# **ONFERENCE GUIDE**



Henri Coanda Air Force Academy Brasov, Romania

# AFASTUD 2021

The 22<sup>nd</sup> Students' International Conference

Communicating across Cultures

26 March 2021 Brasov, Romania

# **Conference Agenda**

#### FRIDAY, March 26, 2021

8.00 - 11.00 - Paper presentations on panels (I)

#### 1. MILITARY SCIENCES & MANAGEMENT

#### Moderators:

Lt. Col. Lect Bogdan CHIOSEAUA Student Omar OCAL Student Liviu-Nicusor RĂDUCU

#### 2. WEAPONS & DEFENSE TECHNOLOGY

#### Moderators:

Lt.Col. Marian-Cristian ENE Lt.Col. Ioan-Dănuţ BĂLOS Student Cătălina ALDEA Student Andrei COPCIAG

## **3. HUMANITIES & SOCIAL SCIENCES**

#### Moderators:

Lect Daniela **NAGY** Student Ruth **DRĂGUŞIN** Lect Ramona **HĂRŞAN** Student Oana Adelina **STOICA** 

## 4. FUNDAMENTAL SCIENCES & ENGINEERING

#### Moderators:

Assist. Prof. Eng. George-Cristian **CONSTANTINESCU** Student Eugenia-Valentina **BECHERESCU** Assist. Prof. Eng.Vasile **PRISACARIU** Student Andrei **CURIMAN** 

- 11.00 11.30 Break
- 11.30 15.00 Paper presentations on panels (II)

# **Scientific Committee**

Senior Researcher Eng. Irina ANDREI, PhD National Institute for Aerospace Research "Elie Carafoli", Bucharest, Romania Brig Gen (r) Prof. Vasile BUCINSCHI, PhD "Henri Coandă" Air Force Academy, Brasov, Romania Assoc. Prof Elena BUJA, PhD Transilvania University of Brasov, Romania Prof. Sorin CHEVAL, PhD "Henri Coandă" Air Force Academy, Brasov, Romania Col. Assoc. Prof Eng. Dilyan DIMITROV, PhD "Vasil Levski" National Military University, Veliko Târnovo, Bulgaria Col. Assoc.Prof. Eng. Laurian GHERMAN, PhD "Henri Coandă" Air Force Academy, Brasov, Romania Assoc. Prof Diana ILISOI, PhD "Henri Coandă" Air Force Academy, Brasov, Romania Assoc. Prof Ioanna LEKEA, PhD Hellenic Air Force Academy, Acharnae, Greece Lt.Col. Prof. Adrian LESENCIUC. PhD "Henri Coandă" Air Force Academy, Brasov, Romania Assoc. Prof. Eng. Doru LUCULESCU, PhD "Henri Coandă" Air Force Academy, Brasov, Romania Assoc. Prof. Eng. Liliana MIRON, PhD "Henri Coandă" Air Force Academy, Brasov, Romania Maj Gen Prof. Gabriel-Florin MOISESCU, PhD "Henri Coandă" Air Force Academy, Brasov, Romania Col Assoc Prof Zhivo PETROV, PhD "Georgi Benkovski" Air Force Academy, Dolna Mitropolia, Bulgaria Col. Assoc. Prof. Vasile SANDRU, PhD "Henri Coandă" Air Force Academy, Brasov, Romania Prof. Mariselda TESSAROLO, PhD University of Padua, Padua, Italy Prof eng. Michael TODOROV, PhD Technical University, Sofia, Bulgaria

**Conference Panels** 

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# 1. Military Sciences & Management

