculty of Physical Culture, Palacký University Olomouc, Olomouc, Czech Republic

All-Season Tires and their Inappropriate Selection Due to the Current Economic Shortage of Raw Materials

- Vlastimil KONEČNÝ, University of Defense, Brno, Czech Republic

Some Current Approaches to the CAF Chemical Corps Potential Employment in Operations for Elimination of Weapons of Mass Destruction

- Pavel OTRISAL, Faculty of Physical Culture, Palacký University Olomouc, Olomouc, Czech Republic;
- Jiri Mika OTAKAR, Faculty of Security Management, Police Academy of the Czech Republic in Prague, Praha 4, Czech Republic

Diffuse Reflectance of Thin Films with Defects

- František VIZŽDA, Department of Mathematics and Physics, Faculty of Military Technology, University of Defence, Brno, Czech Republic

Al₂O₃/Ni/Ti Composites Enhanced by Intermetallic Phases for Military Applications

- Marcin WACHOWSKI, Lucjan ŚNIEŻEK, Volodymyr HUTSAYLYUK, Military University of Technology in Warsaw, Poland

- Justyna ZYGMUNTOWICZ, Katarzyna KONOPKA, Warsaw University of Technology, Warsaw, Poland

Laser Shock Wave Surface Processing Possibilities of Structural Materials

- Vitalii MOCHARSKYI, Bogdan KOVALYUK, Oksana SITKAR, Department of Physics, Ternopil Ivan Puluj National Technical University, Ternopil, Ukraine

CYBER THREATS AND SECURITY ISSUES

Approaches to the Conduct of Electronic Warfare in Support of Joint Operations

- Petr HLAVIZNA, Radovan VASICEK, Alena OULEHLOVA, University of Defence, Brno, Czech Republic

Analysis of Potential Cyber Threats for Autonomous Vehicles from Military Perspective

- Gražvydas GRICIUS, Aušrius JUOZAPAVIČIUS, General Jonas Žemaitis Military Academy of Lithuania

Network Attack Detection using Machine Learning Methods

- Nataliya ZAGORODNA, Mariia STADNYK, Borys LYPA, Mykola GAVRYLOV, Ruslan KOZAK, Department of Cybersecurity, Faculty of Computer Information Systems and Software Engineering, Department of Cybersecurity, Ternopil Ivan Puluj National Technical University, Ternopil, Ukraine

DEMOCRACY, CONTEMPORARY THREATS AND WARFARE

Geoinformation Portal as a Component Unified Geoinformation Environment

- Nataliia LYTVYENKO, Oleksiy FEDCHENKO, Olexander KORINETC, Military Institute of Taras Shevchenko National University of Kyiv, Ukraine

Mapping Growth of the Russian Domestic Propaganda Apparatus on Telegram

- Petro VAVRYK, Department of Systems Analysis and Decision Making Theory, Taras Shevchenko National University of Kyiv, Ukraine

Media Ecology in Wartime: Case of Ukraine

- Olena SHEVCHENKO, Taras Shevchenko National University of Kyiv, Institute of International Relations, Kyiv, Ukraine; Kira HORIACHEVA, Taras Shevchenko National University of Kyiv, Military Institute, Kyiv, Ukraine; Anatoliy YAKOVETS, Taras Shevchenko National University of Kyiv, Institute of International Relations, Kyiv, Ukraine

Protection of Cultural Heritage in an Armed Conflict. What Poland Can Learn from Ukraine?

- Grzegorz ROSŁAN, Faculty of Management, Rzeszow University of Technology, Rzeszów, Poland

Susceptibility to Disinformation in Poland. The Case of Instrumentalised Migration from Belarus in 2021.

- Justyna LIPIŃSKA, War Studies University, Warsaw, Poland

Protection of Cultural Heritage in an Armed Conflict. What Poland can Learn from Ukraine?

