



**„HENRI COANDĂ”  
AIR FORCE ACADEMY**



**ROMANIA**

**„GENERAL M. R. STEFANIK”  
ARMED FORCES ACADEMY**



**SLOVAK REPUBLIC**

# CONFERENCE GUIDE

## AFASES 2012

**THE 14-th INTERNATIONAL CONFERENCE**

**24 – 26 May, 2012  
Brasov-ROMANIA**

# ***CONFERENCE AGENDA***

## **Thursday 24 May 2012**

16 <sup>00</sup> - 18 <sup>30</sup>	Arrival of participants. Check-in
19 <sup>00</sup> - 22 <sup>00</sup>	Ice Breaker Evening

## **Friday 25 May 2012**

08 <sup>00</sup> - 09 <sup>00</sup>	Conference Registration
09 <sup>00</sup> - 10 <sup>20</sup>	Plenary session
10 <sup>20</sup> - 10 <sup>30</sup>	Official Photo Session
10 <sup>30</sup> - 11 <sup>00</sup>	UAV Static & Flight Demonstration
11 <sup>00</sup> - 14 <sup>30</sup>	Session section and workshops (I)
14 <sup>30</sup> - 15 <sup>30</sup>	Lunch Break
15 <sup>30</sup> - 19 <sup>00</sup>	Session section and workshops (II)
20 <sup>00</sup>	Conference dinner

## **Saturday 26 May 2012**

9 <sup>00</sup> - 14 <sup>00</sup>	Sightseeing activities
14 <sup>45</sup> - 23 <sup>00</sup>	Check-out Departure of participants

## ***THE SESSIONS SECTIONS***

		<b>Room</b>	<b>Pag.</b>
<b>1</b>	<b><i>MANAGEMENT, MARKETING, FINANCE</i></b>	<b>E78</b>	<b>8</b>
<b>2</b>	<b><i>SOCIO AND HUMANITIES</i></b>		<b>14</b>
<b>2.1</b>	<b>Panel 1</b>	<b>E72</b>	<b>15</b>
<b>2.2</b>	<b>Panel 2</b>	<b>E73</b>	<b>16</b>
<b>2.3</b>	<b>Panel 3</b>	<b>E72</b>	<b>20</b>
<b>3</b>	<b><i>MATHEMATICS, COMPUTER SCIENCE, IT&amp;C</i></b>	<b>E44</b>	<b>22</b>
<b>4</b>	<b><i>ENGINEERING SCIENCES</i></b>		<b>26</b>
<b>4.1</b>	<b>Electrical and electronical engineering</b>	<b>E10</b>	<b>27</b>
<b>4.2</b>	<b>Mechanical engineering. Matherials and technology</b>	<b>E31</b>	<b>28</b>
<b>4.3</b>	<b>Renewable energy and environment</b>	<b>E10</b>	<b>32</b>
<b>5</b>	<b><i>AIR FORCE</i></b>	<b>E5</b>	<b>34</b>
<b>6</b>	<b><i>DEVELOPMENTS IN THE FIELD OF UAS's</i></b>	<b>E5</b>	<b>38</b>

# ***INTERNATIONAL SCIENTIFIC COMMITTEE***

## ***Presidents ship:***

Cdr Prof. **Gabriel-Florin MOISESCU**, PhD

Doc Ing **Pavel NEČAS**, PhD

## ***Members:***

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Col Prof Eng **Cristian BARBU**, PhD

Col Eng **Miroslav BAUER**, PhD

Cdr Prof Eng **Ghiță BĂRSAN**, PhD

Prof **Dorin BOCU**, PhD

**Alenka BROWN-VANHOOPER**, PhD

Cdr Prof **Vasile BUCINCHI**, PhD

Assoc.Prof. Dipl.Eng. **Pavel BUCKA** PhD

Prof Eng **Gavrila CALEFARIU**, PhD

Assoc Prof Math **Sergiu CATARANCIUC**, PhD

Prof **Cristina CISMASIU**, PhD

Prof Eng **Ioan CURTU**, PhD

Assoc Prof **Aurel Ion CLINCIU**, PhD

Prof **Philippe DONDON**, PhD

Prof **Finn FORSUND**, PhD

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Prof **Lennart HJALMARSSON**, PhD

Prof **Sergiu IVANOV**, PhD

Prof **James KEAGLE**, PhD

Prof **Marcela LUCA**, PhD

Assoc Prof **Doru LUCULESCU**, PhD

CS1 Eng **Catalin NAE**, PhD,  
Prof Eng **Vasile NĂSTĂSESCU**, PhD  
Prof **Stefan NEDELCU**, PhD  
Col Prof Eng **Ioan NICOLARESCU**, PhD  
Prof **Ilie NUCA**, PhD  
Prof Eng **Adrian OLARU**, PhD  
General (r) Prof **Mihai ORZEATA**, PhD  
Prof **Marian PEARSICA**, PhD  
Prof **Philippe PERROT**, PhD  
Col Prof Eng **Toma PLESEANU**, PhD  
Prof Eng **Gabriela PRELIPCEAN**, PhD  
Prof **Mihai ROMAN**, PhD  
Prof **Daniela ROSCA**, PhD  
Cdr Prof **C-tin ROTARU**, PhD  
Cdr Prof Eng **Gheorghe SAMOILESCU**, PhD  
**Asher SHAFRIR**, PhD  
Prof Math **Florentin SMARANDACHE**, PhD  
Prof Eng **Milan SOPOCI**, PhD  
Assoc Prof **Lavinia STAN**, PhD  
Col Prof **Leontin STANCIU**, PhD  
Prof **Stelian STANCU**, PhD  
Col. Prof **Robert SZABOLCSI**, PhD  
Prof Eng **Alex STEFAN**, PhD  
Prof Eng **Luige VLADAREANU**, Ph  
BG(ret) Prof Eng **Rudolf URBAN**, PhD  
Prof **Joseph ZARKA**, PhD