#### **Moderators:**

Lt. Col. Lect Bogdan CHIOSEAUA, PhD

"Henri Coanda" Air Force Academy, Brasov

Student Omar OCAL

"Henri Coanda" Air Force Academy, Brasov

Student Liviu-Nicusor RĂDUCU

"Henri Coanda" Air Force Academy, Brasov

Role of Engagement of Armed Forces in the Fight Against Terrorism

#### 1. Raluca-Elena ARHIP

"Henri Coanda" Air Force Academy, Brasov, Romania

Emergency Management, Essential Condition for the Prevention of

2. Aviation Occurrences in Air Force

#### Adrian AVRAM

"Henri Coanda" Air Force Academy, Brasov, Romania

Battle Command and Troops Leading Procedures Applied in Anti-Aircraft Artillery

#### 3. Artillery

Andreea BOGZOIU

"Henri Coanda" Air Force Academy, Brasov, Romania

Intelligence Preparation of the Battlefield Integration in the Planning

4. Process of Anti-Aircraft Artillery Combat Actions

#### Roxana-Georgeana CALDARE

"Henri Coanda" Air Force Academy, Brasov, Romania

Some Challenges to the Military Dimension of Security

# 5. Ilişca-Anişoara COMAN

"Henri Coanda" Air Force Academy, Brasov, Romania

The Threat Posed by Terrorism Against the World States

#### 6. Adriana- Rebeca DĂNILĂ "Henri Coanda" Air Force Academy, Brasov, Romania

Prisoner of War Status in Different Type of Conflicts

#### 7. Marius-Marian DIAC

"Henri Coanda" Air Force Academy, Brasov, Romania

Alternatives Found at European Level to Make Air Traffic More Efficient. Study of the Challenges of Space Sharing by Military and Civilian

8. Operators

#### Paula DIACONAȘU

"Henri Coanda" Air Force Academy, Brasov, Romania

The Importance of Air Traffic Management for Achieving Safety of

9. Flights

#### Georgian-Denis GOSTIN

"Henri Coanda" Air Force Academy, Brasov, Romania

#### NATINADS, Romania's contribution to NATINADS

10. Alexandru GRECU "Henri Coanda" Air Force Academy, Brasov, Romania

Air Traffic Control

11. Elena-Laura ION

"Henri Coanda" Air Force Academy, Brasov, Romania

Resilience Study for Operational Air Traffic Control in Dealing With

#### **12.** Aeronautical Emergency Situations

#### Rebeca-Andreea IONIȚĂ

"Henri Coanda" Air Force Academy, Brasov, Romania

#### Military Leadeship

#### 13. Elena-Bianca IORGA

"Henri Coanda" Air Force Academy, Brasov, Romania

Shared Use of Air Space by Military and Air Operators Civil

**14.** FUA-Flexible Use of Airspace

#### Alex KEREKEŞ

"Henri Coanda" Air Force Academy, Brasov, Romania

#### Airspace Management — Flexible Use Of Airspace (FUA)

#### 15. Sorin LEAUA

"Henri Coanda" Air Force Academy, Brasov, Romania

The Effects of the Iraq War on the Population

#### 16. Cristina-Maria MOVILĂ

The Peacekeeping Operations the Need for a Comprehensive Approach

#### 17. Marian Cosmin MUŞAT

"Henri Coanda" Air Force Academy, Brasov, Romania

Study on the Attitude of Hitler's Great Commanders Towards the Nazi Regime and its Impact on the Perception of the War

18. Vasilica NEGRU

"Henri Coanda" Air Force Academy, Brasov, Romania

Study on the Application of the Principles of Operational Law in Air Force Missions

19. Cosmina Irina PODAR

"Henri Coanda" Air Force Academy, Brasov, Romania

Helicopters - Support Capability for Ground Forces

#### 20. Ioan Alexandru POPA "Henri Coanda" Air Force Academy, Brasov, Romania

Study on Geopolitical Scenarios for Defence of Romania's Border Area

21. From the Black Sea

#### . Lavinia PURICI

"Henri Coanda" Air Force Academy, Brasov, Romania

Use of Drones in Contemporary Air Operations

#### 22. Liviu Nicușor RĂDUCU

"Henri Coanda" Air Force Academy, Brasov, Romania

Study on Management of Information Systems

#### 23. Angel Gabriel SARDARU

"Henri Coanda" Air Force Academy, Brasov, Romania

Nonverbal Communication in the Military System

#### 24. Mădălina Teodora TÂMPESCU

"Henri Coanda" Air Force Academy, Brasov, Romania

1960: the U-2 Crisis

#### 25. Ana-Maria UNGUREANU

"Henri Coanda" Air Force Academy, Brasov, Romania

Study on Occupational Stress Management in the Activity of Air Traffic Controllers

