

CONFERENCE GUIDE

“HENRI COANDĂ”
AIR FORCE ACADEMY



ROMANIA

“GENERAL M
ARMED FOR



SLOVAK

STUDENTS' INTERNATIONAL CO

AFASTUD 201

18th Edition



MILITARY STUDENTS'
ASSOCIATION BRASOV



“HEI
ASSOCIATI
AND

April 7-9, 2016
Brasov, ROMANIA

CONFERENCE GUIDE

“HENRI COANDĂ”
AIR FORCE ACADEMY



ROMANIA

“GENERAL M.R. STEFANIK”
ARMED FORCES ACADEMY



SLOVAK REPUBLIC

STUDENTS' INTERNATIONAL CONFERENCE

AFASTUD 2016

18th Edition



MILITARY STUDENTS'
ASSOCIATION BRASOV



“HENRI COANDĂ”
ASSOCIATION FOR RESEARCH
AND EDUCATION

April 7-9, 2016
Brasov, ROMANIA

Conference Agenda

THURSDAY, April 07, 2016

1600 hrs - 2200 hrs	Arrival of delegations/ „Henri Coandă” Air Force Academy
1900 hrs - 2400 hrs	Ice breaker / Students’ Club (all participants are invited/dress code: smart casual)

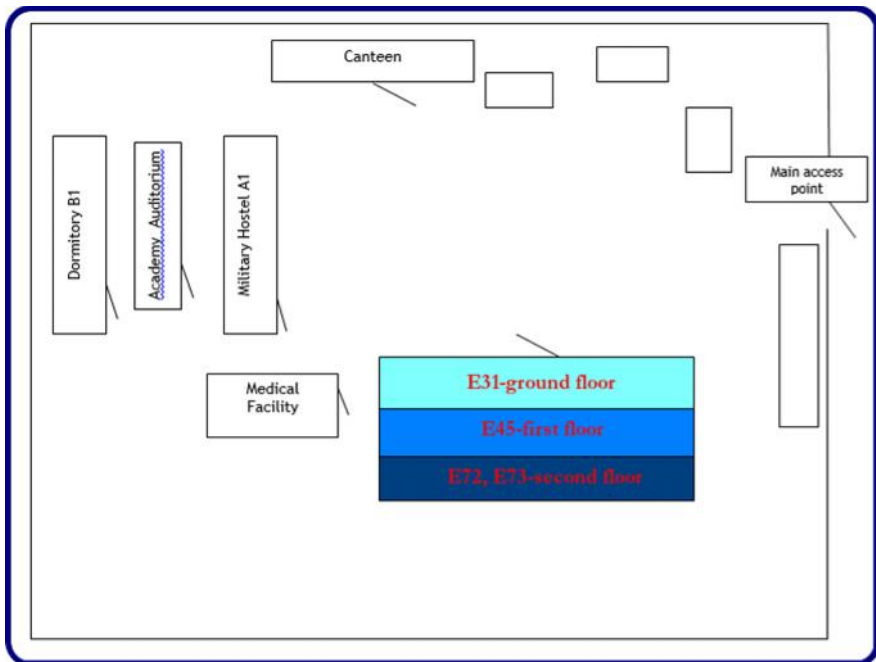
FRIDAY, April 08, 2016

0700 hrs - 0800 hrs	Breakfast (<i>Canteen</i>)				
0800 hrs - 0900 hrs	Welcoming and registration (<i>antechamber of Academy Auditorium</i>)				
0900 hrs - 1000 hrs	Official Opening of the International Conference “Communicating Across Cultures” AFASTUD’ 16 (<i>Academy Auditorium</i>)				
1000 hrs - 1015 hrs	Photo Session (<i>In front of Bdg A1</i>)				
1030 hrs - 1330 hrs	Panels (I)	Weapons & Defence technology <i>E - 31</i>	Fundamental sciences & Engineering <i>E - 45</i>	Humanities. Social sciences. Cultural studies <i>E - 72</i>	Military sciences & Management <i>E - 73</i>
1330 hrs - 1430 hrs	Lunch/ Students’ Dining Facility (<i>Canteen</i>)				
1430 hrs - 1600 hrs	Panels (II)	Weapons & Defence technology <i>E - 31</i>	Fundamental sciences & Engineering <i>E - 45</i>	Humanities. Social sciences. Cultural studies <i>E - 72</i>	Military sciences & Management <i>E - 73</i>
1700 hrs - 1800 hrs	Closing of the International Conference “Communicating Across Cultures” AFASTUD’ 16”/ “Henri Coandă” Air Force Academy’s (<i>Academy Auditorium</i>)				
1900 hrs - 0200 hrs	Students’ Evening / Students’ Dining Facility				

