

„HENRI COANDĂ”  
AIR FORCE ACADEMY  
BRASOV



EURO-ATLANTIC RESILIENCE  
CENTRE (E-ARC)  
BUCHAREST



EUROPEAN SECURITY AND  
DEFENCE COLLEGE  
BRUXELLES



EUROPEAN INITIATIVE FOR  
THE EXCHANGE OF YOUNG  
OFFICERS (EMILYO)



# Coanda Scientific Events

## Partners:

Romanian Committee for the History and Philosophy of Science and  
Technology (CRIFST) of the Romanian Academy, Bucharest



---

The 13<sup>th</sup> Edition of the International Conference  
*Redefining Community in  
Intercultural Context RCIC'26*  
*Cognitive Warfare & Resilience*

---

The 27<sup>th</sup> Edition of the International Conference AFASES, 2026  
*Scientific Research and  
Education in the Air Force*

BRASOV

21-23 May, 2026

„HENRI COANDĂ”  
AIR FORCE ACADEMY  
BRASOV



EURO-ATLANTIC RESILIENCE  
CENTRE (E-ARC)  
BUCHAREST



EUROPEAN SECURITY AND  
DEFENCE COLLEGE  
BRUXELLES



EUROPEAN INITIATIVE FOR  
THE EXCHANGE OF YOUNG  
OFFICERS (EMILYO)



# Coanda Scientific Events

## Partners:

Romanian Committee for the History and Philosophy of Science and  
Technology (CRIFST) of the Romanian Academy, Bucharest



# CRIFST

**Thursday, 21<sup>st</sup> May, 2026**

**19:00 Welcome cocktail at “Henri Coandă” Air Force Academy, Senate Hall**

**Friday, 22<sup>nd</sup> May, 2026**

**9:30 – 10:00 Registration of participants – The Marble Hall, Officers’ Club, 1A Lunga st., Braşov**

**10:00 - 10:20 CONFERENCE OPENING – The Marble Hall, Officers’ Club**

Brig Gen(AF) Assoc Prof **Marius ŞERBESZKI, PhD** (Rector of “Henri Coandă” Air Force Academy)

**10:20 - 11:40 PLENARY LECTURES - Marble Hall, Officers’ Club**

Cdr **Beth KITCHEN** (UK Defence Attaché, Bucharest, Romania)

Assoc Prof **Raluca VIMAN-MILLER** (University of North Georgia, Gainesville, NG, United States of America)

Assoc Prof **Ana-Maria Andreea SZILAGYI** (National University of Science and Technology Politehnica/ Romanian Counselors Association ACROM, Bucharest, Romania)

