'Henri Coandă' Air Force Academy





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Universitatea Transilvania din Brasov

Conference Guide **AFASES 2019**

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Conference Agenda

$08^{00} - 09^{00}$	Participants registration
$09^{00} - 10^{00}$	AFASES Opening Session: speeches, program presentation
	group photo
$10^{00} - 11^{30}$	Plenary session: Keynote speakers presentations
$11^{30} - 12^{00}$	Coffee break
$12^{00} - 13^{30}$	Paper presentations on panels (I)
$13^{30} - 14^{30}$	Lunch
$14^{30} - 16^{00}$	Paper presentations on panels (II)
$08^{00} - 16^{00}$	In parallel, workshop on military drones, in partnership with
	the Romanian Headquarter of Communications and
	Informatics
$17^{00} - 19^{00}$	Concert in Concil Square (Air Force Academy Military
	Band and Brasov Philharmonic Orchestra)
$20^{00} - 24^{00}$	AFASES official dinner/ AFASES facilities

Friday, May 31st, 2019

Saturday, June 1st, 2019

$10^{00} - 11^{30}$	Paper presentation on panels
$10^{00} - 11^{30}$ In parallel, workshop on military drones, in partnership with	
	the Romanian Headquarter of Communications and
	Informatics
$10^{00} - 18^{00}$	Brașov-Ghimbav Airport: Exhibition Brașov fAir
$10^{00} - 16^{00}$	International Children's Day Spectacle
$10^{30} - 12^{00}$	Sports competitions
$12^{00} - 16^{00}$	Flights by light planes, balloons, parachute jumping
$12^{00} - 16^{00}$	Training for Air Show
$16^{00} - 22^{00}$	Concert Iron Dragon

Sunday, June 2nd 2019

$10^{00} - 12^{00}$	Transport to Brașov-Ghimbav Airport
$10^{00} - 17^{30}$	In parallel, Exhibition Brașov fAir
$12^{30} - 17^{30}$	Brașov Air Show (BrAShow)
$17^{30} - 19^{30}$	Hangar Party
$19^{30} - 20^{00}$	Transport to Brașov

The Session Panels

1. MILITARY SCIENCESE5102. AIRSPACE SECURITY SYSTEMS & CYBER DEFENCEE44153. FUNDAMENTAL SCIENCES & ENGINEERINGE4518
& CYBER DEFENCE E44 15 3. FUNDAMENTAL SCIENCES & ENGINEERING E45 18
ENGINEERING E45 18
4. METEOROLOGY & APPLIED CLIMATOLOGY E72 23
5. OPERATIONAL MEDICINE E32 26
6. OPERATIONAL REQUIREMENTS FOR AERIAL DRONES USED IN INTEGRATED AIR SPACE (WORKSHOP) E54 29
7. ROMANIAN MILITARY
THINKING (ROUND TABLE) C13 31

International Scientific Committee

Scientific Directors of the Conference:

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Gabriel RĂDUCANU, PhD
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Rector of 'Henri Coandă' Air Force Academy , Brasov, Romania Ioan-Vasile ABRUDAN, PhD

Rector of 'Transilvania' University, Brasov, Romania

Scientific Committee:

Nuri ARSLAN, PhD Gülhane Military Medical Academy, Ankara, Turkey Gabriela BĂNCILĂ. PhD National Meteorological Administration, Bucharest, Romania Sorin CHEVAL, PhD "Henri Coandă" Air Force Academy, Brasov, Romania Adina-Eliza CROITORU, PhD "Babes-Bolyai" University, Cluj-Napoca, Romania Dilyan DIMITROV, PhD "Vasil Levski" National Military University, Veliko Târnovo, Bulgaria Dimo DIMOV. PhD University of Bath, Somerset, United Kingdom Philippe DONDON, PhD École Nationale Supérieure d'Électronique, Informatique, Télécommunications, Mathématique et Mécanique (ENSEIRB-MATMECA), Bordeaux, France William D. HATCH. PhD Naval Postgraduate School, Monterey, CA, USA Bogdan GRENDA, PhD War Studies University, Warsaw, Poland Vladimir HORÁK, PhD University of Defence, Brno, Czech Republic

