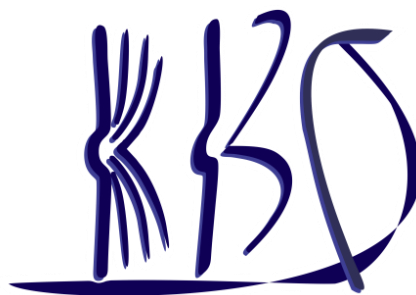


**“NICOLAE BĂLCESCU”
LAND FORCES ACADEMY OF SIBIU**



**THE 31ST INTERNATIONAL SCIENTIFIC CONFERENCE
THE KNOWLEDGE-BASED ORGANIZATION**



PROGRAMME

June 12-14, 2025

“Nicolae Bălcescu” Land Forces Academy Publishing House

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- Cristina Maria ȚUNDRECI

KBO 2025 Agenda

Day 1: Thursday, June 12	
15.00-19.00	Arrival of the Participants
19.00-21.00	Dinner Venue: Bldg. V6 – Mess Hall
Day 2: Friday, June 13	
07.30-08.00	Breakfast Venue: Bldg. J1 – Mess Hall
08.15-08.45	Celebration of the Land Forces Academy – 178 years of Romanian Military Education ¹ Venue: The Parade Ground of “Nicolae Bălcescu” Land Forces Academy
08.45-08.55	Group Photo ¹ Venue: The Parade Ground of “Nicolae Bălcescu” Land Forces Academy
08.55-09.15	Registration of the Participants Venue: “Ștefan cel Mare” Auditorium
09.15-10.00	<ul style="list-style-type: none"> ● Official Opening²: <ul style="list-style-type: none"> - arrival of the official guests; - singing of the “Gaudeamus” student anthem; - opening remarks from COL Dumitru TODOSIUC, commandant/rector of the “Nicolae Bălcescu” Land Forces Academy; - message of MG Stayko PROKOPIEV (Commandant of “Rakovski” National Defence College, Sofia, Bulgaria). ● Award of the title of Honorary Senator of the Land Forces Academy to COL Prof.Eng.habil. Cezar VASILESCU, PhD Regional Department of Defense Resources Management Studies Brașov (DRESMARA)
10.00-11.00	Plenary Sessions ² : <ul style="list-style-type: none"> ● <i>Digital Transformation of the Military Organisation</i> – presented by COL Prof.Eng.habil. Cezar VASILESCU, PhD, Regional Department of Defense Resources Management Studies Brașov

¹ In case of bad weather, the activity will be canceled.

² Conference moderator: Assoc.Prof. Isabela-Anda DRAGOMIR, PhD

	<p>(DRESMARA), Romania;</p> <ul style="list-style-type: none"> ● <i>Enhancing the Common European Security and Defence Culture European Security and Defence Joint Master Programme. A Proposal</i> – presented by Assoc.Prof. Alin BODESCU, PhD, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania; ● <i>Novel Concept for 3D Printed PEEK-Boron Radiation Shields</i> – presented by Daniela IVANOV, “Petru Poni” Institute of Macromolecular Chemistry, Iași, Romania, and Cătălin POPA, Department of Materials Science and Engineering, Technical University of Cluj-Napoca, Romania; ● <i>Cybersecurity of Industrial and Military Assets</i> – presented by Titus Constantin BĂLAN, Transilvania University of Brașov, Romania. <p>Venue: “Ștefan cel Mare” Auditorium</p>
11.00-11.30	<p>Coffee break</p> <p>Venue: Lobby of “Ștefan cel Mare” Auditorium</p>
11.45-13.30	Paper Presentations according to Conference sections/Poster Display (Designated Rooms)
13.45-14.30	<p>Lunch</p> <p>Venue: Bldg. V6 – Mess Hall</p>
14.45-16.30	Paper Presentations according to Conference sections/Poster Display (Designated Rooms)
16.30-19.00	Leisure Activities
19.00-22.00	<p>Official Dinner</p> <p>Venue: Bldg. V6 – Mess Hall</p>
Day 3: Saturday, June 14	
08.00-09.00	<p>Breakfast</p> <p>Venue: Bldg. J1 – Mess Hall</p>
09.00	Departure of the Participants

WORKSHOP

PROJECTS AND PROGRAMS MANAGEMENT

Chairpersons: Toma PLEȘANU
Daniela IVANOV

Venue: Project Management Laboratory
Building: J1; 3rd Floor; Room: 103

Discussion topics:

1. Best practices in project management
2. Methodologies applied in project management
3. Project finances sources in Romania
4. Project finances sources at the level of EU
5. Programs management dedicated to security and defence
6. ReArm Europe Plan/Readiness 2030 challenges and opportunities for project management
7. Young Crew Romania Programme – Youth and Future Projects: Join Crew Romania!



