

# CONFERENCE GUIDE

**"Henri Coandă"**  
AIR FORCE ACADEMY



ROMANIA

**"General M. R. Stefanik"**  
ARMED FORCES ACADEMY



SLOVAK REPUBLIC

# AFASTUD 2018

THE 20<sup>th</sup> STUDENTS' INTERNATIONAL  
CONFERENCE

*Communicating Across Cultures*



**March 29 - 31, 2018**  
**Brasov, Romania**



# Conference Agenda

**THURSDAY, March 29, 2018**

16.00 hrs - 22.00 hrs	Arrival of delegations/ „Henri Coanda” Air Force Academy
19.00 hrs - 24.00 hrs	Ice breaker / <i>Canteen</i> (all participants are invited/dress code: smart casual)

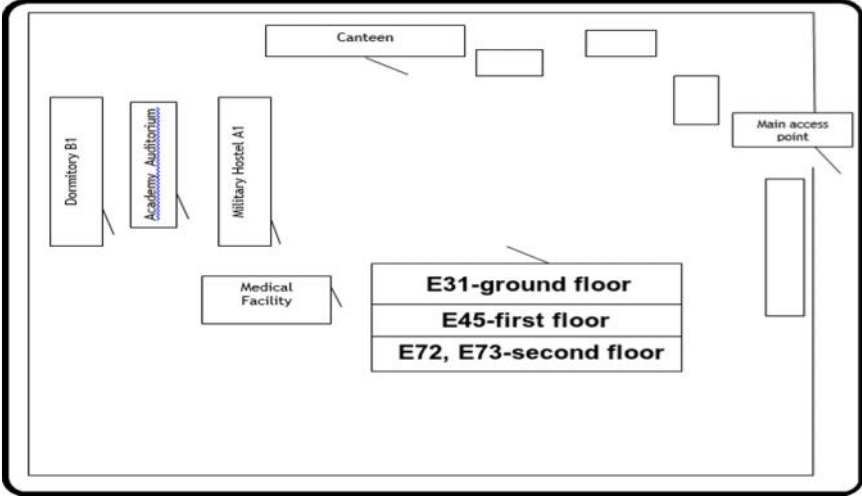
**FRIDAY, March 30, 2018**

07.00 hrs - 08.00 hrs	Breakfast ( <i>Canteen</i> )				
07.45 hrs - 08.00 hrs	Welcoming and registration ( <i>antechamber of Academy Auditorium</i> )				
08.00 hrs - 09.00 hrs	Official Opening of the International Conference “Communicating Across Cultures” AFASTUD’18 ( <i>Academy Auditorium</i> )				
09.00 hrs - 09.15 hrs	Photo Session ( <i>In front of Bdg A1</i> )				
09.30 hrs - 13.30 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> <i>E - 78</i>	Military sciences & Management  <i>E - 73</i>
13.30 hrs - 14.30 hrs	Lunch/ Students’ Dining Facility ( <i>Canteen</i> )				
14.30 hrs - 16.00 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> <i>E - 78</i>	Military sciences & Management  <i>E - 73</i>
17.00 hrs - 18.00 hrs	Closing of the International Conference “Communicating Across Cultures” AFASTUD’18”/ “Henri Coanda” Air Force Academy’s ( <i>Academy Auditorium</i> )				
19.00 hrs - 02.00 hrs	Students’ Official Dinner (Officers’ Club)				

**SATURDAY, March 31, 2018**

09.00 hrs - 10.00 hrs	Breakfast ( <i>Canteen</i> )
10.00 hrs - 14.00 hrs	Brasov sightseeing tour
14.00 hrs - 15.00 hrs	Lunch/ Students’ Dining Facility ( <i>Canteen</i> )
15.00 hrs	Departure of delegations