# 26. Neculai-Ștefan URSACHE

"Henri Coanda" Air Force Academy, Brasov, Romania

Professional Stress in the Air Traffic Control Activity

#### 27. Denis Bogdan VĂTĂMANELU

# 2. WEAPONS & DEFENSE TECHNOLOGY

#### **Moderators:**

Lt.Col. Marian-Cristian ENE

"Henri Coanda" Air Force Academy, Brasov

Lt.Col. Ioan-Dănuț BĂLOS

"Henri Coanda" Air Force Academy, Brasov

Student Cătălina ALDEA

"Henri Coanda" Air Force Academy, Brasov

#### Student Andrei COPCIAG

"Henri Coanda" Air Force Academy, Brasov

The Fuze Used for Anti-Aircraft Fire

# 1. Cătălina Elena ALDEA "Henri Coanda" Air Force Academy, Brasov, Romania

Hovering and Ground Effect

#### 2. Andreea-Mălina BĂLĂNICĂ "Henri Coanda" Air Force Academy, Brasov, Romania

Study of the OSA Missile System

#### 3. Eduard Daniel BÂRLEAN "Henri Coanda" Air Force Academy, Brasov, Romania

#### 9K33OSA Missile System

4. Bogdan-Constantin CADĂR "Henri Coanda" Air Force Academy, Brasov, Romania

#### 9K32 STRELA 2 Missile System

#### 5. Andrei-Daniel COPCIAG

"Henri Coanda" Air Force Academy, Brasov, Romania

Radar Warning Receivers (RWR)

#### 6. Vlad-Gabriel COVALIU

Cyber security and Its Applicability in the Military Domain

#### 7. Andrei-Daniel DUMITRACHE

"Henri Coanda" Air Force Academy, Brasov, Romania

Fuel Cell as a Power Source for Unmanned Ground Vehicle

#### 8. Marek FERENČÁK

Armed Forces Academy of General M. R. Štefánik, Liptovský Mikuláš, Slovakia

Technologies Used in Weapon Systems

#### 9. Andra Codruța GHERASIM

"Henri Coanda" Air Force Academy, Brasov, Romania

Active Means of Defense of the Centers of Gravity Against Aerial

#### 10. Threats

#### Denisa GRADEA

"Henri Coanda" Air Force Academy, Brasov, Romania

Russia's Response to NATO's Advanced Presence in Europe

#### 11. Florian Cătălin IONESCU

"Henri Coanda" Air Force Academy, Brasov, Romania

Research Regarding the Missile System MIM-23 Hawk

#### 12. Stefan Danut ISAR

"Henri Coanda" Air Force Academy, Brasov, Romania

General Notions About Missiles

#### 13. Mihai-Adrian MĂLIȚĂ "Henri Coanda" Air Force Academy, Brasov, Romania

"Swarming Drones": The New Face of Air Warfare

#### 14. Maria-Mădălina MARTIN

"Henri Coanda" Air Force Academy, Brasov, Romania

The Role of Anti-Aircraft Rocket Systems in a NATO A2/AD Architecture

15. in the Black Sea RegionDiana-Cristina MILU

"Henri Coanda" Air Force Academy, Brasov, Romania

#### Fire Control System of the 88 mm Flak Anti-Aircraft Gun

#### 16. Fănica Ionelia MÎȚU "Henri Coanda" Air Force Academy, Brasov, Romania

The Importance of Radar Cross Section in Detection Process

#### 17. Oana-Andra NICOLAE

The Use of Models and Simulation in Military Instruments That Deserve

- 18. the Patriot System
  - Andrada PĂNOIU

"Henri Coanda" Air Force Academy, Brasov, Romania

A Comparison of Russia's S-400 Triumf Against U.S. PATRIOT

#### 19. Alexandru Ștefan PĂPĂLĂU "Henri Coanda" Air Force Academy, Brasov, Romania

The Major Items of Patriot System

#### 20. Narcisa PAVEL

"Henri Coanda" Air Force Academy, Brasov, Romania

Russian A2/AD - A Growing Problem

#### 21. Silviu Constantin POPA

"Henri Coanda" Air Force Academy, Brasov, Romania

Research on Anti-Aircraft Artillery Systems. Canon 8.8 cm Flak

#### 22. Iuliana PRODEA

"Henri Coanda" Air Force Academy, Brasov, Romania

Preserving Airspace's Integrity and Sovereignty, The New Challenge of the 21<sup>st</sup> Century. The Character of Air Policing at National and NATO