- Grzegorz ROSŁAN, Rzeszow University of Technology, Rzeszów, Poland

Controlling in the MOD in the Context of Long-Term Stable Financing of the Czech Armed Forces and its Modernization

- Roman HORÁK, University of Defense, Faculty of Military leadership, Brno, Czech Republic

Systemic Corruption as a Threat to National Security - Protection of Civil Servants Who Report Breaches of European Union law in the Czech Republic

- Aleš PACHMANN, AMBIS Vysoká škola, Praha, Czech Republic

Security and Protection in Terms of the Assumptions of the Coalition Agreement for the Election Period 2021-2025

- Pavel OTRISAL, Bretislav STEPANEK, Faculty of Physical Culture, Palacký University Olomouc, Olomouc, Czech Republic
- Jiri Mika OTAKAR, Faculty of Security Management, Police Academy of the Czech Republic in Prague, Praha 4, Czech Republic

Social Integration of Millennials Generation in the Lithuanian Armed Forces - What Challenges are Waiting for Organization to Retain Individuals in the Military Service?

- Paulius BALSYS, Institute of sociology at the Lithuanian centre for social sciences, Vilnius, Lithuania

The Russian World as an Ideology for Destroying Ukrainian National Identity

- Andrii KRYSKOV, Department of Ukrainian studies and Philosophy, Ternopil Ivan Puluj National Technical University, Ukraine

Responding to Evolving Military Threat. Development of Polish Armed Forces After 2014

Eugeniusz CIEŚLAK,

Military Organization's Role and Place in the Recent Russia (Russian Militocracy)

- Daivis PETRAITIS, General Jonas Žemaitis Military Academy of Lithuania

MULTI-CRITERIA DECISION-MAKING

Optimization of Arms Race Under Conflict and Uncertainty

- Oleksandr NAKONECHNYI, Olena KAPUSTIAN, Sofiia MYRVODA, Iuliia SHEVCHUK, *Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*

A Practical Assessment of The Potential Public Health Consequences of Russian Military Aggression in Ukraine

- Hanna Balaka, Olha FOKAF, Kateryna KUZMINOVA, Kyiv School of Economics, Kyiv, Ukraine
- Sofiia MYRVODA, Iuliia SHEVCHUK, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine

Peculiarities of Construction and Analysis of a Complex Epidemiological Susceptible-Infected-Removed Model

- Igor SAMOILENKO, Nazar SALO, Department of Operation Research, Faculty of Computer Science and Cybernetics, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine;
- Anatolii NIKITIN, Department of Economic-Mathematical Modeling and Information Technologies, Faculty of Economics, The National University of Ostroh Academy, Ostroh, Ukraine; Department of Mathematics, Faculty of Natural Sciences, Jan Kochanowski University of Kielce, Kielce, Poland;
- Tetiana SAMOILENKO, Department of mathematical physics and differential equations, Faculty of physics and mathematics, The National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, Ukraine;
- Oleg KRAVETS, Management department, faculty of Economics, Dmytro Motornyi Tavria State Agrotechnological University, Bohdan Khmel'nitskii, Melitopol, Ukraine.

Time Pressure Influence on Criminal Decision-Making

Violeta CIMALANSKAITĖ-KAZLAUSKIENĖ, Vilnius university, Vilnius, Lithuania

Theory of Chaos in Transport

- Josef JELÍNEK, University of Defense, Brno, Czech Republic
- Alena BŘEZNIČKÁ, Alexander Dubcek University of Trencin, Slovak Republic

Petr STODOLA, Jiří STODOLA, University of Defense, Brno, Czech Republic

SUSTAINABLE DEFENCE SOLUTIONS

Military Human Potential in the Context of Defence - Growth Relationship: Evidence from the Baltic States

- Gitana DUDZEVIČIŪTĖ, General Jonas Žemaitis Military Academy of Lithuania

A Devastating Tornado in Moravia 2021

- Jiri Mika OTAKAR, Faculty of Security Management, Police Academy of the Czech Republic in Prague, Praha 4, Czech Republic; Faculty of Health and Social Studies, University of South Bohemia in České Budějovice, Czech Republic;
- Pavel OTRISAL, Faculty of Physical Culture, Palacký University Olomouc, Olomouc, Czech Republic