Florentina IONIȚĂ, PhD
"Titu Maiorescu" University, Bucharest, Romania/ commander of
"Dr.Carol Davila" Central Military Emergency University Hospital,
Bucharest, Romania
Ayhan KILIÇ, PhD
Istanbul Okan University, Turkey
Jaroslaw KOZUBA, PhD
Silesian University of Technology, Gliwice, Poland
Berangere LARTIGUE, PhD
"Paul Sabatier" University, Toulouse, France
Adrian LESENCIUC, PhD
"Henri Coandă" Air Force Academy, Brasov, Romania
Marin MARINOV, PhD
"Vasil Levski" National Military University, Veliko Târnovo, Bulgaria
Andreas MATZARAKIS, PhD
"Albert Ludwigs" University, Freiburg, Germany/ German
Meteorological Service, Freiburg, Germany
Vasile NĂSTĂSESCU, PhD
Military Technical Academy, Bucharest, Romania
Dragoș Marian POPESCU, PhD
University of Medicine and Pharmacy, Craiova, Romania/ head of the
Medical Department, MoD, Bucharest, Romania
Daniela ROȘCĂ, PhD
University of Craiova, Romania
Alexandra SARCINSCHI, PhD
"Carol I"National Defense University, Bucharest, Romania
Michael TODOROV, PhD
Technical University, Sofia, Bulgaria
Michal ŽÁK, PhD
Charles University, Prague, Czech Republic

Organizing Committee

Chair:

Prof habil. Adrian LESENCIUC, PhD

Vice Rector for Science, 'Henri Coandă' Air Force Academy , Brasov, Romania

Members:

Prof Eng. Constantin ROTARU, PhD Prof Sorin CHEVAL, PhD Assoc Prof Eng. Laurian GHERMAN, PhD Assoc Prof Cătălin CIOACĂ, PhD Assist Prof Eng Vasile PRISACARIU, PhD MD Alexandru KERESZTES Col. Sorin BĂLĂSESCU, PhD Psich. Mihaela OANCEA

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Std Andreea BEGA	Std Andrei DRĂGAN
Std Sonia DELIMAN	Std Ciprian IONEL
Std Oana MAXIM	Std Răzvan LEAŞ
Std Narcisa PINTELEI	Std Andreea MOISA
Std Vasilică FLOARE	Std Vlad OPREA
Std Andreea VLACH	Std Marian DRĂCEA
Std Andrei COSMA	Std Vlăduț PREUTU
Std Denisa MĂLUȚAN	
	Std Mihail VASILACHE Std Oana NICOLAE Std Roxana SAVIN Std Andreea BEGA Std Sonia DELIMAN Std Oana MAXIM Std Narcisa PINTELEI Std Vasilică FLOARE Std Andreea VLACH Std Andrei COSMA

Keynote Speakers

Presentation of Joe BORELLI, PhD

City University of New York/ The New York City Council, New York, USA

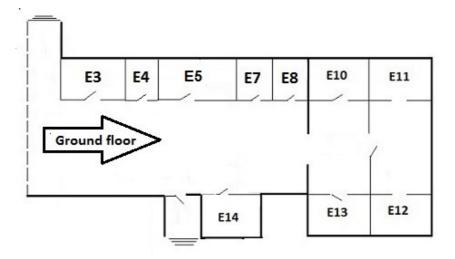
Presentation of Antonia COLIBASANU, PhD

analyst, Geopolitical Futures, Austin, Texas, USA

Presentation of Andreas MATZARAKIS, PhD

"Albert Ludwigs" University, Freiburg, Germany/ German Meteorological Service, Freiburg, Germany

1. Military Sciences



1. Military Sciences

Conference ROOM E5

Chairmen:

Brigadier General Corneliu POSTU

Board Director of General Staff

Adrian LESENCIUC

"Henri Coandă" Air Force Academy, Brașov, Romania

Panel coordinator:

Cătălin CIOACĂ

"Henri Coandă" Air Force Academy, Brașov, Romania

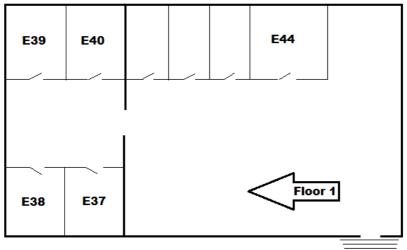
1.	THE ISSUE OF AIRSPACE AND OUTER SPACE DELIMITATION AND ITS POTENTIAL IMPACT ON GLOBAL SECURITY Radu-Mihai DINCĂ*, Traian ANASTASIEI** *"Carol I" National Defence University, Bucharest, Romania **"Henri Coandă" Air Force Academy, Brașov, Romania
2.	CONSIDERATIONS ABOUT REFORM OF EUROPEAN AVIATION SAFETY Eduard MIHAI, Oliver CIUICĂ "Henri Coandă" Air Force Academy, Brașov, Romania
3.	CONSIDERATIONS ABOUT THE FUTURE FIGHTER PILOTS DEVELOPMENT Laurentiu MITITELU Romanian Air Force Headquarter Bucharest, Romania
4.	ANALYSIS SPECIFIC BEHAVIOR OF MISSILE GUIDANCE SYSTEMS WITH RANDOM PERTURBATIONS Nikolay Veselinov GENCHEV Aviation Faculty, "Vasil Levski" National Military University, Veliko Târnovo, Bulgaria