#### 23. Level

#### Ioana-Georgiana PURCARU

"Henri Coanda" Air Force Academy, Brasov, Romania

Expandable Electronic Means of Attack

#### 24. Alina Elena ROMAN

"Henri Coanda" Air Force Academy, Brasov, Romania

A Comparative Study of Efficiency in Battle For Surface to Air Missiles

#### 25. Defense Systems

Andrada-Monica ROMAN

"Henri Coanda" Air Force Academy, Brasov, Romania

Seekers For Surface-To-Air Missile Systems

#### 26. Dragoș-Marian STAN

"Henri Coanda" Air Force Academy, Brasov, Romania

Homing All the Way Killer – Hawk

27. Mihaela Cristina STROE

"Henri Coanda" Air Force Academy, Brasov, Romania

#### **Unmanned Aerial Vehicles**

#### 28. George ȚÎRDEA "Henri Coanda" Air Force Academy, Brasov, Romania

Overview of the "Patriot" Complex

#### 29. Ionela-Nicoleta TECUȚĂ

"Henri Coanda" Air Force Academy, Brasov, Romania

Overcoming a Stair-Type Obstacle With Tracked Vehicle

#### 30. Tomáš KRIŠ

Armed Forces Academy of General M. R. Štefánik, Liptovský Mikuláš, Slovakia

#### Deadly GEPARD

#### 31. Ionuţ - Robert VLĂSCEANU

# **3. HUMANITIES & SOCIAL SCIENCES**

#### **Moderators:**

Lect Daniela NAGY, PhD

"Henri Coanda" Air Force Academy, Brasov

Lect Ramona HĂRŞAN, PhD

"Henri Coanda" Air Force Academy, Brasov

Student Ruth DRĂGUŞIN

"Henri Coanda" Air Force Academy, Brasov

Student Oana Adelina STOICA

"Henri Coanda" Air Force Academy, Brasov

The Essence of Leadership, Leader's Qualities

#### 1. Cezar Valentin ACUJBOAEI

"Henri Coanda" Air Force Academy, Brasov, Romania

Stimulating the Development of Teenagers Through Sports and Leisure

#### 2. Activities Larisa-Andreea ANDRONACHE

"Henri Coanda" Air Force Academy, Brasov, Romania

Public Speaking: The Sience of Debate, English-Speaking Models of

Global Interest

#### Sebastian Avram

"Henri Coanda" Air Force Academy, Brasov, Romania

Achieving an Efficient Communication Within the Military Educational

- 4. Institutions
- Andreea-Alexandra BEGA "Henri Coanda" Air Force Academy, Brasov, Romania

Human Performance and Limitations

#### 5. Lucian BICHIU "Henri Coanda" Air Force Academy, Brasov, Romania

Leadership and Its Role in Streamlining Military Actions

# 6. Dina-Florentina BORŢUN

Drill Comands and Related Terms in English and Romanian – A  $\tilde{a}$ 

 Comparative Approach Lucian Valentin BOSTAN "Henri Coanda" Air Force Academy, Brasov, Romania

Disney Animations and Propaganda Before and During World War II

8. Eduard BOTAŞ "Henri Coanda" Air Force Academy, Brasov, Romania

The Influence of Electromagnetic Waves on Human Body and Health

#### 9. Alexandra-Raluca BRATU "Henri Coanda" Air Force Academy, Brasov, Romania

Radiotelephony Standard Phraseology and Its Importance in Avoiding

- 10. Aviation Disasters
  - Ioana-Raluca COMĂRNICEANU "Henri Coanda" Air Force Academy, Brasov, Romania