Post-War Socialization of the Economy: Ukrainian and European Security

- Anastasiia SIMAKHOVA, National Aviation University, Kyiv, Ukraine

Sustainable Logistics Coordination by using the National Defence Resource Management Information System

- Matas JUREVIČIUS, Svajone BEKESIENE, General Jonas Žemaitis Military Academy of Lithuania

Analysis of Manifestations of Aggression in the Intervention of the Emergency Medical Service

- Pavel OTRISAL, Faculty of Physical Culture, Palacký University Olomouc, Olomouc, Czech Republic;
- Dana Rebeka RALBOVSKÁ, Faculty of Biomedical Engineering, The Czech Technical University in Prague, Czech Republic

Aspects of Economic Warfare – Causes and Consequences

- Miroslav KRČ, University of Defence, Brno, Czech Republic
- Vendula HYNKOVÁ, Ambis College, Brno, Czech Republic

The Motivation to Increasing National Security by Strengthening Energy Independence from Unfriendly Countries

- Darius LELIŪNAS, Svajone BEKESIENE
General Jonas Žemaitis Military Academy of Lithuania

Risks of the Effects of Restrictive Measures on the Democratic Foundations of the State

- Irena TUŠER, Ambis University, Department of Security and Law, Praha, Czech Republic
- Radovan POTŮČEK, Šárka HOŠKOVÁ-MAYEROVÁ, University of Defence Brno, Department of Mathematics and Physics, Brno, Czech Republic

Analysis of the use of Post-Trauma Care and Crisis Intervention Among the Emergency Services with Regard to Job-Related Psychological Strain

- Dana Rebeka RALBOVSKÁ, Faculty of Biomedical Engineering, The Czech Technical University in Prague, Czech Republic;
- Pavel OTRÍSAL, Faculty of Physical Culture, Palacký University Olomouc, Olomouc, Czech Republic

The Impact of Disciplinary Action for Crime Prevention

- Tobias PURKIN,
Swedish Armed Forces, Sweden

The Motivation of Generation Z to Serve in the Lithuanian Army

- Stasys SUŽIEDĖLIS, Svajone BEKESIENE
General Jonas Žemaitis Military Academy of Lithuania

Energy Efficiency in Military Camps

- Petr DVORÁK,
University of Defence, Faculty of Military Technologies, Brno, Czech Republic

Role of the Lithuanian Army in Controlling the Illegal Migration Crisis

- Miglė PETREVIČIŪTĖ, Svajone BEKESIENE
General Jonas Žemaitis Military Academy of Lithuania

Methodological Approaches to Assessing the Quality of an Organisation's Performance

- Dalia PRAKAPIENĖ, General Jonas Žemaitis Military Academy of Lithuania;
- Romas PRAKAPAS, Mykolas Romeris University, Lithuania

Employment of Lithuanian Military Resources to Manage Emergency Situations

- Romas BURNECKIS, Svajone BEKESIENE
General Jonas Žemaitis Military Academy of Lithuania

DEFENCE TECHNOLOGIES EDUCATION AND TRAINING

Success/Leaving Rate of the Military Students

- Milan VÁGNER, Kamila HASILOVÁ, Department of Quantitative Methods, University of Defence, Brno, Czech Republic

The Problem of Artificial Neural Network Retraining and its Use to Improve the Quality of Teaching

- Ibraim DIDMANIDZE, Grigol KAKHIANI, A. PAGAVA, Batumi Shota Rustaveli State University, Batumi, Georgia

Impact of Training on Reservist Intention to Serve in the Lithuanian Army

- Svajone BEKESIENE, Rasa SMALIUKIENĖ, Olga NAVICKIENĖ, Ieva MEIDUTĖ-KAVALIUSKIENĖ, Ramutė VAIČAITIENĖ, General Jonas Žemaitis Military Academy of Lithuania
- Rosita KANAPECKAITĖ,
Vilnius University, Institute of Psychology, Vilnius, Lithuania

NOTES