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### ***Chairman:***

Cdr Prof Eng **Mircea BOSCOIANU**, PhD

### ***Vice-chairman:***

Assoc Prof Eng **Lavinia GAVRILA**, PhD

### ***Members:***

Assoc Prof **Daniela BELU**, PhD

LTC Lecturer Eng **Laurian GHERMAN**, PhD

Lecturer Eng **Liliana MIRON**, PhD

LTC Eng **Vasile SANDRU**

Lecturer **Mihaela GURANDA**, PhD

TA **Gheorghe RADU**, PhD

Capt Eng **Cornel ARAMA**, PhD

TA Math **Bogdan MUNTEANU**

Capt TA **Cosmina DRAGHICI**

TA Capt **Catalin CIOACA**

Math **Carmen URSOIU**

# ***PLENARY SESSIONS***

## **AUDITORIUM**

**Speaker: Cdr Prof Gabriel Florin MOISESCU, PhD**

Rector of “Henri Coanda” Air Force Academy, Brasov, Romania

**Speaker: Doc Ing Pavel NEČAS, PhD**

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

**Speaker: Prof Marian POPA, PhD**

University of Bucharest, Romania

**Speaker: Gabriel CHICIOREANU**

ACROM- Romanian Counselors Association

**Speaker: Prof Eng Adrian OLARU, PhD**

University Politehnica of Bucharest, Romania

**Speaker: Melih Cemal KUSHAN**

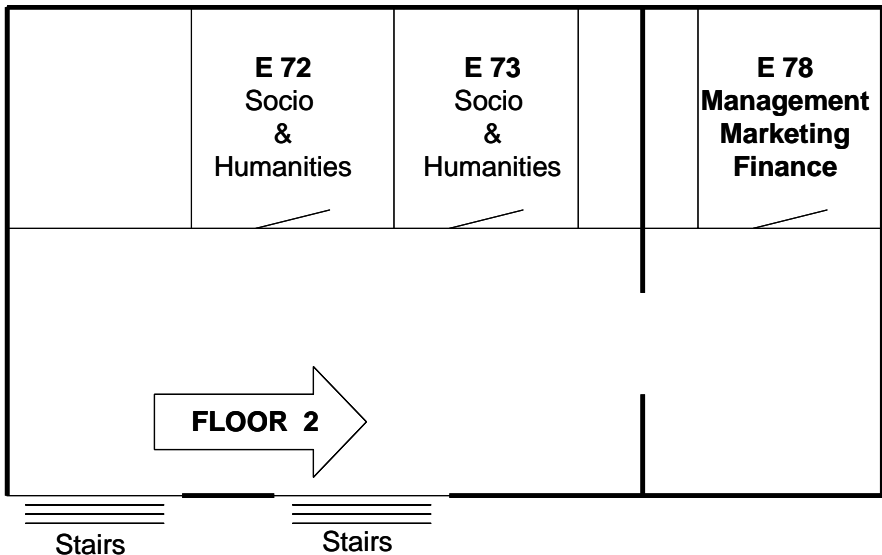
Faculty of Engineering and Architecture, Eskisehir Osmangazi  
University, Eskisehir , Turkey

*„THE RELATIONSHIP BETWEEN THE UAV FLEET OF EUROPEAN  
COUNTRIES AND THEIR GEOPOLITICAL POSITION”*



# 1. *MANAGEMENT, MARKETING, FINANCE*

## Room E78



## **MODERATORI:**

- **Stelian STANCU**
- **Viera FRIANOVA**
- **Stanislav MORONG**
- **Diana Ramona SANDU**

*T&A Agency*

1. **Taninna AIT ALI SILMANE**  
Manhattan Institute of Management, New York, USA

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*CHILDREN'S OBESITY IN THE UNITED STATES AND THE ACTIONS OF THE MEDIA.*
2. **Mathilde BERNADAC, Assha GHORI, Julie CANNENTERRE, Nicole MOU, Solinda MOUL**  
Manhattan Institute of Management, New York, USA

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*HOW DO COMPANIES INNOVATE AND ATTRACT CONSUMERS THROUGH EXPERIENTIAL MARKETING?*
3. **Julie CANNENTERRE, Nicole MOU, Solinda MOUL, Mathilde BERNADAC, Assha GHOR**  
Manhattan Institute of Management, New York, USA

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*INCREASING EFFICIENCY CUSTOMER SERVICE BY LOGISTICS MANAGEMENT OPTIMIZATION*
4. **Jeanina CIRCO (STANCU), Nouras Barbu LUPULESCU**  
Faculty of Engineering Technology and Industrial Management, Transilvania University of Brasov, Brasov, Romania

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*LOGISTICS OPERATIONS AND TEORETICAL CONCEPTS-IDENTIFY SPHERES OF IMPROVEMENT AND AMELIORATED MANAGEMENT*
5. **Jeanina CIRCO (STANCU)**  
Faculty of Engineering Technology and Industrial Management, Transilvania University of Brasov, Brasov, Romania

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*ASPECTS ABOUT INSSURANCE MARKET EVOLUTION IN THE EUROPEAN UNION. CASE STUDY: BELGIUM, HUNGARY AND ROMANIA*
6. **Gherasim SOLOVESTRU DOMIDE\*, Alexandru DOMIDE \*\*, Octavia DOMIDE \*\*\***  
\* Academy of Economic Studies, Bucharest, Romania, \*\* EPHEC, Bruxelles, Belgium \*\*\* Rocredit Broker de Asigurare SRL, Baia Mare, Romania

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*HOLIDAY EFFECTS DURING QUIET AND TURBULENT TIMES*
7. **Ramona DUMITRIU, Razvan STEFANESCU, Costel NISTOR**  
Faculty of Economics and Business Administration, University "Dunarea de Jos", Galati, Romania

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*ACTORS INVOLVED IN PROJECT MANAGEMENT*

**8. Vasile DUMITRU**

„Spiru Haret” University, Brasov, Romania

---

*OPERATION RESEARCH IN THE DECISION MAKING PROCESS  
AND LOGISTIC SUPPORT PLANNING*

**9. Tomáš DVORÁK, Petra KVAPILOVÁ**

Department of Logistics, University of Defence, Brno, Czech Republic

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*ROMANIAN ECONOMIC DEVELOPMENT INDICATORS IN FRONT  
OF THE FIGHT WITH ECONOMIC CRISIS*

**10. Constanta ENEA, Constantin ENEA**

„Constantin Brancusi” University of Targu-Jiu Romania

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*EFFECTS OF FINANCIAL CRISIS ON EUROPEAN STATES. THE  
CASE OF ROMANIA*

**11. Constanta ENEA, Constantin ENEA**

„Constantin Brancusi” University of Targu-Jiu, Romania,

---

*INTERNAL/MANAGERIAL CONTROL – SUBJECT OF THE PUBLIC  
INTERNAL AUDIT*

**12. Sebastian FLOȘTOIU**

„Alexandru Ioan Cuza” University of Iași, România

---

*TOOLS AND TECHNIQUES USED FOR PERFORMANCE  
EVALUATION OF REVERSE LOGISTICS SYSTEMS*

**13. Adriana FOTA, Adela Eliza DUMITRASCU,  
Sorin Adrian BARABAS, Flavius Aurelian SARBU**

Faculty of Technological Engineering and Industrial Management,  
Transilvania University of Brasov, Brasov, Romania

---

*TRAINING AS AN IMPORTANT PREREQUISITE FOR THE  
EFFECTIVE SOLUTION OF CRISIS SITUATION*

**14. Viera FRIANOVÁ**

Department of Management, Armed Forces Academy of General M. R.  
Štefánik in Liptovský Mikuláš, the Slovak Republic

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*A MILITARY APPLICATION OF HUMAN CAPITAL MANAGEMENT:  
MILITARY PILOT TURNOVER*

**15. Zeki GULTEKIN, Engin ABDAN, Y. Selim KILIC**

Turkish Air Force Command and Staff College, Istanbul, TURKEY

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*THEORETICAL CONSIDERATIONS ON THE PRIVATIZATION  
PROCESS IN ROMANIA*