# Map of Conference Location



# Organizing Committee

Col. Vasile ȘANDRU, PhD

Student Flavius Nicolae BRICIU

Student Florin JERCAN

Student Andreea MIHAI

Student Vlad EPURE

Student Liviu BURLICA

Student Răzvan ROȘU

Student Luca VITEZ

Student Răzvan TĂRĂȚĂ

Student Dana IFRIM

Student Marius ROȘU

Student Andrei NEGURĂ

Student Ștefan CHICUȘ

Student Adrian DUCU

Student Anda NAN

Student Nicolae RUSU

Student Vasile ȘOLDĂNESCU

Student Eduard COVESNICIUC

Student Vasile ȘTEFAN

Student Florin CURTA

Student Anca MORARU

Student Adina ȘARAMET

Student Gabriel GOBEAJĂ

Student Răzvan ROȘEȚ

Student Răzvan VOICU

Student Răzvan **DIACONU**  
Student Claudiu **BÎRCĂ**  
Student Maria **TUDOR**  
Student Ana **TĂNASE**  
Student Bianca **BARSTAN**  
Student Iulia **ANIȘCA**  
Student Monica **HOINARU**  
Student Mădălina **RUSESCU**  
Student Alexandru **MARIN**  
Student Emanuel **SUCIU**  
LTC Cristian **ENE**  
LTC Marian **OANA**  
LTC Dănuț **BĂLOS**  
Maj. Liviu **GĂINĂ**  
WO Sergiu **OBREJA**  
Eng Mariana **GHINDĂOANU**  
Eng Daniela **OBREJA**  
Inf Adina **DOBRIȚOIU**  
OR Mihăiță **POPA**  
WO Călin **DOBREAN**  
WO Marius **TĂNASE**

# Moderators

## **1. MILITARY SCIENCES & TECHNOLOGY**

### 1.1 Military Sciences & Management

LTC Bogdan **CHIOSEAU**, PhD  
Student Răzvan **VOICU**

### 1.2. Weapons & Defense Technology

LTC Daniel **ȘTEFĂNESCU**  
Student Anda **NAN**

## **2. FUNDAMENTAL SCIENCES & CULTURAL STUDIES**

### 2.1 Humanities. Social Sciences. Cultural Studies

Lect Daniela **NAGY**, PhD  
Assistant Professor Ramona **HÂRȘAN**, PhD

Student Adina **ȘARAMET**  
Student Vlad **EPURE**

### 2.2 Fundamental Sciences & Engineering

Assist. Prof. George-Cristian **CONSTANTINESCU**, PhD  
Student Dana **IFRIM**

# Scientific Committee

Lt.Col. Assoc.Prof. Eng. Laurian **GHERMAN**, PhD  
„Henri Coandă” Air Force Academy, Romania

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Associate Professor Eng. Marcel **HARAKAL**, PhD  
Armed Forces Academy of General Milan Rastislav Štefánik, Slovakia

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Associate Professor **Mária PETRUFOVÁ**, PhD  
Armed Forces Academy of General Milan Rastislav Štefánik, Slovakia

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Col. Assoc.Prof. Eng. **Dilyan DIMITROV** PhD  
“Vasil Levski” National Military University, Bulgaria

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Maj. Cosmina-Oana **ROMAN**, PhD  
„Henri Coandă” Air Force Academy, Romania

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Col. Vasile **ȘANDRU**, PhD  
„Henri Coandă” Air Force Academy, Romania

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Associate Professor Daniela **BELU**, PhD  
„Henri Coandă” Air Force Academy, Romania

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Assistant Professor Eng. George-Cristian **CONSTANTINESCU**, PhD  
„Henri Coandă” Air Force Academy, Romania

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Maj Assistant Professor Eng. Cornel **ARAMĂ**, PhD  
„Henri Coandă” Air Force Academy, Romania

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Lect Daniela **NAGY**, PhD  
„Henri Coandă” Air Force Academy, Romania

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Assistant Professor Eng. Vasile **PRISACARIU**, PhD  
„Henri Coandă” Air Force Academy, Romania

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Maj Assistant **Daniel-Cornel ȘTEFĂNESCU**  
„Henri Coandă” Air Force Academy, Romania

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Lect Mihaela **GURANDA**, PhD  
„Henri Coandă” Air Force Academy, Romania

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LTC Bogdan **CHIOSEAU**, PhD  
„Henri Coandă” Air Force Academy, Romania

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Assistant Professor Ramona **HÂRȘAN**, PhD  
„Henri Coandă” Air Force Academy, Romania