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Venue: “Marshal Averescu” Auditorium

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Venue: “Marshal Prezan” Auditorium

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Venue: “Dimitrie Cantemir” Auditorium

Building: B; 3rd Floor; Room: 67

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Venue: “Mircea cel Bătrân” Auditorium

Building: B; 2nd Floor; Room: 48

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Venue: Artillery Room

PANEL 1: SECURITY AND DEFENCE

Chairpersons: **Paul TUDORACHE**

Andra-Ioana PÎNZARIU

Venue: “Marshal Averescu” Auditorium

Building: B; 3rd Floor; Room: 81

1. *Military Leaders in the Face of Hybrid Threats: Building Resilience through Adaptive Leadership*, **Robert-Marian ALIXANDRESCU**, **Ionuț-Alin CÎRDEI**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
2. *Cognitive Warfare in the Digital Age: Implications for EU Security Policy*, **Lorina ARITON**, “Carol I” National Defence University, Bucharest, Romania
3. *History of Negotiations and Peace Talks between Russia and Ukraine in the Conflict between These Countries*, **Tomasz BAŁ**, University of Law and Administration, Rzeszów, Poland
4. *Enhancing the Common European Security and Defence Culture European Security and Defence Joint Master Programme. A Proposal*, **Alin BODESCU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
5. *Tactical Network-Centric Warfare in Practice: FPV Drones and the Architecture of a New RMA*, **Laviniu BOJOR**, **Laurențiu GRIGORE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
6. *The \$500 Drone that Kills A \$3M Tank: Cost-Efficient Lethality and the Rise of FPV Warfare*, **Laviniu BOJOR**, **Adrian Radu MANDACHE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
7. *Military Leadership Challenges in the Information Age*, **Ilie-Andrei BROSCĂREANU**, **Aurelian RAȚIU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

8. *Building Resilience against Cybersecurity Risks in Military Transportation Networks*, **Maria CONSTANTINESCU**, DRESMARA, “Carol I” National Defense University, Bucharest, Romania
9. *Enhancing Civil Resilience in the North Atlantic Alliance: Strategic Approaches and Challenges*, **Andrei-Gheorghe CORCHEȘ***, **Andrada PETRESCU*****, **“Lucian Blaga” University of Sibiu, Romania, ***“Nicolae Bălcescu” Land Forces
10. *Beyond the Mirror: Digital Twin Cybersecurity for National Resilience*, **Maurice DAWSON***, **Andreas VASSILAKOS****, **Sandra MOORE*****, **Annamaria SZAKONYI******, *Illinois Institute of Technology, Chicago, USA, **NOVA School of Law, Lisbon, Portugal, ***University of New Mexico, Albuquerque, USA, ****Independent Researcher, St. Louis, USA
11. *Challenges of Implementing the Total Defence Concept in the Defence System of the Republic of Serbia*, **Marko GOLUBOVIĆ***, **Vinko ŽNIDARŠIČ****, **Dejan STOJKOVIĆ****, *University of Defence, Strategic Research Institute, Belgrade, Republic of Serbia, **University of Defence, Military Academy, Belgrade, Republic of Serbia
12. *The Influence of Technology on Military Art: The Transformative Role of Unmanned Aerial Vehicles*, **Constantin GRIGORAȘ**, **Ștefan-Cristian PETRE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
13. *Infantry 2.0: Mini Drones and the Future of Tactical Warfare*, **Laurențiu GRIGORE**, **Lavinu BOJOR**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
14. *The Impact of Digital Propaganda on Modern Conflicts*, **Marian HOGEA**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
15. *Considerations on the Influence of Small Aerial Drones on the Actions of Logistics Forces*, **Radu Adrian MANDACHE**, **Lavinu BOJOR**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
16. *Comparative Analysis of Troop Leading Procedures in United States Army and Serbian Armed Forces*, **Mihailo MIJIĆ***, **Vinko ŽNIDARŠIČ***, **Vladimir TOKALIĆ*****, *University of Defence, Military Academy, Belgrade, Republic of Serbia, **University of Defence, School of National Defense, Belgrade, Republic of Serbia

