

UNIVERSITY HALL & SENATE HALL & VIRTUAL ROOM FCSM

08:30 - 09:00 Welcome and registration of participants

09:00 National Anthem

- 09:00 09:10 Opening speech Commandant (Rector), Maj. Gen. Eugen MAVRIS
- 09:10 09:20 Opening keynote speech Deputy for Operations and Training of the Chief of Defence Staff, Lt. Gen. Iulian BERDILĂ
- 09:20 09:25 Administrative remarks Laura Alexandra ŢENEA
- 09:25 10:50 Keynote speakers topic

"New security challanges are reshaping the future of defense" Coordinators:

- Col. Associate Professor Ștefan-Antonio DAN-ȘUTEU (NDU)
- Cornel ARGINT (DNSC)
- Tiberius Septimiu TOMOIAGĂ (Deputy Manager for Scientific Research ACTTM)
- Ella CIUPERCĂ (Critical infrastructure Expert ICI)
- Bogdan Ioan COCULESCU(Cantacuzino National Military Medical Institute for Research and Development)
- 10:50 11:15 Group photo & Coffee break / STAND SPONSOR
- 11:15 12:45 Parallel Sesions: PANEL 1 & PANEL 2
- 12:45 13:00 Coffee break / STAND SPONSOR
- 13:00 14:30 Parallel Sesions: PANEL 3 & PANEL 4
- 14:30 14:40 Break / STAND SPONSOR
- 14:40 15:15 Workshop dissemination of the results obtained within the project "Integrated Educational Infrastructures for Smart Learning 4 EDU"

15:15 – 15:30 Conference Closing Remarks

15:30 - 16:00 Lunch / STAND SPONSOR

E B

Panel 1

New challenges in the curent security context

Room A: https://strategii21.ro/index.php/en/conference/ technologies-military-applications-simulation-and-resourcesfcsm/conference-presentation

Moderators: Cdor. Prof. Lucian SCIPANOV & Lt. col. Prof. Adi MUSTAȚĂ & CS I Ella CIUPERCĂ

A DIFFERENT APPROACH ON EU SECURITY AND DEFENCE MUTUAL DEFENCE VS COLLECTIVE DEFENCE Mădălin-Adrian BANGALĂ

THE STRATEGIC ROLE OF THE DANUBE IN DEVELOPING AN INTEGRATED MARITIME SECURITY STRATEGY FOR ROMANIA AT THE BLACK SEA Alexandru-Viorel CÎNJĂU, Corneliu MOLDOVEANU, Teodor POPESCU-NEACŞU

BIG CHALLENGES FOR SMALL NAVIES: OVERCOMING DEVELOPMENTAL HURDLES IN AN EVOLVING MARITIME LANDSCAPE Marian-Vasile SAVA

NAVAL CONFLICTS IN THE BLACK SEA: IMPACT ON REGIONAL SECURITY AND INTERNATIONAL RELATIONS Lucian-Valeriu SCIPANOV, Dan-Andrei STRUGARIU

DRONES, ARTIFICIAL INTELLIGENCE AND INNOVATION: THE TECHNOLOGIES USED IN THE WAR IN UKRAINE ARE REDEFINING MODERN WAREFARE Cristian Alexandru SALAC

MANIPULATING PERCEPTION: THE ROLE OF DEEPFAKES IN COGNITIVE WARFARE AND FACT-CHECKING Cláudio SOUSA, Rafael FREITAS, Carlos BERNARDINO

CONSIDERATIONS ON THE CHIEF OF STAFF'S ROLE IN NAVAL OPERATIONS PLANNING Andrei PAVĂL

> ARE DRONE SWARMS A REAL THREAT? Cătălin BALMUŞ

CONSIDERATIONS ON THE APPLICATION OF THE MISSION COMMAND CONCEPT IN RELATION TO THE GEOGRAPHICAL PARTICULARITIES OF THE MARITIME AND RIVERIAN OPERATIONS AREAS Cornel Eugen COJOCARU

Corner Eugen COJOCARU

THE IMPACT OF OPEN-SOURCE INTELLIGENCE ON MODERN CONFLICTS Marius-Daniel IONIȚĂ

CONSIDERATIONS ON CARRIER STRIKE GROUPS AS MARITIME POWER PROJECTION ENABLERS, THEIR ROLE IN ALLIED DETERRENCE OPERATIONS AND THEIR RELEVANCE FOR THE MEDITERRANEAN SEA Nicolae BOBEICĂ

TECTONICS OF THE INTERNATIONAL SECURITY ENVIRONMENT –A SUCCINT, MULTIDIMENSIONAL ANALYSIS Lehaci OTILIA

PANEL 2

Technologies – Military applications, Cyberdefence, Modelling and Simulation

Room B: https://strategii21.ro/index.php/en/conference/ technologies-military-applications-simulation-and-resourcesfcsm/conference-presentation

Moderators: Col. Assoc. Prof. Petar MARINOV & Col. Assoc. Prof. Daniel ROMAN & Capt. Bogdan-Iulian CIUBOTARU

THE IMPACT OF AI SYSTEMS IN THE UKRAINE CONFLICT: LESSONS FOR AIR FORCES Marius-Alexandru VOICU, Olimpiu-Valentin LEFTER

> INTEGRATED TRAINING SYSTEM FOR THE CYBER BATTLEFIELD Ion BICA, Ștefan CANTARAGIU

RADAR SYSTEM IMPLEMENTATION AND ANALYSIS Florina-Mădălina BAROS, Cristina-Mihaela IONITĂ

FINE-TUNING ARTIFICIAL INTELLIGENCE MODELS FOR ENHANCED MILITARY

> APPLICATIONS Alexandra-Codruța NEAGU

MODELING AND SIMULATION OF A FIXED-WING MILITARY AICRAFT (F-16 Falcon) Cristina-Mihaela IONIȚĂ, Florina-Mădălina BAROS