**16. Dan HAGEANU**

Alma Mater University, Sibiu

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17. *MANAGERIAL LEADERSHIP FROM THE PERSPECTIVE OF ENVIRONMENT ORGANIZATIONAL SPORTS*  
**Dorin IANCU, Robert DOBRE, Marius PIȚURLEA**  
Faculty of Economics, University of Valahia, Targoviste, Romania
- 
18. *MILITARY – POLITICAL CONNECTIONS TO FOOD SECURITY*  
**Stanislav MORONG, Jaroslav NEKORANEC**  
Armed Forces Academy of General Milan Rastislav Štefánik, Liptovský Mikuláš, Slovak Republic,
- 
19. *RESEARCH PROJECT “JP MORGAN CHASE & CO”*  
**Johnny MOUSSA, Luc EPOUHE, Collange ROMAIN**  
Manhattan Institute of Management, New York, USA
- 
20. *CURRENT STATUS OF THE IMPLEMENTATION OF HUMAN RESOURCE MANAGEMENT IN TERMS OF THE ARMED FORCES OF THE SLOVAK REPUBLIC*  
**Jaroslav NEKORANEC\*, Katarína STOLÁRIKOVÁ\*\***  
\* Department of Management, Armed Forces Academy of General Milan Rastislav Štefánik in Liptovský Mikuláš, \*\* Security and Defence Department, Armed Forces Academy of General Milan Rastislav Štefánik in Liptovský Mikuláš
- 
21. *RESEARCH ON THE EFFECTIVENESS AND EFFICIENCY IN QUALITY MANAGEMENT*  
**Adrian NICULESCU\*, Radu IOVANAS\*\***  
\* Romania Draexlmaier Electric Systems Company Ltd.  
\*\*Scientific Coordinator, Transylvania University, Brasov
- 
22. *ORGANIZATIONAL CHANGE MANAGEMENT. A CULTURAL APPROACH*  
**Cristian ODAGIU, Marius PIȚURLEA**  
Doctoral School, VALAHIA University of Târgoviște, România
- 
23. *ASPECTS REGARDING THE INSURANCE DECISION OF THE INDUSTRIAL PRODUCTION COMPANIES AGAINST EXTREME EVENTS*  
**Florin Cătălin OLTEANU, Gavrilă CALEFARIU, Cătălin CIOACĂ**  
Department of Technological Engineering and Industrial Management, ”Transilvania” University of Brașov, Romania
- 
24. *EDUCATIONAL MANAGEMENT, A NEW PARADIGM IN SOCIAL DEVELOPMENT*  
**Marius PIȚURLEA, Danuț CĂLDĂRARU, Dorin IANCU**  
Doctoral School, VALAHIA University of Târgoviște, România

*COMPUTER ASSISTED LEAN PRODUCTION MANAGEMENT*

25. **Luminița POPA \***, **Marian ȚEPURU\*\***

\* Faculty of Electrical Engineering and Computer Science, Transilvania, Braşov, România , \*\* S.C. Stabilus, România S.R.L. Braşov, România

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*NEW TRENDS IN HUMAN RESOURCE MANAGEMENT*

*IN THE HOSPITALITY INDUSTRY*

26. **Constanța POPESCU, Dana – Mădălina AVRAM (RAȚIU)**

Valahia University, Târgoviște, Romania

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*CONFLICT - A PERMANENT COORDINATE OF EXISTENCE*

27. **Constanța POPESCU, Liviu VASILESCU**

Valahia University, Târgoviște, Romania

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*COMMUNICATION IMPLIED BY THE PROJECT MANAGEMENT*

28. **Constantin POSEA**

”Spiru Haret” University, Brasov

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*PARTICULARITIES OF RISK IN THE CASE OF EXTREME EVENTS*

29. **Gabriela PRELIPCEAN\*\*, Stelian STANCU\***,

- Gheorghe Ion ROȘCA\***, **Mariana LUPAN\*\***

\*Academy of Economic Studies, Bucharest, ROMANIA,

\*\* Ștefan cel Mare University of Suceava, Suceava, ROMANIA

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*CHARACTERISTICS OF EXTREMELY ASYMMETRIC RISK*

30. **Gabriela PRELIPCEAN\*\*, Stelian STANCU\***,

- Gheorghe Ion ROȘCA\***, **Mariana LUPAN\*\***

\*Academy of Economic Studies, Bucharest, ROMANIA,

\*\* Ștefan cel Mare University of Suceava, Suceava, ROMANIA

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*THE DIVIDEND DISAPPEARING PHENOMENON – A*

*THEORETICAL APPROACH*

31. **Maria PRISACARIU \***, **Diana - Ramona SANDU \*\***

\* Faculty of Economics and Business Administration, Alexandru Ioan Cuza University, Iasi, Romania, \*\* Faculty of Economics and Business Administration, Alexandru Ioan Cuza University, Iasi, Romania

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*THEORETICAL ASPECTS OF MONETARY AND FINANCIAL CRISES.*

*SPIRAL OF LOSSES*

32. **Stelian STANCU, Nora Monica CHIRIȚĂ,**

**Alexandra Maria CONSTANTIN, Anca Domnica LUPU**

\*Academy of Economic Studies, Bucharest, ROMANIA

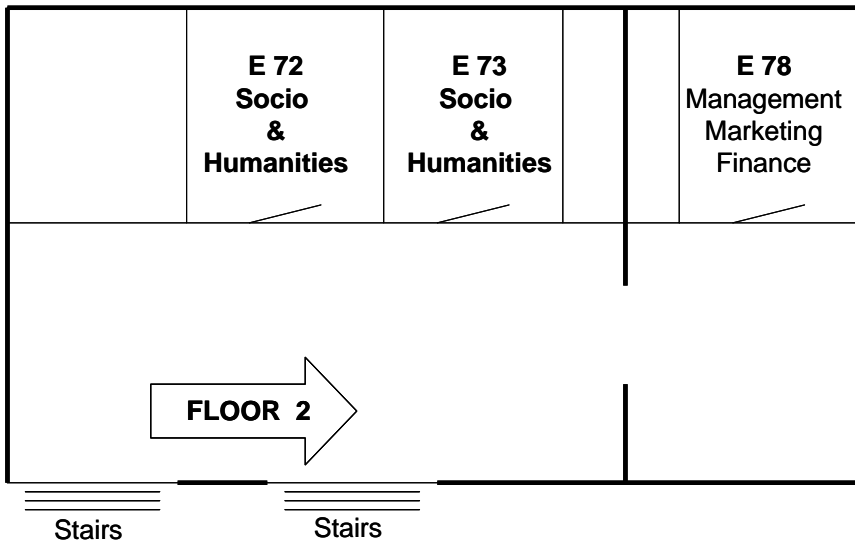
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*SOVEREIGN DEBT CRISIS THEORETICAL AND PRACTICAL ASPECTS*

- 33. Stelian STANCU, Anca Michaela ANDREI, Alexandra Maria CONSTANTIN, George Viorel VOINESCU**  
\*Academy of Economic Studies, Bucharest, ROMANIA
- 

- FINANCIAL CRISIS – MACRO AND MICROECONOMIC CONNOTATIONS. MEASURES OF COMING OUT OF CURRENT FINANCIAL CRISIS*
- 34. George Viorel VOINESCU, Stelian STANCU, Alexandra Maria CONSTANTIN, Anca Domnica LUPU**  
Academy of Economic Studies, Bucharest, ROMANIA
-

**2. SOCIO AND HUMANITIES**  
**Room E72, E73**



**MODERATORI:**

- **Marian POPA**
- **Mihaela OANCEA**

**Panel 1. Psychology of defense, public order and national security  
Psychology, transport and services**

*COMMUNITY REINTEGRATION OF ROMANIAN EX-OFFENDERS:  
MYTH OR REALITY?*

1. **Florin ANTONESCU\***, **Cristina DAMBOEANU\*\***  
\* Giurgiu Prison, Giurgiu, Romania, \*\* Institute of Sociology of  
Romanian Academy of Science, Bucharest, Romania
- 

*TRUST - AN INSTRUMENT FOR IMPROVEING HIERARCHIC  
COMMUNICATION*

2. **Viorela BUCUR**  
Institute for Public Order Studies, Bucharest, Romania
- 

*THE CULTURAL AWARENESS-A FANCY MILITARY TERM, OR A  
CRITICAL NECESSITY IN COUNTERINSURGENCY OPERATIONS?*

3. **Ecaterina Elena CEPOI**  
Department of International Relations and European Integration,  
National School Of Political And Administrative Studies, Bucharest,  
Romania
- 