17. *Essential Determinants in the Transformation of Military Operational Logistics Management*, **Gheorghe MINCULETE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
18. *Aspects of the Role of Influence Actions in the Military Field*, **Mihai Marcel NEAG, Daniel SOLESCU, Mihai-Matei VASILE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
19. *Guard: A Guided AI System for Intrusion Detection and Automated Response in Critical Infrastructure Environments*, **Ivan ZZIWA, Hriskesh PAWAR, Cedric NARTEY, Maurice DAWSON**, Illinois Institute of Technology, Chicago, USA
20. *From Cadet to Commander: Leveraging after Action Review for Leadership Development in Military Academy*, **Tudorică PETRACHE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
21. *Implementation of HACCP Standards in the Management of the Feeding Service from the Military Field*, **Sorin PÎNZARIU, Andra-Ioana PÎNZARIU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
22. *EUNAVFOR ASPIDES: The Newest European Union Military Operation*, **Marius PRICOPI**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
23. *The Russian-Ukrainian Conflict – The Irregular Approach as a War of Attrition*, **Aurelian RAȚIU*, Silviu NATE**, Ilie-Andrei BROSCĂREANU***, * “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania, ** “Lucian Blaga” University of Sibiu, Romania
24. *Automated Target Profiling: Leveraging Artificial Intelligence for Open-Source Intelligence Collection*, **Robert SOLER, Maurice DAWSON, Marc COLINA**, Illinois Institute of Technology, Chicago, USA
25. *The Legal Approach to the State of Siege from the Perspective of the Conditions for Applying Exceptional Measures*, **Alexandru STOIAN**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
26. *The Impact of VUCA on Military Leaders. The Particular Case of Russian-Ukrainian Conflict*, **Laura-Alexandra TENEA, Paul TUDORACHE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

27. *Modularization of a Robotic Quadraped Platform for Deployment in Tactical Military Applications*, **Ionuț-Cristian ȚOPA*****, **Silviu-Mihai PETRIȘOR***, *"Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania, **University of Oradea, Romania
28. *From Pacification to the Manipulation of Hope: Russian Propaganda's Strategic Turn after the Trump-Putin Call*, **Olga VLASOVA**, King's College London, United Kingdom

PANEL 2: EDUCATION AND MULTICULTURALITY

Chairpersons: **Fabiana MARTINESCU-BĂDĂLAN**
Gabriela MIHĂILĂ LICĂ

Venue: “Marshal Prezan” Auditorium
Building: B; 3rd Floor; Room: 80

1. *Enacting an Initiative Castalia to Fulfill New Teaching and Learning Demands amidst Artificial Intelligence (AI) and the Emergence of Artificial General Intelligence (AGI)*, **Sever AVRAM***, **Eric GILDER****, *EUROLINK, Bucharest, Romania, **Papua New Guinea University of Technology, Lae, PNG
2. *Physical Training Methods in Combined Sports. An Analysis Applied to Military Pentathlon*, **Dumitru Cătălin COHAL**, “Lucian Blaga” University of Sibiu, Romania
3. *Cross-Cultural Racial Interactions*, **Aniela Ioana CORLĂTEANU**, **Raluca RUSU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
4. *The Rhetoric of Headlines in Romanian and English Language Media Covering the Russian-Ukrainian Conflict. Insights for Journalism Literacy*, **Isabela-Anda DRAGOMIR*****, **Valerica SPORIȘ***, * “Lucian Blaga” University of Sibiu, Romania, *** “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
5. *Building Intercultural Competence: Multicultural Initiatives in Military Education*, **Olga DUARTE**, Military Academy, Lisbon, Portugal
6. *Teaching French to Romanian Cadets in 2025: Pedagogical Challenges*, **Daniela Elena DURALIA**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
7. *The Ethics of AI-Assisted Academic Writing. Authenticity Criteria in the Evaluation of Students’ Assignments*, **Oana-Antonia ILIE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