SATURDAY, April 09, 2016

0800 hrs - 0900 hrs	Breakfast (<i>Canteen</i>)
0930 hrs - 1400 hrs	Leisure activities - Visiting and sightseeing
1400 hrs - 1500 hrs	Lunch/ Students' Dining Facility (<i>Canteen</i>)
1500 hrs	Departure of delegations

Map of Conference Location



Organizing Committee

Lt.Col. Assoc Prof Eng. Laurian **GHERMAN**, PhD

Lt Cosmin **TĂTULESCU**

Student Jaroslav **BERACZKO**

Student Daniel **BULAI**

Student Ioana **GEANĂ**

Student Ionuț **MOROIU**

Student Felix **ONOFREI**

Student Lorena **BAHNARU**

Student Matei **DUMITRU**

Student Emanuela **OBLEZNIUC**

Student Alexandru **ALMĂȘAN**

Student Cristian **ANDREI**

Student Oana **TIVADAR**

Student Marius **POPA**

Student Vlad-Andrei **SKOWRONSKI**

Student Marian **STAN**

Student Iulia-Maria **DANCIU**

Student Bogdan **CRĂCIUN**

Student Maria-Narcisa **CIOTINĂ**

Student Cătălin **CIOBANU**

Student Ștefan-Iustin **MIHAI**

Student Alexandru **BRATU**

Student Răzvan-Cristian **ROȘU**

Student Flavius-Nicolae **BRICIU**

Student Maria-Cătălina **MUNTEANU**

Student Mircea-Mihai **DAMIAN**

Student Petru-Marius **DĂNILĂ**

Student Marius **CHIFIRIUC**

Student Sebastian-Marian **TRANDAF**

Student Alexandru-Cristian **NICULAE**

Student Nicolae **CRAINICIUC**

Student Nicolae-Daniel **FĂRCAȘ**

Lt.Col. Cristian **ENE**

Assoc Prof Daniela **BELU**, PhD

Cpt Laura-Maria **SABOSLAI-FOTIN**

WO Sergiu **OBREJA**

Eng Mariana **GHINDĂOANU**

Eng Daniela **OBREJA**

WO Marian **MIHALACHE**

WO Călin **DOBREAN**

WO Marius **TĂNASE**

WO Marius **CODREANU**

Col Dumitru **DINU**

Lt.Col. Ionel **FEROIU**

NCO Marius **VOROVENCI**

Moderators

Military Sciences & Management

Maj Lect Cătălin **CIOACĂ**, PhD

Student Ioana **GEANĂ**

Student Ionuț **MOROIU**

Humanities. Social Sciences. Cultural Studies

Lect Daniela **NAGY**, PhD

Student Felix **ONOFREI**

Student Lorena **BAHNARU**

Fundamental Sciences & Engineering

Lt.Col. Dănuț **BĂLOS**

Student Matei **DUMITRU**

Student Emanuela **OBLEZNIUC**

Weapons & Defense Technology

Lt.Col. Cristian **ENE**

Student Alexandru **ALMĂȘAN**

Student Cristian **ANDREI**

Scientific Committee

Lt.Col. Assoc Prof Eng. Laurian **GHERMAN**, PhD

„Henri Coandă” Air Force Academy, Brasov

Professor Milan **SOPOCI**, PhD

Armed Forces Academy of General Milan Rastislav Stefanik, Slovakia

Lt.Col. Assoc Prof Eng. Ionică **CÎRCIU**, PhD

„Henri Coandă” Air Force Academy, Brasov

Lt.Col. Assoc Prof Adrian **LESENCIUC**, PhD

„Henri Coandă” Air Force Academy, Brasov

Lt.Col. Dănuț **BĂLOS**

„Henri Coandă” Air Force Academy, Brasov

Lt.Col. Marian **OANA**

„Henri Coandă” Air Force Academy, Brasov

Maj Assistant Prof Cosmin **IVANCIU**

„Henri Coandă” Air Force Academy, Brasov

Maj Lect Cătălin **CIOACĂ**, PhD

„Henri Coandă” Air Force Academy, Brasov

Proffesor Traian **ANASTASIEI**, PhD

„Henri Coandă” Air Force Academy, Brasov

Proffesor Eng. Constantin **ROTARU**, PhD

„Henri Coandă” Air Force Academy, Brasov

Assistant Prof Eng. Constantin **STRÎMBU**, PhD