*THE DEVELOPMENT OF THE HUMAN RESOURCES ABOARD  
SHIPS*

4. **Carmen Luminița COJOCARU**, **Naie Gilles OPRISAN**  
Civilian Naval Faculty, Naval Academy „Mircea cel Bătrân” Constanța,  
Romania
- 

*NEW CONCEPT OF SECURITY AND GENDER PERSPECTIVE*

5. **Mária MARTINSKÁ**, **Dušan MALÍK**  
Department of Social Sciences and Languages, The Armed Forces  
Academy of General Milan Rastislav Štefánik, Liptovský Mikuláš
- 

*THE SOLDIER OF THE ARMED FORCES OF THE SLOVAK  
REPUBLIC FOR THE 21st CENTURY*

6. **Jozef MATIS**, **Dušan MALÍK**  
Department of Social Sciences and Languages, The Armed Forces  
Academy of General Milan Rastislav Štefánik, Liptovský Mikuláš
- 

*PSYCHO-MOTIVATIONAL ASPECTS OF INMATES WITH A HISTORY  
OF DRUG USE*

7. **Ana Maria MUCIONIU**, **Florin Marian ANTONESCU**  
Giurgiu Prison, Romania
-



## **MODERATORI:**

- **Marcela Rodica LUCA**
- **Ioan DEAC**
- **Ion CLINCIU**
- **Doru DIMA**
- **Nicoleta LITOIU**
- **Delia BIRLE**

## **Panel 2. Educational Psychology, Counselling and Vocational School Clinical Psychology and psychotherapy Communication sciences**

### *TOWARDS POSITIVE INTERPERSONAL RELATIONSHIPS IN THE CLASSROOM*

1. **Adina BABONEA, Ana MUNTEANU**  
Faculty of Legal and Administrative Sciences, Brasov, ‘Spiru Haret’ University, Romania
- 

### *THE EFFICIENCY OF A TRAINING PROGRAM ON REDUCING CAREER DECISION-MAKING DIFFICULTIES*

2. **Delia BIRLE, Elena BONCHIS, Daniela ROMAN, Daniela CRISAN**  
Psychology Department, University of Oradea, Oradea, Romania
- 

### *MILITARY PSYCHOLOGICAL STUDIES IN ROMANIA IN THE EARLY TWENTIETH CENTURY: THE MAIN MOMENTS*

3. **Eugenia BÎRLEA**  
Library of the Romanian Academy, Cluj-Napoca Branch
- 

### *ASSESSING SELF REGULATED LEARNING: QUALITATIVE VS QUANTITATIVE RESEARCH METHODS*

4. **Ana-Maria CAZAN**  
Faculty of Psychology and Education Sciences, Transilvania University, Brasov, Romania
- 

### *I.T.C. TRAINING PROGRAM – CASE STUDY*

5. **Teodora Daniela CHICIOREANU\*, Nicoleta LITOIU\*\***  
\*Teacher Training Department, University Politehnica of Bucharest  
\*\* Director– Career Counselling and Orientation Centre, Polytechnic University of Bucharest
- 

### *INTERPERSONAL COMMUNICATION ABOARD SHIPS*

6. **Carmen Luminița COJOCARU, Naie Gilles OPRISAN**  
Civilian Naval Faculty, Naval Academy „Mircea cel Bătrân” Constanța, Romania
-

- DYNAMICS OF PERSONALITY IN CAREER CHOICES*
7. **Georgiana CORCACI**  
Department of Psychology, University "Petre Andrei" of Iasi, Romania
- 
- THE LIFE LONG LEARNING IN ROMANIA SCHOOL COUNSELOR. NEEDS AND PRIORITIES*
8. **Anice Gabriela DRAGOI**  
Centrul Municipiului Bucuresti de Resurse si Asistenta  
Educationala, Bucuresti, Romania
- 
- TEACHERS' LEADERSHIP STYLE IN THE CLASSROOM AND THEIR IMPACT UPON HIGH SCHOOL STUDENTS*
9. **Loredana DROBOT\***, **Monica ROȘU\*\***  
\*Faculty of Theology, Social and Educational Sciences, University  
"Eftimie Murgu" of Reșița, Romania \*\* Faculty of Economics,  
University "Eftimie Murgu" of Reșița, Romania
- 
- PREMISES FOR AN EFFICIENT SCHOOL ORIENTATION AND CAREER COUNSELLING*
10. **Loredana DROBOT\***, **Monica ROȘU\*\***  
\*Faculty of Theology, Social and Educational Sciences, University  
"Eftimie Murgu" of Reșița, Romania \*\* Faculty of Economics,  
University "Eftimie Murgu" of Reșița, Romania
- 
- PROFESSIONAL DEVELOPMENT OF ACADEMICS TEACHERS – REFLECTIONS ON PARTICIPATION IN TRAINING PROGRAMS*
11. **Nicoleta Verginica DUTA**  
*Faculty of Psychology and Educational Sciences, Teacher Training  
Department, University of Bucharest, Bucharest, Romania*
- 
- THE PROFESSIONAL INSERTION OF SOCIO-ECONOMIC MARGINALIZED GROUPS A SPECIFIC ROLE FOR THE CAREER COUNSELOR*
12. **Simona Magdalena HAINAGIU**  
Teacher Training and Social Sciences Department, POLITEHNICA  
University, Bucharest, Romania
- 
- THE INFLUENCE OF SELF EFFICACY IN MANAGING DEPRESSION IN HEMODIALYTIC PATIENTS A PROPOSITION OF AN ALTERNATIVE INTERVENTION MODEL*
13. **Simona Magdalena HAINAGIU**  
Teacher Training and Social Sciences Department, POLITEHNICA  
University, Bucharest, Romania
- 
- METACOGNITIVE TRAINING FOR AWARENESS OF READING STRATEGIES*
14. **Ramona HENTER**  
Faculty of Psychology and Educational Sciences, "Transilvania"  
University of Brasov, Brasov, Romania
-

*MANAGEMENT INFORMATION AND DIRECTIONS FOR SCHOOL DEVELOPMENT*

15.

**Felicia IUROAIA**

University "Petre Andrei" of Iasi, ROMANIA

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*THE NEED OF CAREER COUNSELLING IN UNIVERSITIES: A COMPETENCIES – BASED APPROACH*

16.

**Nicoleta LITOIU, Carmen Gabriela OPROIU**

Teacher Training Department, University Politehnica of Bucharest, Romania

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*WAYS OF DEVELOPING THE COMMUNICATION COMPETENCE IN THE INITIAL TEACHER TRAINING PROGRAM*

17.

**Flavia MALUREANU, Luiza ENACHI-VASLUIANU**

The Department for Teachers' Training, the Focșani Branch, Faculty of Psychology and Educational Studies, University of Bucharest, Focșani, Romania

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*ROMGLEZA – IN THE NAME OF GLOBALIZATION*

18.

**Ana MUNTEANU, Dorina LUPAN**

Faculty of Legal and Administrative Sciences, Brasov, 'Spiru Haret' University, Romania

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*SCHOOL TRAINING OF THE FUTURE UNIVERSITY PROFESSOR*

19.

**Simona Nicoleta NIȚĂ**

Teacher Training Department and Socio-Human Sciences, Politehnica University of Bucharest, Bucharest, Romania

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*UNIVERSITY TEACHING POSITION VIEWED ON THE PAST-PRESENT AXIS*

20.