5.	GLIDER FLIGHT TRAINING APPLICATION IN TURKISH AIR FORCE Goksel KESKIN [*] , Hasim KAFALI ^{**} , Seyhun DURMUS [*] , Selim GURGEN [*] , Melih Cemal KUSHAN [*] [*] Eskişehir Osmangazi University, Graduate School of Natural and Applied Sciences Eskisehir, Turkey ^{**} Mugla Sıtkı Koçman University, Dalaman School of Civil Aviation, Muğla, Turkey
6.	RESEARCH ON APPLICATIONS OF MINI-TURBOJET AND TURBOJET ENGINED MILITARY UAVS Mehmet TURKAY [*] , Selim GURGEN [*] , Göksel KESKIN [*] , Seyhun DURMUS ^{**} Melih Cemal KUSHAN [*] [*] Eskisehir Osmangazi University, Department of Mechanical Engineering, Eskisehir, Turkey ^{**} Balıkesir University, Edremit School of Civil Aviation, Balıkesir, Turkey
7.	FUNDAMENTAL TREATIES BETWEEN THE RUSSIAN FEDERATION AND THE USA IN THE NUCLEAR MISSILE SPHERE Alexandru-Marius FUGARETU "Nicolae Balcescu" Land Forces Academy, Sibiu, Romania
8.	WHY DID THE AXIS LOSE THE SECOND WORLD WAR? A POLITICO-MILITARY AND SOCIO-ECONOMIC PERSPECTIVE Gabriel GIUVARĂ*, Gabriel RĂDUCANU** *Air Operations Center, Bucharest, Romania ***"Henri Coandă" Air Force Academy, Brașov, Romania
9.	THE INFLUENCE OF ESSENTIAL GENERIC TECHNOLOGIES ON FUTURE CURRICULUM PROGRAMS Toma PLEŞANU "Nicolae Balcescu" Land Forces Academy, Sibiu, Romania
10.	METHODS OF RESEARCH AND ORGANIZATIONAL DEVELOPMENT OF MILITARY STRUCTURES Adrian Valentin CÎŢĂ "Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania
11.	MODELING IN OPERATIONAL RESEARCH Serjiu-Gheorghe OBREJA [*] , Ionuţ TĂRTĂREANU ^{**} [*] "Henri Coandă" Air Force Academy, Brașov, Romania ^{**} Regional Department of Defense Resources Management Studies, Brașov, Romania

12.	<i>THE CARPATHIAN REGION – REGIONAL SECURITY COMPLEX</i> Mircea BARAC Romanian Defence Staff
13.	THE DIALECTICS OF DECISIONAL TYPOLOGIES: RATIONALITY VS INTUITION Florin STAFI, Marian NICULAE National Defense University "Carol I", Bucharest, Romania
14.	POLIHEURISITC APPROACH OF CYBERWARFARE BASED ON CYBER POWER INDEX Horațiu MOGA [*] , Andrei LUCHIAN ^{**} , Răzvan BOBOC ^{**} [*] "CNIF-MFP, Brașov, Romania ^{**} Transilvania University, Brașov, Romania
15.	THE HYBRID HEAVY ASSAULT Bogdan-Cezar CHIOSEAUA "Henri Coandă" Air Force Academy, Brașov, Romania
16.	ACTIVE CYBER DEFENCE IN THE CONTEXT OF HYBRID ACTIONS Cătălin CIOACĂ, Bogdan ȚUȚUIANU, Ștefan RĂDĂCINĂ "Henri Coandă" Air Force Academy, Brașov, Romania
17.	"POWER DISTANCE", "UNCERTAINTY AVOIDANCE" AND THE LEVEL OF LINGUISTIC KNOWLEDGE – ESSENTIAL DIMENSIONS OF FUNCTIONING OF MILITARY COALITIONS Rita PALAGHIA "Henri Coandă" Air Force Academy, Brașov, Romania
18.	SWOT ANALYSIS OF "BALTICA 07" MISSION FROM CIVIL- MILITARY COOPERATION PERPECTIVE Cosmina-Oana ROMAN "Henri Coandă" Air Force Academy, Brașov, Romania
19.	ASPECTS REGARDING PEACEFUL WAYS OF CONFLICT PREVENTION AND OF SOLVING INTERNATIONAL DIFFERENCES Dumitru TOADER "Henri Coandă" Air Force Academy, Brașov, Romania
20.	PSYOPS, LEGITIMACY AND INTERNATIONAL POLITICAL CULTURE Ioana LEUCEA, Ioana-Miruna POPESCU "Mihai Viteazul" National Intelligence Academy, Bucharest, Romania