8. *The Learning Community – Roles, Effectiveness, Impact*, **Elena-Lucia MARA***, **Lucia-Larissa MORAR****, **“Lucian Blaga” University of Sibiu, Romania*, ***“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania*
9. *Managing Nutrition in the Age of Obesity*, **Fabiana MARTINESCU-BĂDĂLAN**, **Andrada-Oana PRIHOI**, *“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania*
10. *The Importance of Task-Based Learning and Scenario-Driven Exercises in the Teaching of Military English*, **Gabriela MIHĂILĂ LICĂ**, **Alina Gabriela NEGOESCU**, *“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania*
11. *Grammaring – The Fifth Language Skill*, **Brândușa-Oana NICULESCU**, **Isabela-Anda DRAGOMIR**, *“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania*
12. *The Use of AI in Education. Positive Aspects and Potential Risks*, **Alina-Elena ONET**, *“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania*
13. *Ground Combat Procedures and Their Contribution to the Training of Cadets. Theoretical and Methodological Aspects*, **Robert STĂNCIULESCU**, *“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania*
14. *Virtual and Mixed Reality Simulation Solutions in Romanian Naval Academy Training Process – Concept Study*, **Petru Sergiu ȘERBAN**, **Andra Teodora NEDELCU**, **Andrei POCORA**, *Romanian Naval Academy “Mircea cel Bătrân”, Constanța, Romania*
15. *Impacts of Excessive Use of Technology on Traditional Skills: An Analysis of Cognitive and Behavioral Risks and Consequences*, **Maria-Lucia TALMAȚCHI**, *“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania*

PANEL 3: ECONOMIC AND ADMINISTRATIVE SCIENCES

Chairpersons: **Alina CIUHUREANU**

Cristina BĂTUȘARU

Venue: “Dimitrie Cantemir” Auditorium

Building: B; 3rd Floor; Room: 67

Oral presentations:

1. *Military Spending and Personnel Dynamics: A Panel Data Analysis of NATO Members*, **Marian DOBRANSCHI**, **Valentin PÎRVUȚ**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
2. *Sustainable Defense Economics: Evaluating the Impact of Public Sector Financing Models on National Security Outcomes*, **Adrian IURA**, “Lucian Blaga” University of Sibiu, Romania

Posters:

1. *Nominal Convergence Optimization for Romania’s EURO Area Accession: A Linear Programming Approach*, **Cristina BĂTUȘARU**, **Alina BABOȘ**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
2. *Options for Operationalizing the Use of Financial Accounting Information to Achieve Performance*, **Alina CIUHUREANU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
3. *Payroll Taxation: A Source of Revenue for the State and/or a Burden for Employees and Employers*, **Elena FLORIȘTEANU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
4. *Considerations on the Impact of the Defense Industry on the National Economy*, **Sebastian FLOȘTOIU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
5. *Enhancing Payment Security in Ukrainian E-Commerce: A Model-Based Approach to Chargeback Risk Management*, **Kira HORIACHEVA**, **Yuliia TURCHENKO**, Taras Shevchenko National University of Kyiv, Military Institute, Kyiv, Ukraine