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# The Conference' Panels

	Pag.
1. Military Sciences & Technology	9
<hr/>	
1.1 Military Sciences & Management	9
1.2 Weapons & Defense Technology	12
2. Fundamental Sciences & Cultural Studies	14
<hr/>	
2.1 Humanities. Social Sciences. Cultural Studies	14
2.2 Fundamental Sciences & Engineering	18





# 1. Military Sciences & Technology

## 1.1 Military Sciences & Management

Conference ROOM **E73**

### Moderators:

LTC Bogdan **CHIOSEAU**, PhD

„Henri Coanda” Air Force Academy, Brasov

Student Răzvan **VOICU**

„Henri Coanda” Air Force Academy, Brasov

- 
1. AIR CRASH INVESTIGATION SMOLENSK AIRPLANE CRASH  
**RALUCA MARIA ANGHEL**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
2. THE EFFECT OF JOINING NATO AND EU  
**ADELA-NICOLETA CILIBIU**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
3. US’S MILITARY SUPPORT TO INTERMARIUM COUNTRIES  
**VASILE CREȚU**  
*“Mihai Viteazul” National Intelligence Academy, Bucharest, Romania*
- 
4. SOME ASPECTS REGARDING ARCHITECTING RESILIENCE  
**DAN-SEBASTIAN CURTICĂPEAN**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
5. METHODS OF TARGET DETECTION USING AN ACOUSTIC RADAR  
**DANIEL FĂRCAȘ**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
6. CONTEMPORARY REQUIREMENTS FOR TERRITORIAL DEFENSE FORCES IN POLAND  
**KONRAD GIBAS, ROBERT RUDYŃSKI, ANDRZEJ GACH**  
*General Tadeusz Kościuszko Military University of Land Forces, Poland*
- 
7. BATTLE MANAGEMENT, COMMAND AND CONTROL (BMC2)  
**COSMIN-CONSTANTIN GRĂDINARU**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
-

<b>8.</b>	<b>THERMAL TREATMENTS APPLIED TO ALLOYS USED IN THE AIR FORCES</b> <b>CRISTIAN HUIDIU</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>9.</b>	<b>NATO LOGISTICS</b> <b>IOAN HUNCA</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>10.</b>	<b>MENTAL PREPARATION FOR MILITARY WAR</b> <b>CIPRIAN ISAC</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>11.</b>	<b>STUDY ON IAR-99 AIR CHARACTERISTICS AND PERFORMANCE</b> <b>ALEXANDRU MARIN</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>12.</b>	<b>DETERMINING OPTIMIZED COSTS IN NAVAL TRANSPORT</b> <b>ALEXANDRU RUICU, ANDREI MOGOSANU</b> <i>"Mircea cel Batran" Naval Academy, Constanta, Romania</i>
<b>13.</b>	<b>AIR POWER A PROTECTOR FOR MANKIND</b> <b>MARIAN MUŞAT</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>14.</b>	<b>IFF-IDENTIFICATION FRIEND OR FOE</b> <b>CRISTIAN NICULAE</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>15.</b>	<b>INTERMARIUM</b> <b>ALEXANDRU-MIHAI NOVAC, ALEXANDRU-IONUT BOTA</b> <i>"Nicolae Balcescu" Land Forces Academy, Sibiu, Romania</i>
<b>16.</b>	<b>INSTRUMENT LANDING SYSTEM</b> <b>CLAUDIU-MARIAN PADURARU</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>17.</b>	<b>TACTICAL AIR NAVIGATION SYSTEM</b> <b>TUDOR GHEORGHE PANDURU</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>18.</b>	<b>THE AIR POWER OVER THE SOUTH ATLANTIC - THE FALKLANDS WAR</b> <b>PAUL BENIAMIN POP</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>

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THE DIMENSIONS OF SURPRINING PRINCIPLE - TECHNOLOGICAL,  
INFORMATION, CONCEPTUAL AND OPERATIONAL - ACTIONAL AND  
**19. THEIR INFLUENCE IN CONTEMPORARY ARMED CONFLICTS**  
**RĂZVAN-ANTONIO PRICOPE**

*"Nicolae Balcescu" Land Forces Academy, Sibiu, Romania*

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STABILITY OPERATIONS IN AFGHANISTAN  
**20. CATALIN-IONUT SIMION**

*"Henri Coanda" Air Force Academy, Brasov, Romania*

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ANTI-ACCESS/AREA DENIAL WARFARE A NEW COLD WAR?  
**21. LUCIAN SIMIONESCU**