21.	THE IDENTITY MAP OF RADICALIZED YOUTH Florentina HĂHĂIANU, Andrei-Cristian MORARU "Mihai Viteazul" National Intelligence Academy, Bucharest, Romania
22.	SUICIDAL ATTACKS - BETWEEN RATIONAL AND IRRATIONAL Ammar EL BENNI "Mihai Viteazul" National Intelligence Academy, Bucharest, Romania
23.	THE ROLE OF COMMUNICATION IN INFORMATION OPERATIONS (INFO OPS) AND INFORMATION RESOURCES MANAGEMENT (IRM) Adrian LESENCIUC "Henri Coandă" Air Force Academy, Brașov, Romania
24.	DISCIPLINARY LIABILITY OF THE MILITARY PERSONNEL Mihai-Alin MECLEA, Dumitru TOADER "Henri Coandă" Air Force Academy, Brașov, Romania
25.	<i>THE EUROPEAN UNION CITIZENSHIP</i> Dumitru TOADER "Henri Coandă" Air Force Academy, Brașov, Romania
26.	THE DETERMINATION METHOD OF THE COMBAT POSSIBILITIES OF MILITARY UNIT Azer ALIEV, Azad BAYRAMOV Armed Forces War College of the Azerbaijan Republic Baku, Azerbaijan Republic

2. Airspace Security Systems & Cyber Defence





2. Airspace Security Systems & Cyber Defence

Conference ROOM E44

Chairmen:

Marin MARINOV

Aviation Faculty, "Vasil Levski" National Military University, Dolna Mitropolia, Bulgaria

Laurian GHERMAN

"Henri Coandă" Air Force Academy, Brasov, Romania

Panel coordinator:

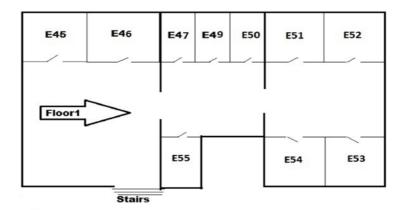
Laurian GHERMAN

"Henri Coandă" Air Force Academy, Brașov, Romania

1.	"POOLING AND SHARING" OR "INTELLIGENT DEFENSE" IN THE FIELD OF SECURITY Ivaylo ANGELOV "Vasil Levski" National Military University, Veliko Tarnovo, Bulgaria
2.	ONBOARD VISUAL TRACKING FOR UAS Marian-Valentin BĂNICĂ, Anamaria RĂDOI, Petrișor-Valentin PÂRVU "Politehnica" University, Bucharest, Romania
3.	COMPARATIVE ANALYSE REGARDING THE SURFACE-TO-AIR MISSILES GUIDING IN TERMS OF USING THE THREE POINTS AND PROPORTIONAL APPROACH METHODS Cristian-George CONSTANTINESCU, Vasile-Ioan ŞANDRU, Constantin STRÎMBU "Henri Coandă" Air Force Academy, Brașov, Romania