**Simona Nicoleta NIȚĂ**

Teacher Training Department and Socio-Human Sciences, Politehnica University of Bucharest, Bucharest, Romania

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*USING VIRTUAL LEARNING ENVIRONMENTS IN ADULT EDUCATION*

21.

**Gabriela Carmen OPROIU, Teodora Daniela CHICIOREANU**

Teacher Training Department, University Politehnica of Bucharest, Romania

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*A MODEL OF ACTIVITY DESIGN IN GCDF TRAINING*

22.

**Ramona – Cristina PACHEF**

Teaching Personnel Training Department, POLITEHNICA University of Bucharest, Romania

---

*CONCEPTUAL IDENTITY OF NUTRITIONAL PSYCHOPEDAGOGY AS A SUBJECT OF UNIVERSITY STUDY*

23.

**Maria Dorina PASCA**

Univ. Medicine and Pharmacy Tg. Mures, Romania

---

*POETRY AND ART: RETHINKING SYMBOLISM AND  
IMPRESSIONISM ACCORDING TO SEMIOTIC INTERFERENCES*

**24. Oana-Andreea PIRNUTA, Anca BADULESCU**

Department of Literature and Cultural Studies - Faculty of Letters,  
TRANSILVANIA University of Brasov, Romania

---

*NARRATIVE WEAVING OF NATIVE AMERICAN VOICES IN "THE  
ANTELOPE WIFE"*

**25. Oana-Andreea PIRNUTA, Anca BADULESCU**

Department of Literature and Cultural Studies - Faculty of Letters,  
TRANSILVANIA University of Brasov, Romania

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*TEEN PREGNANCY. FACTORS. OPTIONS. CONSEQUENCES*

**26. Aurora SIMIGIU**

University of Bucharest, Romania

---

*THE MILITARY ORGANIZATION AND THE PROFESSIONAL STRESS*

**27. Marilena TICUȘAN , Elena HURJUI**

Department of Psychology and Pedagogy, Institution: Spiru Haret  
University, Brașov, Romania

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*THE OPTIMIZATION OF THE PERFORMANCE INSIDE THE  
MILITARY GROUP*

**28. Marilena TICUȘAN , Elena HURJUI**

Department of Psychology and Pedagogy, Institution: Spiru Haret  
University, Brașov, Romania

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*ATTITUDES TOWARDS INCLUSIVE EDUCATION – A QUALITATIVE  
META-ANALYSIS OF RECENT STUDIES*

**29. Ecaterina Maria UNIANU**

Faculty of Psychology and Educational Sciences

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**MODERATORI:**

- **Vintilă MIHĂILESCU**
- **Romulus OPRICĂ**
- **Mihail ANTON**
- **Liviu PLUGARU**

***Panel 3 socio-economic anthropology: everyday issues***

*INTERACTION AND CONFLICT IN 2009 ROMANIAN PRESIDENTIAL ELECTIONS. WATCHING THE DEBATES*

**1. Andreea Elena CÂRSTEA**

National School of Political Studies and Public Administration,  
Bucharest, Romania

---

*MAJOR CHANGES IN WOMEN HELD PSYCHOBEHAVIORAL*

**2. Lucian GHEORGHE \*, Carmen Mariana NEAGU\*\***

\*Mechanical Industrial and Maritime Engineering Faculty , Ovidius  
University, Constanta, Romania, \*\* Police County Inspectorate of  
Constanta

---

*THE STRONG HISTORY AND PROBLEMATIC FUTURE OF  
INTERGENERATIONAL EVERYDAY RELATIONS IN ROMANIA*

**3. Dragos Lucian IVAN**

The National School of Political Studies and Public Administration  
Bucharest

---

*NETWORKING ON A BIGGER SCALE*

**4. Romulus OPRICA**

National School for Political and Administrative Studies

---

*ROLE OF THE ANTHROPOLOGY IN THE ELABORATION OF THE  
RURAL DEVELOPMENT STRATEGY*

**5. Ileana SĂDEAN**

National School of Political and Administrative Studies - Bucharest,  
Romania

---

*THE RELIGIOUS FEELING AND MORAL VALUES. COMPARATIVE  
STUDIES*

**6. Mihaela SANDU \*, Gheorghe NADOLEANU \*\***

\*\*"Andrei Şaguna" University, Constanţa, Romania, \*\*\*Archiepiscopate  
Of Tomis, Constanţa, Romania

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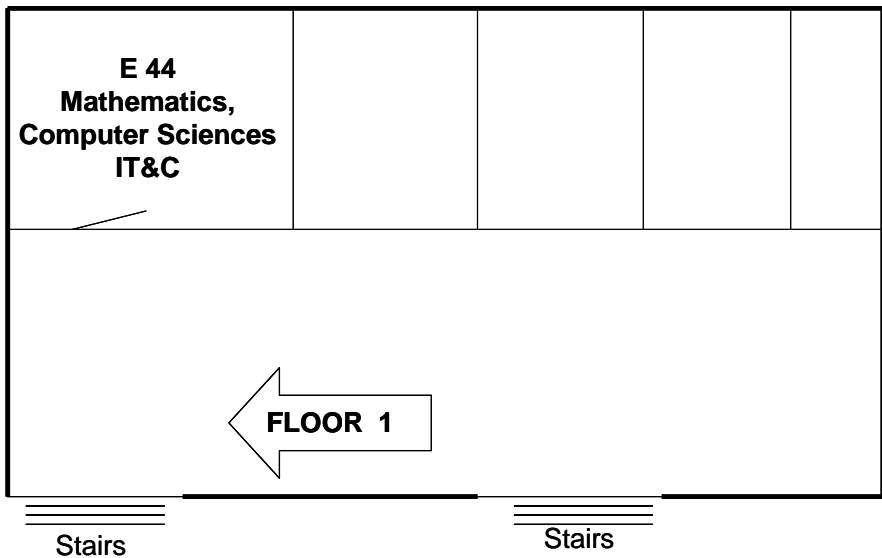
*CITIZENS RIGHT TO INFORMATION – BENEGICIARY OF  
ADMINISTRATIVE REFORM*

7. **Adrian Dumitru SOLOMON\***, **Gherasim Solovestru DOMIDE\*\***  
\*National School of Political and Administrative Studies, Bucharest,  
Romania \*\*Technical University Cluj-Napoca, North University Center,  
Baia Mare, Romania
- 

*POLICIES TO ENCOURAGE THE EMPLOYMENT OF PEOPLE WITH  
DISABILITIES: CASE OF ROMANIA*

8. **Razvan STEFANESCU**, **Ramona DUMITRIU**, **Costel NISTOR**  
Faculty of Economics and Business Administration, University “Dunarea  
de Jos”, Galati, Romania,
-

**3. MATHEMATICS, COMPUTER SCIENCE,  
IT&C  
Romm E44, E46**



**MODERATORI:**

- **Mircea LUPU**
- **Miroslav HRUBY**
- **Gheorghe RADU**

**INVITED PAPER**

*SOME NEW LIFETIME DISTRIBUTIONS AND CONNECTIONS BETWEEN THEM*

1.

**Alexei LEAHU**

“Ovidius” University of Constanța, Romania

---

**INVITED PAPER**

*THE BEHAVIOR OF THE SOLUTIONS OF A NONLINEAR DIFFERENCE EQUATION OF THE FORMULA*

2.

$$u_{n+1} = \frac{u_{n-k}}{\alpha + \sum_{i=0}^k u_{n-i}}, \quad n = 0, 1, \dots ; \text{ SOME NEW RESULTS}$$

**Gheorghe ANTON**

Associate to HCAFA of Brașov, Romania

---

*A MATHEMATICAL MODEL FOR COMPUTING THE TRAJECTORIES OF ROCKETS IN A RESISTANT MEDIUM TAKING INTO ACCOUNT THE EARTH'S ROTATION. THE SYSTEM OF DIFFERENTIAL EQUATIONS OF THE ROCKET'S TRAJECTORY*

3.