*"Henri Coanda" Air Force Academy, Brasov, Romania*

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CONSUMPTION OF NUTRITIONAL SUPPLEMENTS AMONG YOUNG  
PEOPLE- MILITARY STUDENTS VERSUS CIVIL STUDENTS -  
**22. IULIA-MADALINA STAICU**

*Institute for Military Medicine, Bucharest, Romania*

---

STRATEGIC MILITARY PLANNING IN ANTI AIR DEFENCE  
**23. MIHAIL STOIAN**

*"Henri Coanda" Air Force Academy, Brasov, Romania*

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PRINCIPLES OF STABILITY AND SUPPORT IN MILITARY OPERATIONS  
**24. Valerian TĂNASE**

*"Henri Coanda" Air Force Academy, Brasov, Romania*

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THE INFORMATION WARFARE IN ARMED CONFRONTATIONS  
**25. BOGDAN TOMA**

*"Henri Coanda" Air Force Academy, Brasov, Romania*

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INTRODUCTION TO CRYPTOGRAPHY  
**26. BOGDAN TOMA**

*"Henri Coanda" Air Force Academy, Brasov, Romania*

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CYBER TERRORISM AND ITS EFFECTS  
**27. BOGDAN-FLORIN ȚUȚUEANU**

*"Henri Coanda" Air Force Academy, Brasov, Romania*

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CLIMATE RISK PHENOMENA OF THE COLD SEASON IN ROMANIA  
**28. Elena VASILIU**

*"Henri Coanda" Air Force Academy, Brasov, Romania*

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# 1.2 Weapons & Defense Technology

Conference ROOM **E31**

## Moderators:

Maj Teaching Assistant Daniel-Cornel **ȘTEFĂNESCU**

„Henri Coanda” Air Force Academy, Brasov

Student Anda **NAN**

„Henri Coanda” Air Force Academy, Brasov

- 
1. **KUB MISSILE 2K12/SA-6**  
**ELENA ANDRONIC**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
2. **DEVELOPMENT OF PAKISTANI NUCLEAR DEFENSE - REASONS AND DANGERS**  
**WIOLETTA BOGUSZ**  
*War Studies University, Warsaw, Gdynia Maritime University Poland*
- 
3. **THE GUIDANCE METHODS OF PATRIOT PAC 2/3 SURFACE-TO-AIR MISSILES (HSAM)**  
**ANDREEA DĂNILĂ**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
4. **AIRCRAFTS AND AMMUNITION USED IN THE CLOSE AIR SUPPORT**  
**DENIS DOBRE**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
5. **THE HORIZON OF IAR-99: EVOLUTION AND TENDENCIES**  
**RĂZVAN GHEORGHIU**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
6. **RIM-161 STANDARD MISSILE 3**  
**GABRIEL DANIEL GOBEAJĂ**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
7. **MASS DESTRUCTION WEAPONS**  
**FLORIN-MARIAN JERCAN**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
- 
8. **TECHNOLOGY EXCHANGE. ATTACK VS DEFENSE**  
**DIANA-MARILENA PĂTRUȚ, DIANA SABĂU**  
*“Mihai Viteazul” National Intelligence Academy, Bucharest, Romania*
-

- 
9. **STUDY ABOUT THE CONSTRUCTION AND FUNCTIONING OF CA-94 SURFACE TO AIR MISSILE SYSTEM**  
**ALEXANDRU-MARIAN PISCUREANU**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
10. **CYBER SECURITY**  
**ALEXANDRU RĂDUCU**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
11. **LOCKHEED MARTIN F-35 LIGHTNING II JOINT STRIKE FIGHTER PROJECT**  
**PATRYCJA SZALEK**  
*War Studies University, Warsaw, Gdynia Maritime University Poland*
- 
12. **INTELLIGENT AMMUNITION TECHNOLOGY**  
**SEBASTIAN-MARIAN TRANDAF, CORINA-DANIELA FLONTAȘ**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
13. **THE INFORMATION WARFARE AND CYBERSPACE**  
**MARIA-ALEXANDRA TUDOR**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
14. **THE INTELLIGENCE WAR. UNMANNED AERIAL VEHICLE**  
**SEBASTIAN VASILE**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
-