What it Takes to be an Air Traffic Controller

11. Claudiu-Ovidiu CONSTANTIN "Henri Coanda" Air Force Academy, Brasov, Romania

Leadership in Military Operations

12. Liviu CONSTANTINOAIA "Henri Coanda" Air Force Academy, Brasov, Romania

Sport – A Mechanism of Life and Peace

13. Andra-Mihaela CREȚU, Andrei ȚÎNȚĂREANU "Henri Coanda" Air Force Academy, Brasov, Romania

Management of Stress Among Aircraft Pilots

#### 14. Dragoș-Constantin CRÎNGAȘU

"Henri Coanda" Air Force Academy, Brasov, Romania

**Operational Stress Control** 

#### 15. Elena DOBRE

"Henri Coanda" Air Force Academy, Brasov, Romania

The Military Woman

16. Larisa Anamaria DOCUZ "Henri Coanda" Air Force Academy, Brasov, Romania

Elements That May Have Led to the Failure of the United Nations

- 17. Assistance Mission for Rwanda- Unamir, 1994
  - Ruth DRĂGUȘIN-ARDELEAN

Combat Stress Reaction

#### 18. Leonard-Florentin DRUG

"Henri Coanda" Air Force Academy, Brasov, Romania

#### Occupational Stress in the Activity of the Air Traffic Controller

#### 19. Irina-Georgiana DUDU

"Henri Coanda" Air Force Academy, Brasov, Romania

#### Lifelong Learning of Military Professional

#### 20. Cosmin Andrei ENACHE

"Henri Coanda" Air Force Academy, Brasov, Romania

To Be, or Not to Be...Bilingual

#### 21. Ramona Simina GĂLĂȚAN

"Henri Coanda" Air Force Academy, Brasov, Romania

Study About Major Risks of Stress, Fatigue and Sleep Among Aviation

22 Personnel

#### Cristian loan GIURGIU

"Henri Coanda" Air Force Academy, Brasov, Romania

The Influence of Physical Activities in Moments of Stress, Anxiety and

#### 23. Depression

#### Teodora-Maria GROZA

"Henri Coanda" Air Force Academy, Brasov, Romania

Perspectives on Women's Involvement in the Effective Functioning of

#### 24. the Military System

#### . Andrada Lăcrămioara Giorgiana ILIE

"Henri Coanda" Air Force Academy, Brasov, Romania

Dress Codes, Uniforms, and Their Influence on Behavior

#### 25. Alexandru LAZĂR

"Henri Coanda" Air Force Academy, Brasov, Romania

Aerodrome Control Service – A Permanent Challenge for Air Traffic

#### 26. Controllers

#### Lorena-Ștefania LUPU

"Henri Coanda" Air Force Academy, Brasov, Romania

Motivatin for Learning

#### 27. Ștefan-Andrei MARE

Language Proficiency Issues Non Native English Speakers Encounter in

#### 28. Aviation

Andrea Simona MIHALI

"Henri Coanda" Air Force Academy, Brasov, Romania

Interpersonal Communication in the Military

#### 29. Adelina-Florentina MIRON

"Henri Coanda" Air Force Academy, Brasov, Romania

#### Post-Traumatic Stress Disorder Among Veteran And Deployed Military

#### 30. Bogdan Andrei MITREA

"Henri Coanda" Air Force Academy, Brasov, Romania

The Role of Emotional Intelligence in Leadership

#### 31. Andreea-Ioana MOISA

"Henri Coanda" Air Force Academy, Brasov, Romania

#### Roman Law

#### 32. Oana-Diana MOLDOVAN

"Henri Coanda" Air Force Academy, Brasov, Romania

Cognitive Dissonance: Why Do We Feel Uneasy?