4.	COMPUTING OF PERFECT BAYESIAN EQUILIBRIUM INVOLVED IN RADIO-JAMMING WARFARE BASED ON INCOMPLETE INFORMATION DYNAMIC GAMES WITH KNOWN CHANCE Andrei LUCHIAN [*] , Horațiu MOGA ^{**} , Razvan BOBOC [*] [*] Transilvania University, Brașov, Romania ^{**} CNIF-MFP, Brașov, Romania
5.	A STATIC CALIBRATION OF MEMS 3-AXIS ACCELEROMETER USING GENETIC ALGORITHM Marin MARINOV, Zhivo PETROV Aviation Faculty, "Vasil Levski" National Military University, Dolna Mitropolia, Bulgaria
6.	CYBER TERRORISM AND THE EFFECTS OF THE RUSSIAN ATTACKS ON DEMOCTRATIC STATES IN THE EST-EUROPEAN AREA Ovidiu MOȘOIU [*] , Ion BĂLĂCEANU ^{**} , Eduard MIHAI [*] [*] "Henri Coandă" Air Force Academy, Brașov, Romania ^{**} "Carol I" National Defence University, Bucharest, Romania
7.	ASPECTS ABOUT INTEGRATE RESPONSIVE WEBSITES FOR CYBER DEFENSE STRATEGIES - BOOTSTRAP VERSUS W3.CSS Livia SANGEORZAN [*] , Nicoleta ENACHE-DAVID [*] , Claudia-Georgeta CARSTEA ^{**} , Denisa-Iulia CATANA [*] [*] Transilvania University, Braşov, Romania "Henri Coandă" Air Force Academy, Braşov, Romania
8.	COMPUTATIONAL AND EXPERIMENTAL DESIGN OF A FIXED WING Laura – Alexandra STĂNESCU [*] , Constantin – Alexandru MATEI ^{**} [*] "Politehnica" University, Bucharest, Romania ^{**} "Alexandru Ioan Cuza" Police Academy, Bucharest, Romania
9.	NEW THREATS TO NATIONAL SECURITY OF STATES - CYBER THREAT Daniel-Cornel STEFĂNESCU [*] , Alina PAPOI ^{**} *"Henri Coandă" Air Force Academy, Brasov, Romania **Romanian Defence Staff, Ministry of National Defense, Bucharest, Romania
10.	COMPARATIVE REVIEW OF THE LEGAL STATUS OF CADETS AND STUDENTS IN BULGARIAN HIGHER EDUCATION INSTITUTIONS Yosif YOSIFOV, Nikolay ZHECHEV, Alexander KUMANOV Artillery Air Defense and CIS Faculty, "Vasil Levski" National Military University, Shoumen, Bulgaria

3. Fundamental Sciences & Engineering



3. Fundamental Sciences & Engineering

Conference ROOM E45

Chairmen:

Ruxandra Mihaela BOTEZ

École de Technologie Supérieure in Montréal, Canada

Constantin ROTARU

"Henri Coandă" Air Force Academy, Brasov, Romania

Panel coordinator:

Constantin ROTARU "Henri Coandă" Air Force Academy, Braşov, Romania

Invited Paper:

EXPERIMENTS ON A MORPHING WING MODEL FOR A FULL-SCALED PORTION OF A REAL WING Ruxandra Mihaela BOTEZ

École de Technologie Supérieure in Montréal, Canada

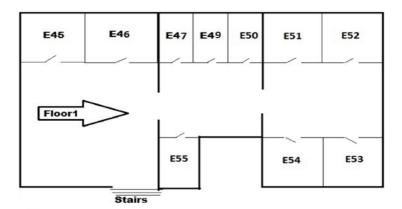
1.	<i>FLOW CONTROL INVESTIGATION USING THE COANDA</i> <i>EFFECT ON AIRFOILS</i> Alexandru DUMITRACHE [*] , Florin FRUNZULICA ^{**} , Horia DUMITRESCU [*] Tudor IONESCU ^{**} [*] Institute of Mathematical Statistics and Applied Mathematics, Bucharest, Romania ^{***} "Politehnica" University, Bucharest, Romania
2.	TRACKING MANEUVERING TARGET WITH KALMAN FILTER AND INTERACTIVE MULTIPLE MODEL Deyan ATANASOV Artillery Air Defense and CIS Faculty, "Vasil Levski" National Military University, Shoumen, Bulgaria