6. *Using Contingent Valuation as a Planning Tool for Cultural Heritage Restoration in Municipality of Reșița (Romania)*, **Florentina-Cristina MERCIU***, **Bogdan SUDITU***, **Cornel PĂUNESCU*****, **George-Laurențiu MERCIU***, *University of Bucharest, Bucharest, Romania, **Romanian Academy of Technical Sciences, Bucharest, Romania
7. *Youth Unemployment and the Impact of a High Early School Leaving Rate on Society's Development and Economic Growth*, **Mihaela NICOARĂ**, "Dimitrie Cantemir" Christian University, Cluj-Napoca, Romania
8. *Interdependencies between Educational Achievement, Income, and Unemployment in Romanian Counties*, **Emanuelle PERȚA***, **Monica ROMAN****, **Iliana CARAGEA****, *"Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania, **University of Economic Studies, Bucharest, Romania
9. *Centralized Public Procurement Units – A Possibility to Improve Public Procurement Efficiency*, **Ioan-Gabriel POPA**, "Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania
10. *Financial Stability – A Prerequisite for Sustainable Development of Non-Financial Economic Entities*, **Leontin STANCIU**, "Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania
11. *Artificial Intelligence Applied in the Pre-Contractual Stage of Banking Credit Contracts*, **Mariana Rodica ȚÎRLEA**, "Dimitrie Cantemir" Christian University, Bucharest, Romania
12. *The Efficient Market Hypothesis under Pressure from Behavioral Realities: An Empirical Perspective on Abnormal Returns*, **Kevin UNGAR***, **Sebastian-Emanuel STAN****, *"Lucian Blaga" University of Sibiu, Romania, **"Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania
13. *Maritime Supply Chain Disruptions: An AI-Conceptual Framework for Geopolitical Risk Forecasting*, **Claudia-Iohana VOICU**, Bucharest University of Economic Studies, Romania

PANEL 4: MANAGEMENT AND LEADERSHIP

Chairpersons: **Elida-Tomița TODĂRIȚĂ**
Dan MIRICESCU

Venue: “Mircea cel Bătrân” Auditorium
Building: B; 2nd Floor; Room: 48

Oral presentations:

1. *Study on the Existence of Elements of Transactional Leadership in Organizations*, **Dan MIRICESCU***, **Elida-Tomița TODĂRIȚĂ****, **“Lucian Blaga” University of Sibiu, Romania*, ***“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania*

Posters:

1. *The Image of the Polish Armed Forces as a Guarantor of National Security in the Opinion of Generation Z*, **Agnieszka BEKISZ**, **Janusz MATERAC**, General Tadeusz Kościuszko Military University of Land Forces (WSOWL), Wrocław, Poland
2. *Organizational Culture Trends in the Context of the Adoption of the Green Dimension of Sustainability in the Organization*, **Elisabeta-Emilia HALMAGHI**, **Hortensia GORSKI**, **Nicolae MORO**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
3. *Managerial Challenges in the Current Geostrategic Context, Specific to Southeastern Europe*, **Dumitru IANCU**, **Anca DINICU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
4. *Improving Police Employer Image and Personnel Security: Empirical Findings from Poland*, **Dorota KUREK**, War Studies University, Warsaw, Poland
5. *Preparing the Territory for Defence – Between Theoretical Conceptual Models and Practical Technical-Managerial Realities*, **Gabriel MĂNESCU**, **Dorel BADEA**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

6. *Assessing Knowledge in Performance Management for Sustainable Urban Mobility*, **Ionuț-Dragoș NATEA**, **Corina CRUCERU**, **Dănuț Dumitru DUMITRAȘCU**, “Lucian Blaga” University of Sibiu, Romania
7. *The Need for a Strategic Master in Cost Estimation and Military Acquisition Management*, **Toma PLEȘANU**, **Dorel BADEA**, **Tiberiu GIURGIU**, **Isabela-Anda DRAGOMIR**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
8. *Measuring AI’s Impact on European Consumer Satisfaction: A Bibliometric Analysis of Integrated Solutions*, **Andreea PORANCEA-RĂULEA**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
9. *Globalization – Source of Strategic Advantage or Failure of National and International Policies?*, **Diana Elena RANF***, **Andra-Teodora GORSKI****, * “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania, ** “Lucian Blaga” University of Sibiu, Romania
10. *Organisational Functionality and Performance in the Military: Conceptual and Strategic Considerations*, **Alexandru-Marius RIZESCU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
11. *Professional Stress: Theoretical Perspectives and the Romanian Post-Communist Context*, **Cornelia TOMESCU-DUMITRESCU***, **Nicolae-Cătălin DINUCĂ****, **Elena-Claudia DINUCĂ*****, * “Constantin Brâncuși” University of Târgu-Jiu, Romania, ** University of Craiova, Romania, *** “Titu Maiorescu” University, Bucharest, Romania
12. *Adaptability and Redundancy: Core Principles Differentiating Military Logistics from Civilian Models*, **Robert-Cristian TRIF***, **Dănuț-Dumitru DUMITRAȘCU***, **Alexandru BABOȘ****, * “Lucian Blaga” University of Sibiu, Romania, ** “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