**Bogdan-Alexandru BELEGA**

Military Technical Academy, Bucharest, Romania

---

*COLORING OF THE SIMPLICIAL COMPLEX AND THE GRUNDY FUNCTION*

4.

**Sergiu CATARANCIUC**

Departement of Mathematics and Informatics, University State of Moldova, Chisinau, Republic of Moldova

---

*THE FIRST ORDER DERIVATIVE OF FUNCTION*

5.

**Mihaela DUMITRACHE, Camelia GHELDIU**

University of Pitesti, Pitești, Romania

---

*MATHEMATICAL MODELING AND THE STABILITY STUDY OF SOME CHEMICAL PHENOMENA*

6.

**Olivia FLOREA, Monica A.P. PURCARU**

Faculty of Mathematics and Computer Sciences, Transilvania University of Brașov, Romania

---



*MAX-STABLE DISTRIBUTION– part I*

7. **Cornelia GABER\***, **Maria STOICA\*\***  
\*PETROLEUM-GAS University of Ploiești, România, \*\*Nichita Stănescu – High School, 3 Nalbei, Ploiești, Romania
- 

*MAX-STABLE DISTRIBUTION– part II*

8. **Cornelia GABER\***, **Maria STOICA\*\***  
\*Petroleum-Gas University of Ploiești, România, \*\*Nichita Stănescu – High School, 3 Nalbei, Ploiești, Romania
- 

*USE OF RECONFIGURABLE CELLULAR AUTOMATA,  
IMPLEMENTED WITH FPGAs, IN CRYPTOGRAPHIC  
APPLICATIONS*

9. **Constantin GROZEA**, **Gheorghe GUIMAN**,  
**Daniel-Tiberius HRIȚCU**, **Ionuț RĂDOI**, **Florent-Mircea ROMAN**  
Military Equipment and Technologies Research Agency, Bucharest,  
Romania
- 

*METHODS FOR THE EVALUATION OF SPEECH ENHANCEMENT  
ALGORITHMS FROM SPEECH INTELLIGIBILITY POINT OF VIEW*

10. **Jaroslav HOVORKA**  
Mesit pristroje spol. s r.o., Uherske Hradiste, Czech republic
- 

*A FEW SUBPROBLEMS CONNECTED WITH INFORMATICS  
AND EDUCATION*

11. **Miroslav HRUBÝ**  
Faculty of Military Technology, University of Defence, Brno, the Czech  
Republic
- 

*ANALYTICS SOLUTIONS FOR TRICOMI PROBLEM REGARDING  
MIXED ELLIPTIC-HYPERBOLIC EQUATIONS. APPLICATIONS IN  
TRANSONIC AERODYNAMICS*

12. **Mircea LUPU\***, **Gheorghe RADU\*\***  
\*Faculty of Mathematics and Computer Science, “Transilvania”  
University, Brașov, România, corresponding member of the Academy of  
Romanian Scientists, \*\* Faculty of Aeronautical Management, “Henri  
Coandă” Air Force Academy, Brașov, România
- 

*AN ORIGINAL AMR ARCHITECTURE USING A PLC PROTOCOL*

13. **Codrin MALES**, **Valentin POPA**, **Alexandru LAVRIC**  
Stefan cel Mare University of Suceava, Romania
- 

*SCHWARZ METHOD FOR VARIATIONAL INEQUALITIES*

14. **Adriana PETRACHE**  
Faculty of Mathematics & Computer Science, University of Pitești,  
Pitești, Argeș, Romania
-

*OPTIMIZATION METHOD OF SIMPLEX ALGORITHM SOLUTION*

**15. Ioan POPOVICIU**

Naval Academy “Mircea cel Batran”, Constantza, Romania

---

*ON GENERAL CONFORMAL METRICAL N-LINEAR CONNECTIONS*

*ON DUAL BUNDLE OF K-TANGENT BUNDLE*

**16. Monica A.P. PURCARU, Mirela TÂRNOVEANU, Olivia FLOREA**

Faculty of Mathematics and Computer Sciences, Transilvania University of Braşov, Romania

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*FPGA - DISRUPTIVE TECHNOLOGIE FOR MILITARY*

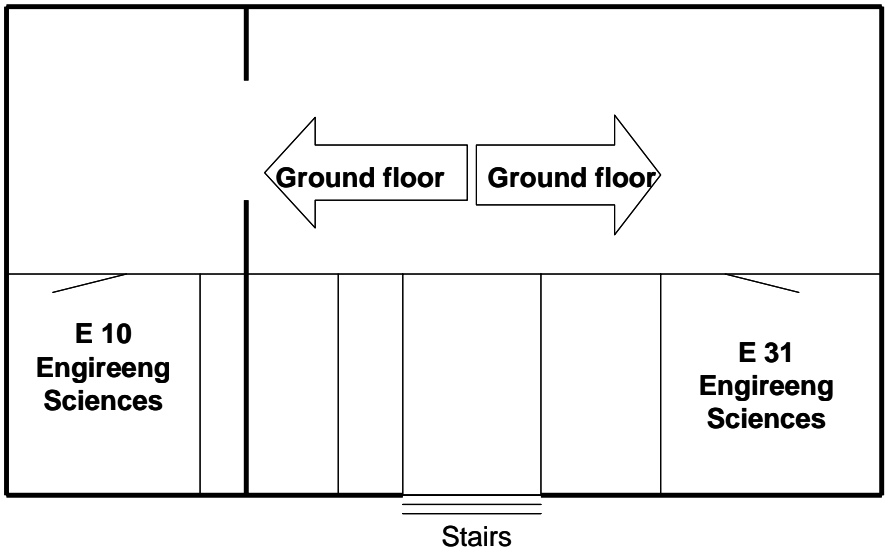
*APPLICATIONS*

**17. Michal TURČANÍK**

Department of Informatics, Armed Forces Academy, Liptovský Mikuláš, Slovak republic

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**4. ENGINEERING SCIENCES**  
**Room E 31, E10**



# 4.1 ELECTRICAL AND ELECTRONICAL ENGINEERING

## Room E10

### MODERATORI:

- Igor BARENZ
- Lukas REPKA

---

#### *MANAGEMENT OF ELECTRIC POWER SOURCES FOR SMALL AIRCRAFT*

1. **Viktor FERENCEY, Martin BUGÁR, Vladimír STAŇÁK, Juraj MADARÁS**  
Faculty of Electrical Engineering and Information Technology, IPAEE, Department of Applied Mechanics and Mechatronics, Bratislava, Slovak Republic
- 

#### *ARM DEVELOPMENT KIT FOR DATA COMMUNICATION*

2. **Tomas MAZUREK\*, Zbynek BURES\*, Petr KUNETA\*\***  
\*Department of Communication and Information Systems, University of Defence, Brno, Czech Republic, \*\*MESIT pristroje spol. s r. o., Uherske Hradiste, Czech Republic
- 

#### *SUPERCAPACITORS, A BATTERY REPLACEMENT*

3. **Constantin Daniel OANCEA**  
Faculty of Electrical Engineering, "Politehnica" University of Bucharest, Bucharest, Romania
- 