„Henri Coandă” Air Force Academy, Brasov

Assoc Prof Diana **ILIȘOI**, PhD

„Henri Coandă” Air Force Academy, Brasov

Assistant Prof Cristian **CONSTANTINESCU**, PhD

„Henri Coandă” Air Force Academy, Brasov

Lect Daniela **NAGY**, PhD

„Henri Coandă” Air Force Academy, Brasov

Assistant Prof Eng. Vasile **PRISACARIU**, PhD

„Henri Coandă” Air Force Academy, Brasov

Assistant Prof Eng. Liliana **MIRON**, PhD

„Henri Coandă” Air Force Academy, Brasov

The Conference' Panels

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Humanities. Social Sciences. Cultural Studies	13
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Weapons & Defense Technology	21

Military Sciences & Management

Conference ROOM **E73**

Moderators:

Maj lect. Cătălin **CIOACĂ**, PhD

„Henri Coandă” Air Force Academy, Brasov

Student Ioana **GEANĂ**

Student Ionuț **MOROIU**

„Henri Coandă” Air Force Academy, Brasov

-
1. SINGLE EUROPEAN SKY. DANUBE FAB
ANGHEL CĂTĂLIN-ANDREI
“Henri Coandă” Air Force Academy, Brasov, Romania

 2. BETWEEN THE CLASSIC WAR AND THE MODERN WARFARE
BERACZKO ALEXANDRU-JAROSLAV-STEFAN
“Henri Coandă” Air Force Academy, Brasov, Romania

 3. F-16, CHALLENGE FOR ROMANIA
BÎCÎIN TATIANA
“Henri Coandă” Air Force Academy, Brasov, Romania

 4. THE INFLUENCE OF EVALUATION PARAMETERS ON THE PERFORMANCE CRITERIA OF MULTISENSOR OPTOELECTRONIC EQUIPMENT
BRICIU FLAVIUS-NICOLAE
“Henri Coandă” Air Force Academy, Brasov, Romania

 5. MANAGERIAL SOLUTIONS FOR VOYAGE COSTS, WITHIN SHIPPING COMPANIES
BRINZA CATALINA-MARIA
“Mircea cel Batran” Naval Academy, Constanta, Romania

 6. STRATEGIC ART IN ROMANIAN TRANSFORMATION
BUMBARA VASILICĂ
“Henri Coandă” Air Force Academy, Brasov, Romania
-

7.	THE BASIC ASPECTS OF MODERN PSYCHOLOGICAL OPERATIONS (PSYOPS) CHIRODEA SERGIU PĂUNICĂ RUXANDRA CHIRIAC MĂDĂLINA <i>"Carol I" National Defense University, Bucharest, Romania</i>
8.	THE CURRENT STRATEGIC AND GEOPOLITICAL CONTEXT. THREATS TO WORLD STATES DĂNILĂ ANDREEA TRANDAF SEBASTIAN <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i>
9.	THE COMMON SECURITY AND DEFENCE POLICY GENERAL VIEW ON ITS ROLE AND STRUCTURE ENACHE IONUT-SEBASTIAN <i>"Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania</i>
10.	GENERAL ASPECTS REGARDING INFORMATION WARFARE FEISAN ANDREI-IOAN <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i>
11.	SEARCH AND RESCUE SERVICE GRĂDINARU CONSTANTIN-COSMIN <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i>
12.	IMPLICATIONS OF THE C2 PROCESS DURING MILITARY OPERATIONS - BC2A CASE STUDY GRIGORAȘ ALEXANDRA <i>"Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania</i>
13.	IN SEARCH OF INTELLIGENCE ETHICS LAZAR TIBERIU <i>"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania</i>
14.	FLYING TRAINING SYSTEM FOR CADETS IN POLISH AIR FORCE ACADEMY - CHANGES AND EXPECTATIONS MIESZKOWSKI MACIEJ OLECH MARCIN <i>Polish Air Force Academy</i>
15.	CIVIL-MILITARY INTEROPERABILITY IN AIR TRAFFIC MANAGEMENT MIHAI LIVIA <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i>