3.	CANARD UAV IMPROVEMENT USING VECTORED THRUST Liviu DINCA, Jenica-Ileana CORCAU, Dionis CUMPAN University of Craiova, Romania
4.	ASPECT REGARDING THE CHOICE OF AN AIR OR GROUND AMBULANCE FOR THE PROVISION OF EMERGENCY MEDICAL CARE ON THE TERRITORY OF THE REPUBLIC OF BULGARIA Ivan IVANOV, Yulian STANCHEV Aviation Faculty, "Vasil Levski" National Military University, Dolna Mitropolia, Bulgaria
5.	THE IMPORTANCE OF LIFE-CYCLE ANALYSIS IN ECONOMICANALYSIS OF ENVIRONMENTAL IMPACT OF ALTERNATIVEAIRCRAFT FUELJozsef TOTH, Bertold BEKESINational University of Public Service, Budapest, Hungary
6.	CONTROL LAW FOR AN AIRCRAFT SUPERSONIC AIR INLET WITH INTERNAL COMPRESSION Alexandru-Nicolae TUDOSIE [*] , Emanuel DUMITRU [*] , Marius-Alin ASPRA ^{**} [*] University of Craiova, Romania ^{**} S.C. Eneria S.R.L. Craiova, Romania
7.	REFLECTIONS OF ILLUSTRATED POSTCARDS IN THE PROMOTION OF ROMANIAN MINING ACTIVITIES Bogdan CIORUȚA, Mirela COMAN, Alexandru Leonard POP Technical University of Cluj-Napoca - North University Centre of Baia Mare, Romania
8.	THEORETICAL CONSIDERATIONS IN THE SELECTION OF THE OPTIONAL TECHNOLOGY FOR THE DEPPOLUTION OF A CONTAMINATED SOIL WITH LIQUID PETROLEUM PRODUCTS Mirela COMAN, Bogdan CIORUȚA Technical University of Cluj-Napoca - North University Centre of Baia Mare, Romania
9.	ON THE USE OF SUPER CAPACITORS FOR ELECTRIC MOTORS POWER SUPPLY Constantin Daniel OANCEA [*] , Sabin CODREA ^{**} , Adrian-Mihai ALEXEI ^{**} , Marin DUMITRU ^{**} , Daniel ŞUTEU ^{**} [*] Politehnica University, Bucharest, Romania ^{**} Military Equipment and Technologies Research Agency, Bucharest, Romania

10.	DESIGN FOR ADDITIVE MANUFACTURING WITH CASE STUDIES ON AIRCRAFTS AND PROPULSION SYSTEMS Özgür POYRAZ [*] , Melih Cemal KUŞHAN ^{**} [*] TEI, Tusaş Engine Industries, , Eskişehir, Turkey ^{**} Eskişehir Osmangazi University, Eskişehir, Turkey
11.	A HYBRID PROPULSION SYSTEM FOR UAS Dragoș Daniel ISVORANU, Petrișor-Valentin PÂRVU, Octavian GRIGORE "Politehnica" University, Bucharest, Romania
12.	NUMERICAL MODELING OF ACOUSTIC WAVE PROPAGATION IN UNLIMITED SPACE Alina-Elena ADETU [*] , Cătălin ADETU ^{**} , Vasile NĂSTĂSESCU [*] [*] Military Technical Academy, Bucharest, Romania ^{**} "Politehnica" University, Bucharest, Romania
13.	CALCULATING TOOL FOR THE SPRING CONSTANT OF A SERPENTINE FLEXURE USED IN INERTIAL MEMS DEVICES Petre NEGREA, Vlad Aurelian VĂDUVESCU University of Craiova, Romania
14.	METHOD OF CONTROL OF AIRCRAFT CENTER OF GRAVITY BASED ON THE FUEL CONSUMPTION ORDER Alexandru-Nicolae TUDOSIE, Petre NEGREA, Vlad Aurelian VĂDUVESCU University of Craiova, Romania
15.	<i>EMERGING TRENDS IN THE MANAGEMENT OF</i> <i>TECHNOLOGY AND INNOVATION- THE INTEGRATION OF</i> <i>DYNAMIC CAPABILITIES</i> Mircea BOŞCOIANU[*] , Elena- Corina BOŞCOIANU ^{**} * "Henri Coandă" Air Force Academy, Brașov, Romania **National Institute for Aerospace Research "Elie Carafoli", Bucharest, Romania
16.	SAFETY MANAGEMENT- UNDERSTANDING RESILIENCE ENGINEERING IN AVIATION BY OPTION THINKING Mircea BOŞCOIANU [*] , Elena- Corina BOŞCOIANU ^{**} [*] "Henri Coandă" Air Force Academy, Brașov, Romania ^{**} National Institute for Aerospace Research "Elie Carafoli", Bucharest, Romania
17.	AERODYNAMIC ANALYSIS OF HELICOPTER VERTICAL TAIL Vasile PRISACARIU, Alexandru CHIRILĂ "Henri Coandă" Air Force Academy, Brașov, Romania

18.	INFLUENCE OF AUTOMATION OF AIRSPACE ACTIVITIES ON AIR TRAFFIC SAFETY Ionică CÎRCIU, Vasile PRISACARIU "Henri Coanda" Air Force Academy, Brașov, Romania
19.	NUMERICAL SOLUTIONS FOR COMBUSTION WAVE VELOCITY Constantin ROTARU "Henri Coandă" Air Force Academy, Brașov, Romania