#### 33. Mihai-Radu MOLDOVAN

"Henri Coanda" Air Force Academy, Brasov, Romania

The Influence of Meteorological Conditions on Landing and Take-Off

#### 34. Codruț – Ștefănel MOLDOVEANU

"Henri Coanda" Air Force Academy, Brasov, Romania

**Risk: From Definition to Consequences** 

#### 35. Vlad-Paulian OPREA

"Henri Coanda" Air Force Academy, Brasov, Romania

Communicative Competence-Essential Requirement in Completing the Profile of the Romanian Soldier

# 36. Anamaria-Valentina PĂTRAȘCU

"Henri Coanda" Air Force Academy, Brasov, Romania

The Heroes of the National Integration War Ecaterina Teodoroiu, Elena

37. Caragiani, Marina Hociotă Ionela PAVEL

"Henri Coanda" Air Force Academy, Brasov, Romania

Professional Stress in the Traffic Controller's Activity

#### 38. Dragoș Constantin PENESCU

Interpersonal Relationships in the Digital Age

#### **39.** Nicoleta-Monica PETRAȘ

"Henri Coanda" Air Force Academy, Brasov, Romania

Knowing People Through the Face and What it Expresses

#### 40. Elena-Tatiana PETRE

"Henri Coanda" Air Force Academy, Brasov, Romania

The Effects of Mass-Media Manipulation on Culture and Society

#### 41. Bianca-Mădălina PINTILEI

"Henri Coanda" Air Force Academy, Brasov, Romania

Dissimulating the Perception of Propaganda in the Consciousness of

#### 42. Public Opinion Sahin Ianis Florentin RASTGU

"Henri Coanda" Air Force Academy, Brasov, Romania

Preventing The Phenomenon of Sexual Harassment in the Army

#### 43. Adriana Mihaela RISTEA

"Henri Coanda" Air Force Academy, Brasov, Romania

**Getting Behind Entangled Wires** 

#### 44. Darius-Mihai SIMION

"Henri Coanda" Air Force Academy, Brasov, Romania

The Resurgence of the So-Called Islamic State, a Reality?

#### 45. Ștefan-Sebastian SÎRBU

"Henri Coanda" Air Force Academy, Brasov, Romania

#### NATO Expansion

#### 46. Cristina- Andreea STAN

"Henri Coanda" Air Force Academy, Brasov, Romania

Three Deadliest Plane Crashes of All Time

#### 47. Silviu STANCIU

"Henri Coanda" Air Force Academy, Brasov, Romania

Fear of Flight

#### 48. Bianca-Mădălina TUDOSE

"Henri Coanda" Air Force Academy, Brasov, Romania

Pilot Suicide - The Tacit Aviation Crisis

#### 49. Paula-Cristina URDEA

Study on Psychosocial Determinations in the Carrying Out of the 50. Military Career

Marian-Cătălin VLĂZAN

# 4. FUNDAMENTAL SCIENCES & ENGINEERING

#### Moderators:

Assist. Prof. Eng. George-Cristian CONSTANTINESCU, PhD

"Henri Coanda" Air Force Academy, Brasov

Assist. Prof. Eng. Vasile **PRISACARIU**, PhD "Henri Coanda" Air Force Academy, Brasov

Student Eugenia-Valentina **BECHERESCU** 

"Henri Coanda" Air Force Academy, Brasov

Student Andrei CURIMAN

"Henri Coanda" Air Force Academy, Brasov

#### Cyberwar

#### 1. Dragoş - Adrian AGIU "Henri Coanda" Air Force Academy, Brasov, Romania

Pseudo-Random Number Generator

#### 2. Ionuț-Doduț ALDULEA

"Henri Coanda" Air Force Academy, Brasov, Romania

Using of Arduino UNO Developing Kit in the Process of Simplifying the Sorting of Mail Devices Using RFID Tags