-
- 16. PURSUIT AVIATION TACTICS**
MILEA SORIN VALENTIN
“Henri Coandă“ Air Force Academy, Brasov, Romania
-
- 17. HUMAN FACTORS INFLUENCING AVIATION SAFETY**
MOCANU CĂTĂLIN
“Henri Coandă“ Air Force Academy, Brasov, Romania
-
- 18. NETWORK CENTRIC WARFARE**
NETE FLORIN
“Henri Coandă“ Air Force Academy, Brasov, Romania
-
- 19. 21ST CENTURY- DIMENSION OF CYBER ATTACKS AND CYBER WARS**
POSTOLACHE DIANA-ELENA
“Henri Coandă“ Air Force Academy, Brasov, Romania
-
- 20. THE GEOGRAPHY OF POWER: RELATIONS BETWEEN RUSSIA AND GERMANY IN TODAY’S BROADER INTERNATIONAL CONTEXT**
PUIE OANA
ȘERBAN ANDREEA
“Mihai Viteazul” National Intelligence Academy, Bucharest, Romania
-
- 21. MILITARY CONCEPTS AND METHODS - DOCTRINE**
SLOTEA MARIAN
ROBU RAZVAN-ANDREI
“Mircea cel Batran” Naval Academy, Constanta, Romania
-
- 22. CONSIDERATIONS REGARDING TACTICAL EVACUATION CARE**
STAIKU IULIA-MADALINA
Military Medical Institute Bucharest, Târgu Mures, Romania
-
- 23. NEW INFORMATIONAL CHALLENGES CONFRONTING THE 20TH CENTURY ARMIES**
STANCIU BOGDAN
“Henri Coandă“ Air Force Academy, Brasov, Romania
-
- 24. PASSENGER CONTROL AND ONBOARD BOMB ATTACK OPPORTUNITIES FOR IMPROVING AIR SAFETY**
SZABÓ VIVIEN
National University of Public Service, Military Science and Officer Training Faculty, Szolnok, Hungary
-
- 25. MILITARY CONTRIBUTION OF CARL VON CLAUSEWITZ AND HIS IMPACT ON STRATEGY**
UNGUREANU CATALIN
“Henri Coandă“ Air Force Academy, Brasov, Romania
-

26. THE ISLAMIC STATE: GROWTH, RESOURCES AND
MANAGEMENT
VIDESCU MIHAI
“Mihai Viteazul” National Intelligence Academy, Bucharest, Romania

Humanities. Social Sciences.

Cultural Studies

Conference ROOM **E72**

Moderators:

Lecturer Daniela **NAGY** , PhD

„Henri Coandă” Air Force Academy, Brasov

Student Felix **ONOFREI**

Student Lorena **BAHNARU**

„Henri Coandă” Air Force Academy, Brasov

-
1. ASPECTS REGARDING LAWS OF WAR APPLIED IN THE GULF WAR
ANDREI CRISTIAN
“Henri Coandă” Air Force Academy, Brasov, Romania
-
2. COMMANDER PSYCHOLOGY IN MILITARY ACTIONS
ANDREI RADU-TIBERIU
“Henri Coandă” Air Force Academy, Brasov, Romania
-
3. SLAVERY
BURCEA MARIAN-COSMIN
CHIFAN RALUCA-IOANA
“Mihai Viteazul” National Intelligence Academy, Bucharest, Romania
-
4. ADMIRAL LORD HORATIO NELSON: “ENGLAND EXPECTS THAT EVERY MAN WILL DO HIS DUTY.”
CÎRJĂ STEFAN
IACOB ALEXANDRU-CORVIN
“Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania
-
5. THE ART OF TEACHING: ENGAGING STUDENTS IN ACTIVE LEARNING
CHIRODEA SERGIU
TURTURICA ALEXANDRU
CARAIVAN ALIN
“Carol I” National Defense University, Bucharest, Romania
-