PANEL 5: TECHNICAL SCIENCES AND TECHNOLOGY

Chairpersons: **Annamaria SÂRBU**

Tiberiu GIURGIU

Venue: Artillery Room

Online presentations:

1. *Planning the Field Movement Using ArcGIS*, **Diana MANCAȘ**, Esri Romania, Bucharest, Romania

Oral presentations:

1. *Quantum Batteries Based on Metastable Molecules*, **Yordan KATSAROV**, “Georgi Benkovski” Bulgarian Air Force Academy, Dolna Mitropolia, Bulgaria
2. *Aspects of Ballistic Panels Made of Endumax XF33, Tested against Different Projectiles*, **Christian POPESCU***, **Alexandru Viorel VASILIU****, **Dan CĂLINESCU***, **George Cătălin CRISTEA*****, **Simona Maria SANDU***, **Lorena DELEANU****, *Center for Research and Innovation for CBRN Defence and Ecology, Bucharest, Romania, **“Dunărea de Jos” University, Galați, Romania, ***National Institute for Aerospace Research (INCAS), Bucharest, Romania

Posters:

1. *Suspension Bridges – Important Component of Military Mobility*, **Andrei CONSTANTIN**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
2. *Mathematical Model of the Combat Use of an Aircraft Gun Against a Ground Target*, **Milen ATANASOV**, **Yavor VARBANOV**, “Georgi Benkovski” Bulgarian Air Force Academy, Dolna Mitropolia, Bulgaria
3. *On the Calculus of the Natural Frequencies of Functionally Graded Plates by Using the Concepts of Multilayer and Equivalent Material*, **Ghiță BÂRSAN***, **Vasile NĂSTĂSESCU****, **Nicolae MORO***, **Ioan VIRCA***, * “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania, ** “Ferdinand I” Military Technical Academy, Bucharest, Romania

4. *Artillery in the Digital Era: The Evolution of Artillery Command and Control in Networked Warfare*, **George BUCĂȚA**, **Nicolae MORO**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
5. *An Elementary Method of Determining Hamiltonian Paths in Oriented Graphs that Admit Circuits*, **Vasile CĂRUȚAȘU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
6. *Investigation of the Causes of Malfunctions of AI-25TL Gas Turbine Engine*, **Danail DAMYANOV**, “Georgi Benkovski” Bulgarian Air Force Academy, Dolna Mitropolia, Bulgaria
7. *The Role of Educational Chatbots in Adapting Educational Systems to the BANI Model: A Causal Layered Analysis Approach*, **Ilie GLIGOREA***, **Romana OANCEA***, **Andra-Teodora GORSKI****, * “Nicolae Bălcescu”, Land Force Academy, Sibiu, Romania, ** “Lucian Blaga” University of Sibiu, Romania
8. *The Operational Benefits of Functional and Structural Optimization of First Person View UAVs in the Romanian Armed Forces*, **Robert Alexandru IRIMIA**, **Silviu-Mihai PETRIȘOR**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
9. *Adding Atmospheric Turbulence to a Mathematical Model of an Aircraft*, **Martin KAMBUSHEV**, **Assen MARINOV**, “Georgi Benkovski” Bulgarian Air Force Academy, Dolna Mitropolia, Bulgaria
10. *Numerical Modeling and Simulation-Based Assessment of Underwater Explosion Effects Near an Offshore Oil and Gas Extraction Platform*, **Adrian MALCIU***, **Gabriel-Flavius NOJA****, **Constantin-Cristinel PUICĂ***, *Military Equipment and Technologies Research Agency, Clinceni, Romania, ** “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
11. *An Algorithm for Small Aircraft Recognition by Unmanned Air Vehicle Imagery*, **Marin MARINOV**, **Penyo PENEV**, “Georgi Benkovski” Bulgarian Air Force Academy, Dolna Mitropolia, Bulgaria
12. *Study for a 122 mm Artillery Rocket Steered with Lateral Thrusters*, **Marius-Ionuț MĂRMUREANU**, Military Equipment and Technologies Research Agency, Clinceni, Romania