#### *ENERGY POTENTIAL EVALUATION FOR A WIND TURBINE USED FOR PUMPING*

4. **Vasile RACHIER**  
Energy Faculty, Technical University of Moldova, Chisinau, Moldova
- 

#### *THE PROCESSES USED IN PROTECTION OF SYNCHRONOUS GENERATORS IN NAVAL ELECTRICAL NETWORKS*

5. **Serghei RADU \*, Gheorghe SAMOILESCU \*\***  
\*\*"Barklav", Constanta, Romania, \*\* "Mircea cel Batran" Naval Academy, Constanta, Romania
- 

#### *REACTIVE POWER DISTRIBUTION BETWEEN SYNCHRONOUS GENERATORS OF A SHIP*

6. **Gheorghe SAMOILESCU \*, Serghei RADU \*\***  
\*\*"Mircea cel Batran" Naval Academy, Constanta, Romania, \*\* "Barklav"Mar.Ag., Constanta, Romania
- 

#### *TIMING COMPUTING IN ASYNCHRONOUS DIGITAL AUTOMATA*

7. **Mihai TIMIS, Alexandru VALACHI**  
Technical University „Gh.Asachi” Iasi, Automatic Control and Computer Science Faculty, Computer Science department
-

## 4.2 MECHANICAL ENGINEERING MATERIALS AND TECHNOLOGY

### Room E31

#### MODERATORI:

- Gheorghe SAMOILESCU
- Sergiu IVANOV

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*INVESTIGATION OF THIN FILM DEPOSITION BY MEANS OF  
MICROSCOPY*

1. **Adina AGACHE\***, **Marius Dan BENȚA\*\***  
\*Technical College of Transport Brasov\*\* Transilvania University of  
Brasov

---

*DETERMINING THE COORDINATES OF A HOSTILE GUNFIRE BY  
USING THE SOUND RANGING METHOD*

2. **Silviu BĂLUȚĂ\***, **Gheorghe ANDREI \*\***  
\* The Military Equipment and Technology Research Agency, Bucharest,  
Romania,\*\* „Lumina” The University of South-East Europe, Bucharest,  
Romania

---

*OVER TEMPERING OF ARMOX ARMORED STEELS AT THEIR  
SECONDARY PROCESSING*

3. **Igor BARÉNYI**, **Ondrej HÍREŠ**, **Peter LIPTÁK**  
Faculty of Special Technology, Alexander Dubcek University of  
Trencin, Slovakia

---

*MODELING OF AIRCRAFT FUEL SYSTEM*

4. **Vladimír BEŇO**, **František ADAMČÍK**  
Faculty of Aeronautics, Technical University, Košice, Slovakia

---

*WAYS OF WORKING THE DATA OBTAINED THROUGH AFM  
TECHNOLOGY*

5. **Marius Dan BENȚA\***, **Adina AGACHE\*\***  
\*Transilvania Universitz of Brasov \*\* Technical College of Transport  
Brasov

---

*EXPERIMENTAL RESEARCH CONCERNING THE WEAR OF THE  
MILLING EDGES UPON THE QUALITY OF WOOD SURFACES*

6. **Luminița-Maria BRENCI**, **Camelia COSEREANU**,  
**Adriana FOTIN**  
Faculty of Wood Engineering, Department of Wood Processing and  
Wood Products Design, Transilvania University of Brasov, Romania
-

*THE INFLUENCE OF THE ANATOMY STRUCTURE UPON THE STACKING CAPACITY OF WOODEN BOXES*

7. **Ivan CISMARU, Adriana FOTIN**

Faculty of Wood Engineering, Transilvania University of Brasov, Brasov, Romania,

---

*STUDY ON THE QUALITY OF THE SURFACE IN CASE OF MIXED WOOD PANELS*

8. **Camelia COSEREANU, Ivan CISMARU, Luminita-Maria BRENCI**

Faculty of Wood Engineering, Department of Wood Processing and Wood Products Design, Transilvania University of Brasov, Romania

---

*DEVELOPMENT OF A COANDĂ EFFECT LIFT-THRUST INTEGRATED SYSTEM: CELTIS*

9. **Valeriu DRĂGAN**

Aerospace Engineering Faculty, "Politehnica" University of Bucharest, Bucharest, Romania

---

*COUPLING SURFACE FLOW WITH POROUS MEDIA*

10. **Constantin Albert DUMITRACHE**

Mathematics Faculty, Pitești University, Argeș, Romania

---

*EFFECT OF HETEROGENEITY OF MATERIAL ON BALLISTIC RESISTANCE*

11. **Ondrej HÍREŠ, Peter LIPTÁK, Igor BARÉNYI, Mária LIČKOVÁ, Dušan BEDNÁRIK**

Alexander Dubček University of Trenčín, Trenčín, Slovak Republic

---

*INTEGRAL EQUATION FOR ELASTIC CONTACT BETWEEN A PROJECTILE - RIGID BODY AND A TARGET - ELASTIC SURFACE*

12. **Mihai IVĂNICĂ**

Military Technical Academy, Bucharest, Romania

---

*DURABILITY OF WOODEN BRIQUETTES*

13. **Aurel LUNGULEASA**

Faculty of Wood Engineering, Transilvania University, Brașov, România

---

*TIRE MODEL FOR SIMULATIONS OF VEHICLE MOTION ON HIGH AND LOW FRICTION ROAD SURFACES*

14. **Cristian MINCA, Ana Maria DINCU**

University "Politehnica" of Timisoara, Romania

---

*APLICATIONS OF FULL FACTORIAL DESIGN FOR LASER PROCESSING*

15. **Cristian MÎNZAT, Remus BOBOESCU**

Mechanical Faculty, University Politehnica, Timisoara, Romania,m

---

*MATHEMATICAL MODELING FOR MELTED ZONE IN LASER WELDING FOR STEEL*

16. **Cristian MÎNZAT, Remus BOBOESCU**

\*Mechanical Faculty, University Politehnica, Timisoara, Romania,m

---

17. *CONTROLLED FLOW SIMULATION USING SPH METHOD*  
**Vasile NĂSTĂSESCU\***, **Lavinia GAVRILĂ\*\***  
 \*Military Technical Academy, Bucharest, Romania\*\* Air Force Academy, Braşov, Romania
- 
18. *THERMAL DIFFUSIVITY AND CONDUCTIVITY AT LAYER ZrO2/20%Y2O3 SPRAYED WITH ATMOSPHERIC PLASMA SPRAY*  
**Geanina Laura PINTILEI**, **Corneliu MUNTEANU**,  
**Gica Narcis BASESCU**, **Bogdan ISTRATE**,  
**Andreea Carmen BARBANTA**  
 Technical University “Gheorghe Asachi” of Iasi, Faculty of Mechanical Engineering
- 
19. *INTEGRATING ISSUES OD FRICTION STIR WELDING OF STEELS IN CURRENT ENGINEERING PRACTICE OF SPECIAL TECHNIQUES*  
**Lukáš REPKA**, **Harold MÄSIAR**  
 Faculty of special technology, University of Alexander Dubcek in Trencin
- 
20. *THE STUDY OF THE MECHANICAL INFLUENCES ON THE PISTON WRIST ADJACENT PARTS CAUSED BY THE RESIZING OF ITS DIMENSIONS*  
**Ionut SERBAN\***, **Cornel ARAMA\*\***, **Andreea ARAMA\*\*\***  
 \*”Transylvania” University, Brasov, Romania, \*\*”Henri Coandă” Air Force Academy, Brasov, Romania, \*\*\* freelancer, Brasov, Romania
- 
21. *OLYMER BASED HYBRID MATERIALS FOR AEROSPACE APPLICATIONS*  
**Fulga TANASA**, **Madalina ZANOAGA**  
 “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania
- 
22. *SELF-HEALING MATERIALS – FROM DESIGN TO SPECIFIC APPLICATIONS*  
**Fulga TANASA**, **Madalina ZANOAGA**  
 “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania
- 
23. *AIRCRAFT JET ENGINE EXHAUST NOZZLE HYDROMECHANICAL AUTOMATIC CONTROL SYSTEM*  
**Alexandru Nicolae TUDOSIE**  
 Electrical, Power Systems and Aerospace Engineering Department, University of Craiova, Romania
-