## 2. Fundamental Sciences & Cultural Studies

### 2.1 Humanities. Social Sciences. Cultural Studies

Conference ROOM **E72**

#### Moderators:

Lecturer Daniela **NAGY** , PhD

„Henri Coanda” Air Force Academy, Brasov

Student Adina **ŞARAMET**

„Henri Coanda” Air Force Academy, Brasov

- 
1. **DID THE BANKERS KILL J.F. KENNEDY?**  
**VLAD-SEBASTIAN ANGHELUŢĂ**  
*”Nicolae Balcescu” Land Forces Academy, Sibiu, Romania*
- 
2. **THE EFFECTS OF FATIGUE IN AIRCRAFT MAINTENANCE**  
**CLAUDIU ARGYELAN-STÎNEAN**  
*”Henri Coanda” Air Force Academy, Brasov, Romania*
- 
3. **DEPRESSION**  
**CONSTANTIN-BOGDAN BANU**  
*”Henri Coanda” Air Force Academy, Brasov, Romania*
- 
4. **HUMAN ADAPTATION IN CLIMATE CHANGE AND VARIABILITY**  
**DENISA IRINA BUŢURCĂ**  
*”Henri Coanda” Air Force Academy, Brasov, Romania*
- 
5. **RICHARD NIXON VS UNITED STATES**  
**CARPIUC ADRIAN, BANU SORINA**  
*”Mihai Viteazul” National Intelligence Academy, Bucharest, Romania*
- 
6. **POSITIVE AND NEGATIVE EFFECTS OF MIGRATION**  
**JOANNA CHRAPKOWSKA**  
*War Studies University, Warsaw, Gdynia Maritime University Poland*
-

- 
7. **THE SEPARATIST MOVEMENT IN CATALONIA, SPAIN**  
**IULIA-MARIA CONDRUZ**  
*"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania*
- 
8. **THE RUSSIAN-CHECHEN CONFLICT A Brief Analysis.**  
**CAUSES, EVOLUTIONS, EFFECTS**  
**GEORGE MIHAI CONSTANTINESCU**  
*Babes-Bolyai University, Cluj-Napoca, Romania*
- 
9. **TERRORISM - THE WORST CALAMITY OF THE XXI CENTURY**  
**ROBERT CRIVĂȚ, BOGDAN BĂLUȘE**  
*"Mircea cel Batran" Naval Academy, Constanta, Romania*
- 
10. **DEPRESSION IN CANCER PATIENTS**  
**VLAD-ANDREI DAVID**  
*"Ovidius" University of Constanta, Romania*
- 
11. **THE GREATER GOOD**  
**GEORGE-DRAGOS DRAGAN**  
*"Mircea cel Batran" Naval Academy, Constanta, Romania*
- 
12. **RUSSIA, ON DECLINE OR ON THE RISE?**  
**GEORGIAN DUMITRACHE**  
*"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania*
- 
13. **PSYCHOLOGICAL AGGRESSION: THE UNCONVENTIONAL WARFARE**  
**VLAD-DANIEL EPURE**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
14. **THE ACCEPTATION OF FEMINISM: A CONTINUOUS CONTROVERSY**  
**ANTONIA GROZA, IOANA-MARA TOADER**  
*"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania*
- 
15. **EUROPE - NO LONGER A TERRORISM FREE LAND**  
**ALEXANDRU JURAVLE**  
*"Mircea cel Batran" Naval Academy, Constanta, Romania*
- 
16. **THE RIGHT TO CHILDHOOD - (UN)TOUCHABLE?**  
**GEORGE-SORIN MARIN, BOGDAN-VASILE MIHUȚ**  
*"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania*
- 
17. **INSIDE THE AVIATION MAINTENANCE TEAM**  
**LIVIA MIHAI**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
18. **INFORMATIONAL AGGRESSION BY MEANS OF PRESS**  
**LEONARD MITRICA**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
-