**11:40 - 12:00 Group Photo**

**12:00 - 13:30 PARALLEL PANELS, “Henri Coandă” Air Force Academy (F.E. 2.4, 2.5, 2.10, 2.11, 3.4)**

**13:30 - 14:30 Lunch Break/ Officers’ Dining Facility**

**13:30 - 17:30 Meeting of Career Counseling and Guidance Centers/ “Henri Coandă” Air Force Academy (F.E. 3.11)**

**14:30 - 16:00 PARALLEL PANELS, “Henri Coandă” Air Force Academy (F.E. 2.4, 2.5, 2.10, 2.11, 3.4)**

**16:15 - 17:30 PARALLEL PANELS, “Henri Coandă” Air Force Academy (F.E. 2.4, 2.5, 2.10, 2.11, 3.4)**

**18:00 - 23:00 Conference Dinner, The Columns Hall, Officers’ Club**

**Saturday, 23<sup>th</sup> May, 2026**

**10:00 - 12:00 Hybrid Threats Debate Forum, “Henri Coandă” Air Force Academy, F.E. 2.10**

**12:00 Departure of participants**

# Redefining Community in Intercultural Context RCIC'26

## Cognitive Warfare & Resilience

### RCIC '26 CONFERENCE PROGRAMME

**Friday, 22<sup>nd</sup> May, 2026 12:00-13:30**

COGNITIVE WARFARE & RESILIENCE / ROOM F.E.2-10	NARRATIVE ANALYSIS/ DISCOURSE ANALYSIS ROOM F.E.2-11
<p><b>Chair: Ioana LEUCEA</b></p> <ol style="list-style-type: none"> <li><b>Ancuța RUSU</b> ("Henri Coandă" Air Force Academy, Braşov) – Critical Thinking and Societal Resilience - Conceptual to Particular Frameworks</li> <li><b>Răzvan-Lucian ANDRONIC</b> ("Henri Coandă" Air Force Academy, Braşov) – Military Psychology in the Age of Hybridity</li> <li><b>Dimo IVANOV</b> (Rakovski National Defence College) – From Failed Socialization to Cognitive Resilience: Educational and Social Strategies for Countering Radicalization in Intercultural Contexts</li> <li><b>Ioana LEUCEA</b> ("Mihai Viteazul" National Intelligence Academy, Bucharest) – Fake-democracy: The Unseen Face of Democracy</li> </ol>	<p><b>Chairs: Daniela NAGY</b></p> <ol style="list-style-type: none"> <li><b>Tania MORARU-ZAMFIR</b> ("Henri Coandă" Air Force Academy, Braşov) – On the Interpretation of Idiomatic Expressions. A Military English Corpus-based Study</li> <li><b>Raluca LEVONIAN</b> (Ovidius University, Constanța) – Personal Experience Narratives and Identity Construction: The Case of Media Interviews on Religious Topics</li> <li><b>Virgil BORCAN</b> ("Transilvania" University of Braşov) – The Relationship between Power and Culture during the Reign of Louis XIV</li> <li><b>Daniela NAGY</b> ("Henri Coandă" Air Force Academy, Braşov) – Standardized Military English and its Role in Building Cognitive Resilience in Multinational Forces</li> </ol>

**Friday, 22<sup>nd</sup> May, 2026 14:30-16:00**

INTERCULTURAL COMMUNICATION/ ROOM F.E.2-10	INTERCULTURAL COMMUNICATION/ ROOM F.E.2-11
<p><b>Chair: Răzvan ANDRONIC</b></p> <ol style="list-style-type: none"> <li><b>Cosmina NECULCEA</b> ("Henri Coandă" Air Force Academy, Braşov) – Security Culture. The Key to Fighting Cognitive Warfare</li> <li><b>Angela Karina AVĂDĂNEI</b> ("Henri Coandă" Air Force Academy, Braşov) – Cognitive Warfare: A Conceptual Reframing of Psychological Warfare?</li> <li><b>Iasmina-Georgiana SAUCIUC</b> ("Mihai Viteazul" National Intelligence Academy, Bucharest) – Operational Neuroscience and Skill Decay in the Activity of Intelligence Officers: Implications for Maintaining Cognitive Performance and Decision-Making</li> <li><b>Adrian LESENCIUC</b> ("Henri Coandă" Air Force Academy, Braşov) – Narrative-led Military Operations. Recontextualization, Reinterpretation, Rewriting</li> </ol>	<p><b>Chairs: Aura CODREANU</b></p> <ol style="list-style-type: none"> <li><b>Gabriel BARBU</b> ("Virgil Madgearu" Economic College, Bucharest) – Historic Literacy and Cognitive Resilience in Contemporary Information Environments</li> <li><b>Carmen FLORESCU</b> (County Centre for Resources and Educational Assistance, Braşov) – PAL LAB - A Project that Provides Communication Skills and Intercultural Communication for Teachers Working in Schools with Roma Students</li> <li><b>Aura CODREANU</b> (Regional Department of Defence Resources Management Studies, Braşov) – Restoration of Integrity in Ethically Eroded Organizations from Regulatory Compliance to Moral Commitment</li> </ol>

**Saturday, 23<sup>th</sup> May, 2026 10:00-12:00**

**Hybrid Threats Debate Forum, "Henri Coandă" Air Force Academy, F.E. 2.10**

The 27<sup>th</sup> Edition of the International Conference AFASES, 2026  
*Scientific Research and Education in the Air Force*  
**AFASES 2026 CONFERENCE PROGRAMME**