-
6. **THE HUMAN FACTOR IN AIR TRAFFIC CONTROL ACTIVITY**
COSTÎN ANDREI
"Henri Coandă" Air Force Academy, Brasov, Romania
-
7. **ISIS: ONLINE PROPAGANDA AND RECRUITING TECHNIQUES**
CUCU NICOLAE-BOGDAN
"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania
-
8. **HYBRID WARFARE OR, WORD AND IMAGE WAR**
DINU COSMINA-MIHAELA
"Henri Coandă" Air Force Academy, Brasov, Romania
-
9. **SOVIET UNION'S REASONS BEHIND THE SUPPORT FOR ASSAD DURING THE CIVIL WAR IN SYRIA**
DUMITRU ANA-SIMONA
"Henri Coandă" Air Force Academy, Brasov, Romania
-
10. **OPTIMISM IN DAILY LIFE**
GRUIA DIANA-GABRIELA
MUNTEANU ANDREEA-MIHAELA
"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania
-
11. **TERRORISM. A REAL PROBLEM**
IRIMIA ALEX-GEORGE
"Mircea cel Batran" Naval Academy, Constanta, Romania
-
12. **STUDY REGARDING THE PERCEPTION OF THE MILITARY STUDENTS FROM THE A.F.A. AND THE L.F.A. OF THE GENDER RELATED STEREOTYPES**
MĂRCULEȘTEANU GABRIEL-IONEL
BINDIU ALINA-IOANA
"Henri Coandă" Air Force Academy, Brasov, Romania
"Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania
-
13. **HORATIO NELSON**
MINTAR MIHAIL-MIREL
"Mircea cel Batran" Naval Academy, Constanta, Romania
-
14. **THE MARI AND THE MARI EL REPUBLIC: ETHOS OF THE INDIGENOUS**
MITRAN ILIE
RUS MIHAELA
SANDU MIHAELA
Ovidius University of Constanta, Romania
-

-
- ROMANAȚI - REDISCOVERING THE PHILANTHROPIC WORK AND OLD DWELLINGS OF OLENIA'S BELOVED BOYARS
15. **MITRAN ILIE**
RUS MIHAELA
SANDU MIHAELA
Ovidius University of Constanta, Romania
-
- EFFECTIVE COMMUNICATION IN MILITARY ORGANIZATION
16. **MORTOIU EUGEN-NICOLAE**
"Henri Coandă" Air Force Academy, Brasov, Romania
-
- THE WESTERN IMAGE OF ISLAM: ANTI-ISLAMIC PROPAGANDA
17. **NECULAU CLAUDIU-EDMOND**
"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania
-
- FACTORS THAT INFLUENCE INTERCULTURAL ADJUSTMENT
18. **NIȚĂ LORENA**
"Henri Coandă" Air Force Academy, Brasov, Romania
-
- EUROPEAN POLITICAL ANTIESTABLISHMENT MOVEMENTS - AN ASCENDING TREND
19. **NICA ALEXANDRU**
"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania
-
- THE ROLE OF NONVERBAL GESTURES AS EMBLEMS USED IN THE MILITARY COMMUNICATION
20. **OBLEZNIUC EMANUELA-GABRIELA**
"Henri Coandă" Air Force Academy, Brasov, Romania
-
- INFORMATIONAL WARFARE. INTRODUCTION TO INFORMATIONAL OPERATIONS IN THE VIETNAM WAR
21. **OZOIU FLAVIAN-IONUT**
"Henri Coandă" Air Force Academy, Brasov, Romania
-
- THE EFFECTS OF MUSICAL PHENOMENA ON LIFE DIMENSIONS
22. **POPA PAUL-ALEXANDRU**
"Henri Coandă" Air Force Academy, Brasov, Romania
-
- NON-VERBAL COMMUNICATION - THE KEY TO UNDERSTANDING OTHERS AND COMMUNICATING EFFECTIVELY
23. **POPESCU VLADIMIR**
PINTILEI VALENTIN - CEZAR
"Nicolae Bălcescu" Land Forces Academy, Sibiu, Romania
-
- JUCHE PHILOSOPHY AND THE NORTH KOREAN REGIME
24. **SUCIU IOAN**
Military Technical Academy, Bucharest, Romania
-

-
- 25. THE PREVALENCE OF CURRENT PATHOLOGIES AMONG
MILITARY STUDENTS AND PROPHYLACTIC METHODS**
TANASELEA MARIA-VICTORITA
VITELARU ELENA
Military Medical Institute Bucharest, Târgu Mures, Romania
-

Fundamental Sciences & Engineering

Conference ROOM **E45**

Moderators:

Lt.col. Dănuț BĂLOS

„Henri Coandă” Air Force Academy, Brasov

Student Matei **DUMITRU**

Student Emanuela **OBLEZNIUC**

„Henri Coandă” Air Force Academy, Brasov

1.	ASPECTS REGARDING SUPERCRITICAL AIRFOIL ALEXAN DORIN-GHEORGHE <i>“Henri Coandă” Air Force Academy, Brasov, Romania</i>
2.	ASPECTS REGARDING DRAG FORCE AND SKIN FRICTION IN AVIATION ARITON ANDREI-MADALIN <i>“Henri Coandă” Air Force Academy, Brasov, Romania</i>
3.	AIRCRAFT INNOVATIVE CONCEPT BADEA ALEXANDRU <i>“Henri Coandă” Air Force Academy, Brasov, Romania</i>
4.	SIGNALS MODULATION BAHNOVEI DELIA-ADELINA <i>“Henri Coandă” Air Force Academy, Brasov, Romania</i>
5.	FLIGHT SIMULATORS AND THEIR ADVANTAGES IN AERONAUTICAL ACTIVITY CIOBANU CĂTĂLIN <i>“Henri Coandă” Air Force Academy, Brasov, Romania</i>
6.	MAP REPRESENTATION OF BAIA MARE URBAN SYSTEM SOILS POLLUTION WITH HEAVY METALS USING G.S. SURFER CIORUȚA BOGDAN-VASILE COMAN MIRELA <i>Technical University of Cluj-Napoca, Baia Mare, Romania</i>

7.	<p>ASPECTS REGARDING MESHING FOR A MULTIPHYSICS SIMULATION CONSTANTIN LUCIAN DEMSA MARIA <i>Military Technical Academy, Bucharest, Romania</i></p>
8.	<p>PRECISION LANDING SYSTEM. IMPROVEMENTS OF LANDING SYSTEM USING MICROWAVE CRACIUN BOGDAN-GABRIEL EFTIMIE GHEORGHE <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
9.	<p>THE INFLUENCE OF WING POSITION ON STATIC STABILITY CRISTEA ALEXANDRU-CORNEL <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
10.	<p>ALGORITHM FOR CALCULATING THE NUMBER OF BOMBERS NEEDED FOR DESTROYING A RUNWAY DIMITROV IVAN STEFANOV IVAN <i>"Vasil Levski" National Military University, Dolna Mitropolia, Bulgaria</i></p>
11.	<p>AIRCRAFT LATERAL-DIRECTIONAL MOTION DUMITRU IONUT-ALEXANDRU <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
12.	<p>HOT AIR BALLOONS FLONTAS CORINA <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
13.	<p>SUPERSONIC COMMERCIAL FLIGHTS GHEORGHIU RAZVAN <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
14.	<p>ASPECTS REGARDING AERODINAMICAL CHARACTERISTICS OF THE RAM-AIR PARACHUTES GHIBAN VLAD <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
15.	<p>AIRCRAFT PRESSURIZATION SYSTEMS HASEGAN CIPRIAN <i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
16.	<p>COANDA EFFECT OPTIMISATION OF A (UAV) FLYING SAUCER IACOB NICOLAIE <i>Engineering and Agronomy Faculty of Braila, „Dunărea de Jos” University, Galati, Romania</i></p>

17.	<p>OBTAINING THE EQUATION OF THE POSITION FUNCTION OF A DOUBLE-CONTOUR PLANE RETRACTION MECHANISM OF THE LANDING GEAR USING THE ANALYTICAL METHOD</p> <p>MOROIU IONUT</p> <p><i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
18.	<p>AERODYNAMICS ANALYSIS OF A HELICOPTER BLADE</p> <p>MUCEA DANUȚ-MIHAI</p> <p><i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
19.	<p>WOOD FLY ASH AS CEMENT REPLACEMENT</p> <p>MUNTEANU RUBEN</p> <p><i>Military Technical Academy, Bucharest, Romania</i></p>
20.	<p>CAPACITY ANALYSIS FOR MULTI-HOP WIMAX RELAY</p> <p>MUȘAT ALEXANDRU-LEONARD</p> <p><i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
21.	<p>AERONAUTICAL TELECOMMUNICATION SIMULATOR</p> <p>NEDEV KOSTADIN STEFANOV STEFAN</p> <p><i>"Vasil Levski" National Military University, Dolna Mitropolia, Bulgaria</i></p>
22.	<p>DEVELOPMENT AND ROLE OF SPACE SYSTEMS IN HISTORY</p> <p>NICOLAU MIHAELA-EMANUELA</p> <p><i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
23.	<p>HELICOPTER VIBRATION AND NOISE REDUCTION</p> <p>ODĂIAȘU LILIAN</p> <p><i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
24.	<p>CHARACTERISTICS OF RF RADIATION</p> <p>OZOIU FLAVIAN-IONUȚ</p> <p><i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
25.	<p>AIRCRAFT FUEL SYSTEMS</p> <p>PAUN PATRICIA-MARINA</p> <p><i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>
26.	<p>"RDM-CRYPT"-SECURED SOFTWARE AND DEVICE FOR ENCRYPTING COMMUNICATIONS</p> <p>POHONȚU ALEXANDRU</p> <p><i>"Mircea cel Batran" Naval Academy, Constanta, Romania</i></p>
27.	<p>GENERAL NOTIONS RELATED TO PHENOMENA OCCURRING IN ROCKET NOZZLES</p> <p>POTOLINCA COSMIN-MARIAN</p> <p><i>"Henri Coandă" Air Force Academy, Brasov, Romania</i></p>