4. Meteorology & Applied Climatology



4. Meteorology & Applied Climatology

Conference ROOM E53

Chairman:

Sorin CHEVAL

"Henri Coandă" Air Force Academy, Brașov, Romania

Panel coordinator:

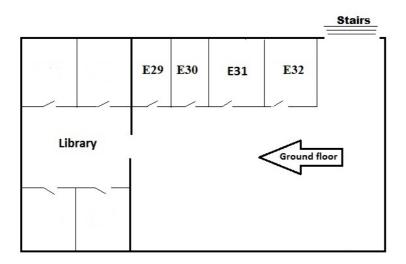
Sorin CHEVAL

"Henri Coandă" Air Force Academy, Brașov, Romania

1.	MARS A NEW STATE –OF - THE - ART FACILITY FOR ATMOSPHERIC AND ENVIRONMENTAL RESEARCHES Simona ANDREI, Bogdan ANTONESCU, Doina NICOLAE National Institute of R&D for Optoelectronics INOE 2000, Magurele, Romania
2.	GROSSWETTERLAGEN ANALYSED WITH CM SAF DATA Michael ZAK Department of Atmospheric Physics, Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic
3.	<i>THE THREAT OF TORNADOES IN ROMANIA</i> Bogdan ANTONESCU National Institute of R&D for Optoelectronics INOE 2000, Magurele, Romania

4.	ASSESSING THE CHEMICAL COMPOSITION OF PRECIPITATION OVER THE EUROPEAN CONTINENT DURING THE LAST TWO DECADES Ágnes KERESZTESI [*] , Róbert SZÉP [*] , Marius-Victor BIRSAN ^{**} , Ion-Andrei NITA ^{**} , Zsolt BODOR ^{****} [*] University of Pécs, Faculty of Natural Sciences, Pécs, Hungary. ^{**} National Meteorological Administration, Bucharest, Romania. ^{**} Sapientia Hungarian University of Transylvania, Faculty of Economics, Miercurea Ciuc, Romania
5.	ASSESSMENT OF IAȘI URBAN HEAT ISLAND USING GROUND MEASUREMENTS AND SATELLITE IMAGES Lucian SFÎCĂ*, Pavel ICHIM*, Andrei NIȚĂ*, Paul MACARO**, Adrian URSU*, Vlăduț-Iulian MITOC* [*] Faculty of Geography and Geology, "Alexandru Ioan Cuza" University, Iași, Romania ^{**} "Gheorghe Asachi" Technical University, Iași, Romania
6.	THE THERMAL PERCEPTION OF MILITARY STUDENTS IN AN URBAN ENVIRONMENT Sorin CHEVAL [*] , Alexandru DUMITRESCU ^{**} , Petrisor DOBRE ^{***} [*] "Henri Coanda" Air Force Academy, Brasov, Romania ^{**} National Meteorological Administration, Bucharest, Romania ^{***} Research Institute of the University of Bucharest, Romania

5. Operational Medicine



5. Operational Medicine

Conference ROOM E32

Chairman:

Cătălin Gabriel SMARANDACHE

"Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania

Panel coordinators:

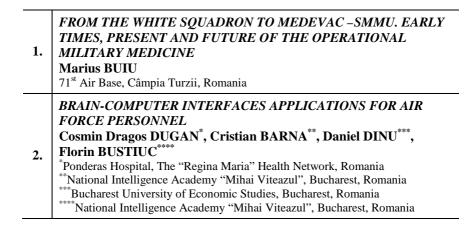
Alexandru KERESZTES

"Regina Maria" Emergency Military Hospital Braşov, Romania,

commander

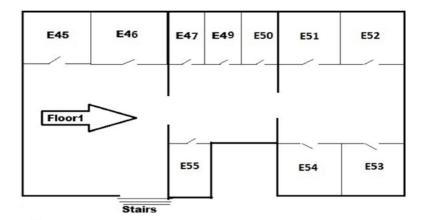
Mihaela OANCEA

"Henri Coandă" Air Force Academy, Brașov, Romania



3.	PENETRATING CRANIO-CEREBRAL INJURIES – NEWS AND PERSPECTIVES - CASE PRESENTATION Cristian NĂSTASE [*] , Michal MARINESCU [*] , Cristian POPESCU [*] , Horatiu MANOLE ^{**} *Department of Neurosurgery, "Dr. Carol Davila" Clinical Central Military Emergency Hospital, Bucharest, Romania ** Department of Ophthalmology, "Dr. Carol Davila" Clinical Central Military Emergency Hospital, Bucharest
4.	SURGICAL STABILIZATION IN THE CHEST WALL PATHOLOGY -OUR EXPERIENCE- Claudiu NISTOR, Dragoş MARIN,. George GOGOLAN, Daniel PANTILE, Adrian CIUCHE Department of Thoracic Surgery, "Dr. Carol Davila" Central Military Emergency University Hospital, Bucharest, Romania
5.	MANAGEMENTANDTREATMENTPARTICULARITIESOFPOSTTRAUMATIC STRESS DISORDERBogdan MirceaPETRESCU, Daniel VASILE,. Octavian VASILIU,Andrei MANGALAGIU, Cristian CANDEADepartment of Psychiatry , University Military Emergency Hospital "Dr. CarolDavila", Bucharest, Romania
6.	AEROMEDICAL EVACUATION IN A MARITIME WAR ZONE Adrian POPENȚIU [*] , Doru MOGA [*] , Elena STOIAN [*] , Vanina SABĂU [*] , Alexandru SABĂU ^{**} , Cătălin Gabriel SMARANDACHE ^{***} , Dan SABĂU ^{**} [*] Department of Surgery / Operational Medicine Service, "Dr. Alexandru Augustin" Emergency Military Hospital Sibiu, Romania ^{***} Second Surgical Clinic, "Victor Papilian" Faculty of Medicine, Sibiu, Romania ^{****} "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania
7.	THE TREND EVOLUTION IN MILITARY HEALTH – A RETROSPECTIVE STUDY IN A MILITARY POPULATION Radu TĂTAR, Andreea VARGA, Dorina PETRA University of Medicine and Pharmacy of Tirgu Mures, Romania

6. Operational Requirements for Aerial Drones Used in Integrated Air Space (Workshop)



6. Operational Requirements for Aerial Drones Used in Integrated Air Space (Workshop)

Conference ROOM E54

Chairman:

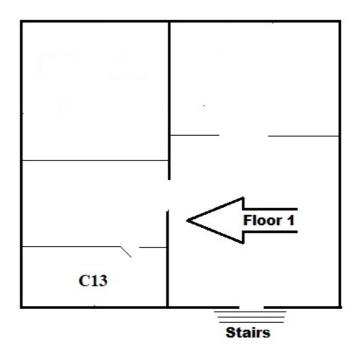
Sorin BĂLĂŞESCU

42nd Center of Communications and Informatics, Râșnov, Romania

Panel coordinator: Vasile PRISACARIU "Henri Coandă" Air Force Academy, Brașov, Romania

		08.00 - 16.00
May 31,	Lectures and debates	"Henri Coandă" Air Force
2019 Friday	Static drone dispaly	Academy
		E 54 room
June 1, 2019	Static drone dispaly	10.00 - 11.30
Saturday	Demo drone flights	Ghimbav Airfield
June 2, 2019	Static drone dispaly	10.00 - 17.30
Sunday	Demo drone flights	Ghimbav Airfield

7. Romanian Military Thinking (Round Table)



7. Romanian Military Thinking (Round Table)

Conference ROOM C13

Chairman:

Lieutenant General Laurian ANASTASOF

Deputy of General Staff

Panel coordinator:

Brigadier General (AF) Gabriel RĂDUCANU

"Henri Coandă" Air Force Academy, Brașov, Romania

Topics:

1.	The opportunity of organizing the conference entitled "National Security & Defence – Challenges and Trends" by the General; Staff, in the context of celebrating 155 years of "Romanian Military Thinking".
2.	Purpose of the conference and definition of objectives.

	Panels and coordinating institutions:
	Proposal:
3.	 Theory and Military Art, coordinated by Operations Directorate and Strategic Planning Directorate (General Staff), in collaboration with "Carol I" National Defense University and "Nicolae Balcescu" Land Forces Academy; Intelligence and Security, coordinated by the Military Intelligence Directorate and Communications and Informatics Systems Headquarter, in collaboration with the Center for Strategic Studies / "Carol I" National Defense University and "Henri Coanda" Air Force Academy; Modernization of the Military Organization, coordinated by the Personnel and Mobilization Directorate, Structures and Supply Planning Directorate and Logistic Directorate, in collaboration with Strategic Studies Center / "Carol I" National Defense University and "Mircea cel Batran" Naval Academy; Military History/ Military Doctrines, coordinated by Training and Doctrines Directorate, in collaboration with the Military Archives.
4.	Period, venue, and institutions' responsibilities.

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