13. *Drones – A Credible Enabler Challenging the Hegemony of Artillery in Current and Future Conflicts*, **Iulian-Radu MONORANU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

14. *The Role of CBRN Warning and Reporting Structures – The Functional Domain of CBRN Information Management in Operations*, **Dănuț MOȘTEANU***, **Călin GAVA****, ***“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania, ***“Ferdinand I” Military Technical Academy, Bucharest, Romania

15. *Analysis of Cybersecurity Training Platforms and Simulation Environments and Opportunities for Their Integration into Higher Education*, **Vasile Dimitar TASHKOV***, **Elitsa PAVLOVA****, **Veselina GAGAMOVA***, **Violeta VASILEVA*****, *Rakovski National Defence College, Sofia, Bulgaria, **University of National and World Economy (UNWE), Sofia, Bulgaria, ***Future Innovation Labs, Sofia, Bulgaria

16. *Aspects of Ballistic Panels Made of Unidirectional Aramid Fabrics, Tested Against 9 mm FMJ Projectile*, **Cătălin PÎRVU***, **Christian POPESCU****, **Lorena DELEANU*****, **Alexandru Viorel VASILIU*****, **George GHIOCEL OJOC******, *National Institute for Aerospace Research (INCAS), Bucharest, Romania, **Center for Research and Innovation for CBRN Defence and Ecology, Bucharest, Romania, ***“Dunărea de Jos” University, Galați, Romania, ****Autonomous Flight Technologies, Clinceni, Romania

17. *Nutritional Challenges in Military History: An Analysis of Romanian Soldiers’ Diet During World War II*, **Miruna POPA**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

18. *Prospects of Troposcatter Systems in Military Communication Networks*, **Annamaria SÂRBU**, **Dorin ALEXANDRESCU**, **Cornelia GALBEN**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

19. *Use of Simulation for Training and Improving Ships Maintenance Performance*, **Dragoș SIMION***, **Cosmin PARTENE****, **Alexandru COTORCEA***, **Florin NICOLAE***, **Florin POSTOLACHE***, ***“Mircea cel Bătrân” Naval Academy, Constanța, Romania, **National University of Science and Technology POLITEHNICA, Bucharest, Romania

20. *The Impact of Microplastics and Nanoplastics on Human Health: A Follow-Up Study Focusing on Endocrine, Nervous, and Immune Systems*, **Adrian Ioan STOIAN**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

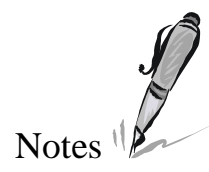
21. *SDR System for Real-Time FHSS Communications Detection and Jamming*, **Mirela ȘORECĂU***, **George-Eduard POPA****, **Emil ȘORECĂU***, **Paul BECHET***, *Technical University of Cluj-Napoca, Romania, **“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

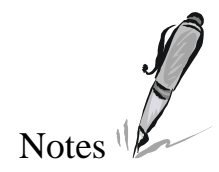
22. *Research on the Determination of the Roughness of Some Sintered Metallic Materials*, **Ioan VIRCA**, **Vasile CĂRUȚAȘU**, **Tiberiu GIURGIU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania

23. *Design, Fabrication and Characterization of a Three-Band, Four-Ports Planar MIMO Antenna*, **Andra-Elena-Adina ZAINEA***, **Simona MICLĂUȘ***, **Gianluca DASSANO****, * “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania, **Polytechnic University of Torino, Italy

24. *Enhancing the Learning Experience through Augmented Reality: Practical Applications and Success Stories*, **Fabiana-Georgiana ZEICU*****, **Florin-Lucian KISS*****, **Ilie GLIGOREA***, * “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania, ** “Lucian Blaga” University of Sibiu, Romania, ***Independent Researcher, Sibiu, Romania







Keyboarding Assistance:

Iulia Maria BOBOI

Elena PLEȘANU


Maria-Cristina ȚUNDRECI

Administrative Assistance:

Florin CUNȚAN

Valentin BRAȘOVEANU

Iulian CREȚU

 “Nicolae Bălcescu” Land Forces Academy Publishing House
488/12.06.2024, C 100