# 3. Alexandru-Ionuț BADEA

"Politehnica" University of Bucharest, Romania

#### Study on modern cryptography

4. Andrei Mădălin BĂJAN "Henri Coanda" Air Force Academy, Brasov, Romania

Signal Transmission Using Time Multiplexing

5. Maria-Ruxandra BOCA "Henri Coanda" Air Force Academy, Brasov, Romania

The Impact of Tropical Cyclones on Humanity

#### 6. Alex-Claudiu BORZA "Henri Coanda" Air Force Academy, Brasov, Romania

The Influence of Jet Stream on Aviation

#### 7. Maria-Teodora CARDOŞ

"Henri Coanda" Air Force Academy, Brasov, Romania

Attenuation of Electromagnetic Radiation by Atmospheric Conditions

#### 8. Andrei COHAI

"Henri Coanda" Air Force Academy, Brasov, Romania

The Aerodynamics of Fighter Aircraft

#### 9. Ionuț-Vlăduț COVACI

"Henri Coanda" Air Force Academy, Brasov, Romania

Effects of Atmospheric Phenomena on Communications

#### 10. Andrei – Gheorghe COZMA

"Henri Coanda" Air Force Academy, Brasov, Romania

The Cathode-Ray Tube

#### 11. Monica-Florentina CRIHAN

"Henri Coanda" Air Force Academy, Brasov, Romania

The Study of Radar Ranging Equation Using Python Programming

#### **12.** Language

#### Bianca Teodora DEDU

"Henri Coanda" Air Force Academy, Brasov, Romania

Maintenance of Digital Radar Systems

#### 13. Marian-Cristian DRĂCEA

"Henri Coanda" Air Force Academy, Brasov, Romania

#### A Trip to the World of Unmanned Aircraft Vehicles

#### 14. Andreea-Cristina GONTARIU

"Henri Coanda" Air Force Academy, Brasov, Romania

#### Full Discharge Pulse Modulator

#### 15. Alexandru HOTINCEANU

"Henri Coanda" Air Force Academy, Brasov, Romania

Variable Sweep Wings. Grumman F-14A Tomcat Wing

#### 16. Dănilă MARGINEAN

"Henri Coanda" Air Force Academy, Brasov, Romania

The Verification by Calculus of the Transmission of the Extraction Machine's Reducer from the Old Pit With Skip – Lonea Minig Plant

#### 17. Danut Ilie MATEI

Department of Industrial Mechanical Engineering and Transport, University of Petroşani, Romania The Aspects of Using Passive Filters

#### 18. Oana MAXIM

"Henri Coanda" Air Force Academy, Brasov, Romania

#### DETECTORS

#### 19. Irina MOROŞAN

"Henri Coanda" Air Force Academy, Brasov, Romania

The Impact of Thunderstorm on Aviation Activities

#### 20. Augusta-Gabriela MOROȘAN

"Henri Coanda" Air Force Academy, Brasov, Romania

Intermediate Frequency Amplifiers

#### 21. Ioana Alexandra MUREŞAN

"Henri Coanda" Air Force Academy, Brasov, Romania

The Effects of G-Forces on the Human Body

#### 22. Anca Maria NĂSTASE

"Henri Coanda" Air Force Academy, Brasov, Romania

**Radio Frequency Power Amplifier** 

#### 23. Simona-Daniela NEGURĂ

"Henri Coanda" Air Force Academy, Brasov, Romania

Pulse Modulators. Partial Discharge Modulators (With Active Switch)

#### 24. Raluca-loana OAIDĂ

"Henri Coanda" Air Force Academy, Brasov, Romania

Intermediate Frequency Amplifier

#### 25. Mihnea PAVLOVICI-PAVEL "Henri Coanda" Air Force Academy, Brasov, Romania

Analysis of Termic Extremes Recorded at the Meteorological Station in

#### 26. Drobeta Turnu-Severin, Between 1965 and 2015

Andreea PÎŞNEI

"Henri Coanda" Air Force Academy, Brasov, Romania

**Operational Amplifier** 

#### 27. Oana-Ionela POPESCU

"Henri Coanda" Air Force Academy, Brasov, Romania

#### Database

#### 28. George-Claudiu SÎRBESCU

"Henri Coanda" Air Force Academy, Brasov, Romania

Voltage Stabilizers

# 29. Ioana Miruna Diana SLOTEA

Analysis of Extreme Precipitation Recorded at the Meteorological

- 30. Station in Cluj-Napoca, Between 1965 And 2015
  - Oana Adelina STOICA

"Henri Coanda" Air Force Academy, Brasov, Romania

Logarithmic Amplifier: Theory and Implementation

31. Diana-Maria UNGUR "Henri Coanda" Air Force Academy, Brasov, Romania

**UAS** Operation Risks

#### 32. Anett VAGHY

"Henri Coanda" Air Force Academy, Brasov, Romania

Intelligent Ways of Measuring Wind Speed

#### 33. Marilena – Ioana ZUZEAC