THE ROLE OF HIGHALTITUDE PLATFORMS IN ENHANCING MILITARY SURVEILLANCE, COMMUNICATION, AND DEFENSE Horia-Daniel STEFÄNESCU, Vasile COSTAN

USE OF NAVAL DRONES IN RECENT CONFLICTS OR IN PROGRESS Ioan MOLDOVAN

UNMANNED VEHICLES IN NAVAL ENVIRONMENT MONITORING: CONFIGURATIONS AND MISSION Todor DIMITROV

SWARM DRONES IN CURRENT CONFLICTS: THE IMPACT AND CHALLENGES OF AUTONOMOUS TECHNOLOGIES IN MODERN WARFARE Ioan-Andrei ITU

FORWARD DEFENSE IN CYBERSPACE: OPPORTUNITIES AND RISKS FOR ROMANIA'S NATIONAL SECURITY Dragos VETRESCU

AIR DEFENSE TECHNOLOGICAL ASPECTS OF LAND FORCES IN THE MULTI-DOMAIN OPERATIONS Daniel ROMAN

HIMARS INFLUENCE ON JOINT FUNCTIONS Adrian MIREA

Panel 3

Multi-domain operations, resources management and logistics

Room A: https://strategii21.ro/index.php/en/conference/ technologies-military-applications-simulation-and-resourcesfcsm/conference-presentation

Moderators: Lt. col. Assist. Prof. Adrian MIREA & Lt. col. Assist. Prof. Daniela HRAB & Cpt. cdor. Assist. Prof. Alexandru CUCINSCHI

WET GAP CROSSING IN A MULTIDOMAIN CONTESTED OPERATING ENVIRONMENT Cristian SABOU

EXPLOITING CIVILIAN ASSETS IN MARITIME OPERATIONS AND CORRESPONDING COUNTERMEASURES Marian SANDU, Silviu-Marian FARFARA, Vlad-Alexandru ORHEAN

COMMANDER AS A MANAGER AND LEADER – TEAM MANAGEMENT IN HIGH-DYNAMICS ENVIROMENTS Katarzyna KURKIEWICZ

FROM JOINT OPERATIONS TO MULTI-DOMAIN OPERATIONS – PARADIGM SHIFT OR FAINT CHANGE Mihai-Marcel MURARU, Nicolae NENCU

CONTESTED LOGISTIC ENVIRONMENT Eduard SOUCALIUC, Anca Ecaterina CANDALE, Cristina LEŞAN, Raul TURIC

CONCEPTUAL ANALYSIS OF MILITARY STRATEGIC THINKING FUNDAMENTAL ELEMENTS Bogdan Daniel IOSIF

THE HUMAN FACTOR - AUTONOMOUS SYSTEMS, A NECESSARY COMPLEMENTARITY IN THE CURRENT SECURITY CONTEXT Silviu-Marian FARFARA, Ionut CIORANU

> FIRE PREPARATION FOR ATTACK – A TRADITIONAL AND MODERN CONFLICT NECESSITY Adrian MIREA

THE IMPACT OF NEW TECHNOLOGIES ON PHYSICAL EDUCATION AND SPORTS ACTIVITIES IN THE ARMY Alin-Dumitru PELMUŞ, Ion ANDREI

EVOLVING OPERATIONAL CONCEPTS: FROM AIR-LAND SYNCHRONIZATION TO MULTI-DOMAIN CONVERGENCE IN CONTEMPORARY CONFLICTS Iulian-Radu MONORANU

EUROPEAN UNION DEFENCE FUNDING MECHANISMS Mădălina SCIPANOV

PANEL 4

Hybrid warfare and critical infrastructures protection

Room B: https://strategii21.ro/index.php/en/conference/ technologies-military-applications-simulation-and-resourcesfcsm/conference-presentation

Moderators: Col. Assoc. Prof. Petrișor PĂTRAȘCU & Dănuț MAFTEI & Lt. col. Assist. Prof. Cosmin BUȚĂ

THE ROLE OF THE ROMANIAN NAVAL FORCES IN ENSURING ENERGY SECURITY Bogdan-Vasile ATASIEI, Vasile-Cătălin CHIRUȚĂ, Marian PLĂCINTĂ

THE IMPACT OF AI HALLUCINATIONS IN THE MILITARY Ruxandra-Elena ŢEPEŞ

DEFENDING THE ROMANIAN COASTLINE WITH DRONES Alexandru Ionuț DOBRE

ENHANCING NATIONAL RESILIENCE THROUGH CRITICAL INFRASTRUCTURE PROTECTION IN TODAY'S HYBRID OPERATIONAL ENVIRONMENT Petru – Marian VEREŞ

CRITICAL MARITIME INFRASTRUCTURE PROTECTION Pavel-Traian FETTI, Todor Dimitrov

PERSON DETECTION IN DAYTIME AND NIGHTTIME ENVIRONMENTS FOR SEARCH AND PATROL MISSIONS Pedro MARGALHO, Gonçalo CRUZ

AUTOMATIC DETECTION OF UNIDENTIFIED SHIPS USING SATELLITE IMAGES Marta CAPITO, Diogo SILVA

THE USE OF DRONES AS ASYMMETRIC MEANS IN MODERN WARFARE Raul-Bogdan AGAPI

PROTECTION OF TRANSPORT INFRASTRUCTURE AGAINST TERRORIST THREATS Ana-Denisa CHELARIU, Mihaela ŞUŞNEA

ADAPTING CRITICAL INFRASTRUCTURES FOR A CLIMATE-RESILIENT FUTURE Mihaela ŞUŞNEA, Ana-Denisa CHELARIU