- 
19. WALKING THE ROAD OF EDUCATION UNDER GUN THREAT: CASE OF THE USA  
**DANIELA MOIAN, OANA STRĂMBEANU**  
*"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania*
- 
20. FROM ARAB SPRING TO ARAB WINTER: LIBYA AND ITS UNFINISHED REVOLUTION  
**ANDREI-CRISTIAN MORARU, CLAUDIA-ELENA FILIMON**  
*"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania*
- 
21. JUST A MANAGER OR A GOOD MANAGER?  
**MARIA-CĂTĂLINA MUNTEANU**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
22. INFORMATION OPERATIONS IN RUSSIA-GEORGIA WAR  
**DELIA-SABINA MUNTEANU**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
23. TERRORISM 2.0. THE RISE AND FALL OF THE ISLAMIC STATE  
**CLAUDIU-EDMOND NECULAU**  
*"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania*
- 
24. THE INFLUENCE OF POSTTRAUMATIC STRESS DISORDER ON MILITARY LIFE  
**ELENA NISIPARU**  
*"Ovidius" University of Constanta, Romania*
- 
25. DRUGS AMONG TEENAGERS - CAUSES, EFFECTS, CONSEQUENCES  
**OTILIA - IULIANA ONICIUC**  
*"Alexandru Ioan Cuza" Police Academy, Bucharest, Romania*
- 
26. TERRORIST WARFARE AND THE OFFENSIVE AGAINST IT  
**CLAUDIU SEBASTIAN PASCU**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
27. ATTENTION AND PERSONALITY TRAITS TO LOCOMOTIVE DRIVERS  
**ANDREEA CRISTINA POKKER (COMAN)**  
*"Ovidius" University of Constanta, Romania*
- 
28. LEADERS AND LEADERSHIP LEADERSHIP STYLES AND THEIR EFFICIENCY  
**ANDREEA-MĂDĂLINA RUSESCU**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
- 
29. IMPLEMENTATION OF IDEOLOGICAL SUBVERSION IN THE COLD WAR. THE ROLE OF FORMER KGB AGENTS  
**PETRIȘOR-LIVIU RUSU**  
*"Henri Coanda" Air Force Academy, Brasov, Romania*
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<b>30.</b>	<b>MILITARY STRATEGY IN ANCIENTRY HANNIBAL OR SCIPIO? ADINA ȘARAMET</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>31.</b>	<b>POST-TRAUMATIC STRESS DISORDER (PTSD) IULIA SCRIPCĂ</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>32.</b>	<b>THE ROLE OF MONARCHY IN THE ROMANIAN SOCIETY ȘERBAN GABRIEL</b> <i>"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania</i>
<b>33.</b>	<b>COMMUNICATION - A LIANT OR A GAP BETWEEN PEOPLE NICOLETA SIMA</b> <i>"Mihai Viteazul" National Intelligence Academy, Bucharest, Romania</i>
<b>34.</b>	<b>INNOVATIONS AT THE AIRPORTS ALEKSANDRA ŚLIWIŃSKA</b> <i>War Studies University, Warsaw, Gdynia Maritime University Poland</i>
<b>35.</b>	<b>THE BATTLE OF SOLDIERS AT PEACE CRISTIAN STATE</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>36.</b>	<b>THE ROBOTIC DIMENSION OF FUTURE WARFARE RĂZVAN-CONSTANTIN STOLERIU</b> <i>Military Technical Academy, Bucharest, Romania</i>
<b>37.</b>	<b>THE ROLE OF COPING STRATEGIES IN LEARNING MOTIVATION MIHAELA-IOANA SUSANU</b> <i>"Ovidius" University of Constanta, Romania</i>
<b>38.</b>	<b>PROTECTION AGAINST PSYCHOLOGICAL AGGRESSION OF THE ENEMY Ana-Maria TĂNASE</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>39.</b>	<b>THE INFLUENCE OF THE EDUCATIONAL AND FAMILY ENVIRONMENT ON THE PRESCHOOL ALINA ZBENGHEA</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>

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## 2.2 Fundamental Sciences & Engineering

### Conference ROOM E45

#### Moderators:

Assistant Prof Cristian-George **CONSTANTINESCU**, PhD  
„Henri Coanda” Air Force Academy, Brasov