**Friday, 22<sup>nd</sup> May, 2026 12:00-13:30**

MILITARY SCIENCES / ROOM F.E.2-4	HUMANITIES & SOCIAL SCIENCES / ROOM F.E.2-5	AERONAUTICAL AND ATMOSPHERIC SCIENCES [I] / ROOM F.E.3-4
<p><b>Chair: Bogdan CHIOSEAU</b></p> <p><b>1. Bogdan ANDRIEȘ</b> (“Henri Coandă” Air Force Academy, Brașov) – Balanced Scorecard (BSC-GOV) Applied to Central Logistics Structures within the Air Force, Aimed at Determining their Readiness Level for Deployment in International Operational Theaters</p> <p><b>2. Cătălin BAIU</b> (“Henri Coandă” Air Force Academy, Brașov) – Fear of Death Among Military Personnel</p> <p><b>3. Cătălin BAIU, Daniel ȘTEFĂNESCU</b> (“Henri Coandă” Air Force Academy, Brașov) – The Architecture of Ambiguity. Elements And Evolution Of Russian Hybrid Warfare In Ukraine</p> <p><b>4. Bogdan CHIOSEAU</b> (“Henri Coandă” Air Force Academy, Brașov) – Air Power in the Age of Drones and Artificial Intelligence</p>	<p><b>Chair: Mihaela GURANDA</b></p> <p><b>1. Georgiana CORCACI</b> (“Petre Andrei” University of Iasi – Human Behavior in Digital Environments: An Integrative Cyberpsychology Perspective on Identity, Cognition and Social Interaction</p> <p><b>2. Ruslana GROSU, Parascovia VACARU</b> (“Alexandru cel Bun” Military Academy, Chisinau, Republic of Moldova) - Security Culture Between Theoretical Construct and Operational Category: Epistemological Delimitations and Clarifications</p> <p><b>3. Beatrix FRIEDL</b> (SCPP Friedl) – Psychodrama for Teenage Anxiety</p> <p><b>4. Eryk MARCHLEWSKI</b> (Military University of Technology, Warsaw, Poland) – Pre-2022 EU Counter-Disinformation Policy: Strengths, Gaps and POST-LLM Relevance</p> <p><b>5. Valya TSVETANOVA</b> (“Georgi Benkovski” Air Force Academy, Dolna Mitropolia, Bulgaria) – Frame Activation without Context: A Cognitive Approach to Aviation English Terms</p> <p><b>6. Ruslana GROSU, Cătălin-Victor POPESCU</b> (“Alexandru cel Bun” Military Academy, Chisinau, Republic of Moldova) - Cognitive Resilience as a New Dimension of European Union Security: Conceptual Delimitations and Epistemological Foundations</p>	<p><b>Chair: Ionică CÎRCIU</b></p> <p><b>1. Cornel ARAMĂ</b> (“Henri Coandă” Air Force Academy, Brașov) – Impact of Pre-Combustion Treatment Technologies by Fumigation (P-CTTF) on Internal Combustion Engine (ICE) Decarbonization Efficiency and Pollutant Emission Reduction</p> <p><b>2. Andrei BENCZE</b> (Transilvania University of Brasov) – Aeronautical Drones: Current Status and Trends</p> <p><b>3. Andrei BENCZE</b> (Transilvania University of Brasov) – Study on Reducing Vibration in the Secondary Structure of an Aircraft</p> <p><b>4. Liviu BUCUR, Cristina LUPULEASA</b> (“Henri Coandă” Air Force Academy, Brașov) – Geometric Modeling and Aerodynamic Analysis of the RR Lentus Motor Glider</p> <p><b>5. Stefan Dorian CĂTĂLIN, George-Razvan BUICAN</b> Transilvania University of Brasov) – A Circular Economy-Based Modular Test Bench for Propeller Motor Calibration</p>

Friday, 22<sup>nd</sup> May, 2026 14:30-16:00

MILITARY SCIENCES / ROOM F.E.2-4	ENGINEERING AND APPLIED SCIENCES / ROOM F.E.2-5	AERONAUTICAL AND ATMOSPHERIC SCIENCES [II] / ROOM F.E.3-4
<p><b>Chair: Marius MILANDRU</b></p> <p><b>1. Marius MILANDRU</b> (“Henri Coandă” Air Force Academy, Braşov) – Fundamental Aspects Regarding National Critical Infrastructure</p> <p><b>2. Ana Simona TĂTULESCU, George Adrian AIONESEI</b> (“Henri Coandă” Air Force Academy, Braşov) – Security and Globalization in the Contemporary International Environment and their Implications for Romania’s National Security</p> <p><b>3. Cezar VASILESCU</b> (Regional Department of Defense Resources Management Studies, 'Carol I' National Defense Academy, Brasov) - Beyond the Battlefield: Clausewitzian Strategic Logic as a Framework for Understanding Cognitive and Hybrid Warfare in the European Security Environment</p>	<p><b>Chair: Liviu GĂINĂ</b></p> <p><b>1. Andrei-Cătălin CARAGEA</b> (Transilvania University of Brasov) – Numerical Simulation Analysis of the Impact of Sprinkler Systems on the Evacuation Process in Production Facilities</p> <p><b>2. Andrei-Cătălin CARAGEA</b> (Transilvania University of Brasov) – Rationale for the Use of UAV Systems in the Management of Major Industrial Fires through Fluid Dynamics Modeling</p> <p><b>3. Liviu GĂINĂ</b> (“Henri Coandă” Air Force Academy, Braşov) – MAES: A Deployable Energy Laboratory for Air Force Education, Research and Tactical Power Resilience</p> <p><b>4. Yordan KATSAROV</b> (“Georgi Benkovski” Bulgarian Air Force Academy) – Radiation-Resistant Ceramics for Compact Nuclear Ramjets</p>	<p><b>Chair: Cornel ARAMĂ</b></p> <p><b>1. Ionică CÎRCIU</b> (“Henri Coandă” Air Force Academy, Braşov) – Thermotechnical Processes Applied to Aviation Missiles</p> <p><b>2. Mihai DEAS, Bianca CALIMAN</b> (“Henri Coandă” Air Force Academy, Braşov) – Considerations on Assessing the Compliance of the Infrastructure of "Alexandru Podgoreanu" Tuzla International Aerodrome with Aeronautical Safety Standards using the Falcony Digital Platform</p> <p><b>3. Viorel ILIE, Dragos PAVEL</b> (“Alexandru Ioan Cuza” Police Academy, Bucharest) – Improving UAVs Efficiency used in Highrise Building Fires</p> <p><b>4. Andrei Mihai LUCHIAN</b> (Special Telecommunications Service, Bucharest) – Airport Delay Prediction using Public Operational and Weather Features: A Machine Learning Case Study</p> <p><b>5. Eduard MIHAI</b> (“Henri Coandă” Air Force Academy, Braşov) – The Future of Air Navigation in the Context of Evolving Artificial Intelligence</p>