28.	<p>AUTONOMOUS CONVOY SAVASTRE ALEXANDRU TOMA VLAD RADU ALEXANDRU-DANIEL <i>Military Technical Academy, Bucharest, Romania</i></p>
29.	<p>PANZERKAMPFWAGEN VI “TIGER” MODERN REPLICA SAVASTRE ALEXANDRU TOMA VLAD RADU ALEXANDRU-DANIEL <i>Military Technical Academy, Bucharest, Romania</i></p>
30.	<p>ASPECTS REGARDING THE AERODYNAMIC CHARACTERISTICS OF THE PARACHUTE SAVIN DIANA <i>“Henri Coandă” Air Force Academy, Brasov, Romania</i></p>
31.	<p>EGNOS-EUROPEAN AND ACCURATE STEFANOV IVAN DIMITROV IVAN <i>“Vasil Levski” National Military University, Dolna Mitropolia, Bulgaria</i></p>
32.	<p>SYNTHESIS OF DIGITAL SYSTEMS USING DECOMPOSITION ALGORITHMS TIMIS MIHAI VALACHI ALEXANDRU <i>Gh.Asachi Technical University Iasi, Romania, Automatic Control and Computer Engineering Faculty</i></p>

Weapons & Defense Technology

Conference ROOM **E31**

Moderators:

Lt.col. Cristian **ENE**

„Henri Coandă” Air Force Academy, Brasov

Student Alexandru **ALMĂȘAN**

Student Cristian **ANDREI**

„Henri Coandă” Air Force Academy, Brasov

COMPARATIVE ANALYSIS OF PORTABLE MISSILE SYSTEMS

1. **ALDEA GABRIEL**

“Henri Coandă” Air Force Academy, Brasov, Romania

ANTI-AIRCRAFT MISSILE SYSTEMS

2. **ANDRONE SEBASTIAN**

CIOBANU IONUT-DANIEL

“Henri Coandă” Air Force Academy, Brasov, Romania

ANTI-AIRCRAFT ARTILLERY

3. **ARNĂUTU ROBERT-GABRIEL**

“Henri Coandă” Air Force Academy, Brasov, Romania

JOINT ANTI-AIRCRAFT SYSTEM SKYGUARD-GDF 005/AHEAD-VL MICA

4. **BACHHEIMER GABRIEL**

“Henri Coandă” Air Force Academy, Brasov, Romania

PASSIVELY SELF-GUIDED MISSILE SYSTEMS

5. **BĂIA CODRUTA**

“Henri Coandă” Air Force Academy, Brasov, Romania

COMPARISON BETWEEN TWO VERY SHORT-RANGE AIR-DEFENSE MISSILES SYSTEMS CA-94 AND CA-95

6. **CHIREA ROXANA-ANDREEA**

“Henri Coandă” Air Force Academy, Brasov, Romania

OERLIKON AIR DEFENSE TECHNOLOGIES

7. **CILIBIU ADELA-NICOLETA**

SAVANIU ANDREI-MARIAN

“Henri Coandă” Air Force Academy, Brasov, Romania

-
8. **MOBILE PHONE JAMMERS**
CRĂCIUNICA ANDREEA
"Henri Coandă" Air Force Academy, Brasov, Romania
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