Student Dana **IFRIM**  
„Henri Coanda” Air Force Academy, Brasov

- 
1. **FM TRANSMITTER/RECEIVER USING AN USRP BOARD AND GNU RADIO**  
**MIHAIL ANTON**  
*“Mircea cel Batran” Naval Academy, Constanta, Romania*

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  2. **ELECTROMAGNETIC RADIATION AND HEALTH**  
**RĂZVAN APETREI**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*

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  3. **AIRCRAFT INTEGRATED DISPLAY SYSTEMS**  
**Adelina-Adriana BALOI**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*

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  4. **HARMONIC MECHANISMS**  
**Flavius Nicolae BRICIU**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*

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  5. **CONSIDERATIONS ON TCAS (TRAFFIC COLLISION AVOIDANCE SYSTEM)**  
**MARIUS CHIFIRIUC**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*

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  6. **TECHNICAL CHARACTERISTICS OF RADIOLOCATION ANTENNAS**  
**EDUARD COVASNICIUC**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*

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  7. **G.P.W.S SYSTEM GROUND PROXIMITY WARNING SYSTEM**  
**IULIA-MARIA DANCIU**  
*“Henri Coanda” Air Force Academy, Brasov, Romania*
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<b>8.</b>	<b>GAS-TURBINE ENGINE</b> <b>MARIUS DĂNILĂ, MARIAN STAN</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>9.</b>	<b>THE IMPACT OF GLOBAL WARMING ON THE ENVIRONMENT</b> <b>PETRIȘOR DOBRE</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>10.</b>	<b>OPTICAL PHENOMENA IN THE ATMOSPHERE</b> <b>SILVIU COSTEL DOBRESENCIUC</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>11.</b>	<b>ON BOARD AIRCRAFT INTEGRATED SYSTEMS FOR INFORMATION DISPLAY</b> <b>RĂZVAN-MIHAI GAVRILĂ</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>12.</b>	<b>CERAMIC COMPOSITE MATERIALS IN THE AEROSPACE INDUSTRY</b> <b>MĂDĂLINA-GEORGIANA HUȚANU</b> <i>Transilvania University of Brasov, Romania</i>
<b>13.</b>	<b>AIRCRAFT NOISE AND ITS EFFECT ON THE ENVIRONMENT</b> <b>STEFAN IANCU, ALEXANDRU ALMASAN</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>14.</b>	<b>PRINCIPLES OF RADIO COMMUNICATION</b> <b>CRISTIAN IFRIM</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>15.</b>	<b>ANALYSIS OF PERFORMANCE CHARACTERISTICS OF TRANSPORT HELICOPTERS</b> <b>ALEXANDRU DRAGOS ION</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>16.</b>	<b>IR LIGHT BARRIER</b> <b>REBECA-ELENA IONESCU</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>17.</b>	<b>PISTON ENGINE USED IN AVIATION</b> <b>MADUTA OCTAVIAN</b> <i>"Henri Coanda" Air Force Academy, Brasov, Romania</i>
<b>18.</b>	<b>PHYSICAL-CHEMICAL ANALYSES OF DECONTAMINATED WATER BY USING AN ANTI POLLUTANT BIODEGRADABLE MATERIAL</b> <b>ANDREEA MANOLE, MARIA ANDRONESCU</b> <i>"Mircea cel Batran" Naval Academy, Constanta, Romania</i>

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- 19. COMPRESSORS FOR JET ENGINES**  
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- 20. CONSIDERATIONS FOR STAR ENGINES USED IN THE AEROSPACE INDUSTRY**  
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- 
- 21. A DIFFERENT APPROACH TO FREQUENCY MIXING IN RADAR TECHNOLOGY AND RADIO RECEIVERS**  
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- 23. GROUND PROXIMITY WARNING SYSTEM (GPWS)**  
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- 
- 24. CONTROL AND EFFECTS OF THE SHIP'S CONFINED SPACES**  
**TRAIAN ALEXANDRU RADULESCU, ALEXE GABRIEL**  
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- 
- 25. PROPERTIES OF METALLIC MATERIALS**  
**MARIUS-ALEXANDRU SIMION**  
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- 
- 26. GAS SENSORS WITH ARDUINO**  
**ANDREI STANICA**  
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- 
- 27. CUMULONIMBUS CLOUDS AND THE EXTREME WEATHER PHENOMENA THEY GENERATE**  
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