**Friday, 22<sup>nd</sup> May, 2026 16:15-17:30**

ENGINEERING AND APPLIED SCIENCES / HISTORY OF MILITARY SCIENCES ROOM F.E.2-5	AERONAUTICAL AND ATMOSPHERIC SCIENCES [III] / ROOM F.E.3-4
<p style="text-align: center;"><b>Chair: Tiberiu TĂNASE</b></p> <p><b>1. Mihai-Alin MECLEA, Ioan BALAN</b> (“Henri Coandă” Air Force Academy, Braşov) – Renewable Energy Solutions for Powering Military Radar Systems using Photovoltaic Technology</p> <p><b>2. Livia SÂNGEORZAN, Roxana Elena BRĂNESCU, Claudia CÂRSTEA, Nicoleta ENACHE-DAVID</b> (Transilvania University, Brasov) – Intelligent Educational Platform: Full-Stack Architecture and Adaptive Pedagogical Model</p> <p><b>3. Fiodor TIMERCAN</b> (“Alexandru cel Bun” Military Academy, Chisinau, Republic of Moldova) - Quantitative Approaches to Information Security Assurance in Military Computer Networks</p> <p><b>4. Adriana NIŢESCU, Tiberiu TĂNASE</b> (CRIFST) - Dual-Use Technologies and Cybersecurity Challenges in the Current Military Defense Environment</p> <p><b>5. Tiberiu TĂNASE, Traian OSTAHIE</b> (CRIFST) - Military Counterintelligence. Their Role and Importance</p>	<p style="text-align: center;"><b>Chair: Vasile PRISACARIU</b></p> <p><b>1. Vasile PRISACARIU</b> (“Henri Coandă” Air Force Academy, Braşov) – Educational Approaches to Experimental Aerodynamics with Open-Flow Subsonic Wind Tunnels</p> <p><b>2. Vasile PRISACARIU</b> (“Henri Coandă” Air Force Academy, Braşov) – Open Flow Subsonic Wind Tunnel Testing</p> <p><b>3. Adrian PITICAR</b> (“Henri Coandă” Air Force Academy, Braşov) – Long-term heat wave trends in Braşov identified using Climpect</p> <p><b>4. Stefan Cristian CODREANU, Rares Alexandru SOCEA, George-Razvan BUICAN</b> (Transilvania University of Brasov) – Aspects Regarding the Development of an Atmospheric Ionic Propulsion Prototype using Additive Manufacturing Techniques</p>

**Friday, 22<sup>nd</sup> May, 2026 13:30-17:30**

ÎNTÂLNIREA CENTRELOR DE CONSILIERE ŞI ORIENTARE ÎN CARIERĂ (CCOC) DIN MEDIUL CIVIL ŞI MILITAR / ROOM F.E.3-11	
<p><b>1. Voichita TEBEANU</b> (Universitatea Națională de Știință și Tehnologie Politehnica București) - Centrul de consiliere, ca spațiu de conexiune în ecosistemul universitar. Cum construim colaborări mai bune între centre și facultăți, pentru un impact real în campus și în comunitate</p> <p><b>2. Ana-Maria CAZAN</b> (Universitatea Transilvania din Braşov) - Adaptarea academică a studenților angajați: Rolul interacțiunii dintre cerințe și resurse</p>	<p><b>3. Camelia STĂICULESCU</b> (Academia de Studii Economice din București) - Cerere și ofertă de servicii de consiliere a studenților</p> <p><b>4. Alina Oana BOTA, Ioana Georgiana MĂRĂCINEANU</b> (Universitatea Transilvania din Braşov) - Cum este în papucii studentului de anul I? Bariere invizibile și intervenții concrete în mediul universitar</p>