*CONTROL SYSTEM FOR A SINGLE SPOOL JET ENGINE WITH  
VARIABLE-AREA EXHAUST NOZZLE*

- 24. Alexandru Nicolae TUDOSIE, Constantin Lucian SEPCU**  
Electrical, Power Systems and Aerospace Engineering Department,  
University of Craiova, Romania

*A TACTICAL APPROACH TO TAKING CURVES IN TRAFFIC*

- 25. Bogdănel-Nicolae VĂCARU\*, Cornel ARAMĂ\*\*,  
Andreea ARAMĂ\*\*\***  
\*”Transylvania” University, Brasov, Romania, \*\*“Henri Coandă” Air  
Force Academy, Brasov, Romania, \*\*\* freelancer
-



## **4.3 RENEWABLE ENERGY AND ENVIRONMENT, FOOD PRODUCTION Room E10**

### **MODERATORI:**

- **Daniela ROSCA**
- **Liliana Ecaterina MIRON**

*THE MONITORING OF WASTEWATER pH  
USING A DATA MINING TECHNIQUE*

1. **Mădălina CĂRBUREANU**  
Mechanical and Electrical Engineering, Petroleum-Gas University,  
Ploiesti, Romania
- 

*AN EXPERT SYSTEM FOR WASTEWATER pH CONTROL*

2. **Mădălina CĂRBUREANU**  
Mechanical and Electrical Engineering, Petroleum-Gas University,  
Ploiesti, Romania
- 

*MODELING OF THE TEMPERATURE CONTROL SYSTEM OF THE  
PLASTIFICATION CYLINDER OF INJECTION MOLDING MACHINE*

3. **Vadim CAZAC \***, **Ilie NUCA \*\***  
\* TehElectro-SV Co, , \*\* Technical University of Moldova
- 

*A STUDY OF BIOLOGICAL DECONTAMINATION OF FUEL  
AVIATION FIGHTING*

4. **Timur CHIS**  
Ovidius University Constanta
- 

*PROPERTIES EVALUATION OF BIODIESEL FUEL MIXTURES*

5. **Timur CHIS**  
Ovidius University Constanta
- 

*APPLICATIONS OF ENVIRONMENTAL INFORMATION SYSTEMS  
IN HYDROMETEOROLOGICAL FORECAST*

6. **Mirela COMAN, Bogdan CIORUȚA**  
Mineral Resources and Environment Faculty, North Center University of  
Baia Mare, Tehnical University of Cluj-Napoca, Romania
- 

*CONSIDERATIONS REGARDING  
BAIA MARE URBAN AREA WEATHER EVOLUTION*

7. **Mirela COMAN, Bogdan CIORUȚA, Gilbert TARO**  
Mineral Resources and Environment Faculty, North Center University of  
Baia Mare, Tehnical University of Cluj-Napoca, Romania
-

*SALIX - RENEWABLE ENERGY SOURCES*

8. **Tatiana GRÎU, Aurel LUNGULEASA**  
Faculty of Wood Engineering, Transilvania University of Brasov,  
Brasov, Romania
- 

*CONSIDERATION CONCERNING WATER POLLUTION  
IN LARGE ELECTRO-POWER PLANTS*

9. **Mihaela Cosmina TITA\*, Daniela ROSCA\*, Ph. DONDON\*\*,  
I. BALA\*\*\***  
\*Electrical Engineering Faculty, University of Craiova, Craiova,  
Romania, \*\* Université de Bordeaux, IPB UMR, \*\*\* Regional Agency of  
Environmental Protection Craiova, Romania
- 

*ENERGY SAVING WORT BOILING SISTEM IN BREWING FACTORY*

10. **Mariana Geta TOMESCU (cas. Cismarescu), Carol CSATLOS**  
Faculty of Food and Tourism, "Transilvania" University of Braşov,  
Braşov, Romania
- 

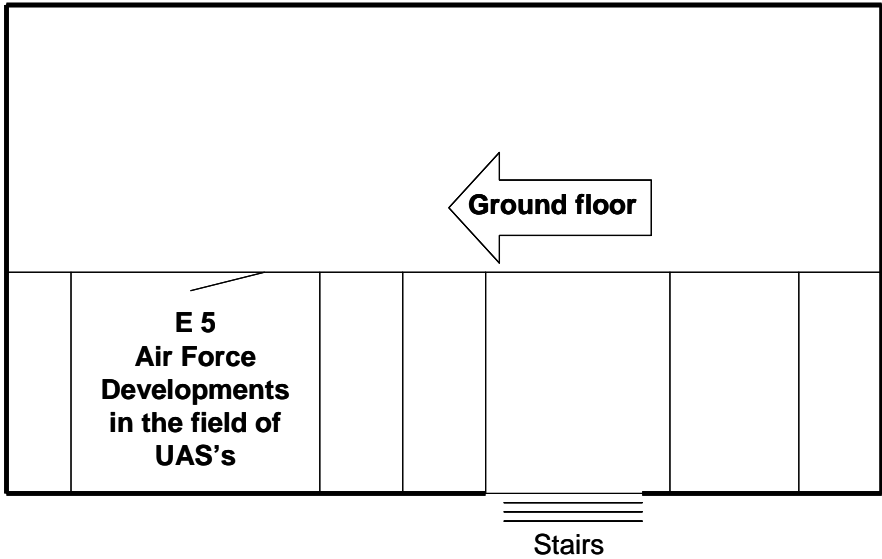
*MEMBRANES PROCESSES USED IN BEER FILTRATION*

11. **Mariana Geta TOMESCU (cas. Cismarescu), Carol CSATLOS**  
Faculty of Food and Tourism, "Transilvania" University of Braşov,  
Braşov, Romania
- 

*PHOTOCATALYSIS PROCESSES USED FOR DISINFECTION. A  
MATHEMATICAL APPROACH*

12. **Violeta VASILACHE \*, Elena AGHINȚEI\*\*, Laura LELUȚIU\*\*\*,  
Marius Dan BENȚA\*\*\***  
\*Stefan cel Mare University of Suceava, Romania \*\* Industrial School  
Group Rasnov, Romania \*\*\* Transilvania University of Brasov, Romania
-

**5. AIR FORCE**  
**Room E5**



## **MODERATORI:**

- **Mihail ORZEȚĂ**
- **Ovidiu MOȘOIU**
- **Pericle Gabriel MATEI**
- **Andreea PIRNUȚĂ**

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*COOPERATIVE LEARNING APPLICATIONS  
IN AUTOMATIC CONTROL COURSE*

**Aydemir Arisoy\*, Mustafa Er\*\*, Ridvan Kahraman\*, Erol Duymaz\***

1.

\*Engineering Faculty, Turkish Air Force Academy, Istanbul, TURKEY  
\*\*Foreing Language Department, Turkish Air Force Academy,  
Istanbul, TURKEY

---

*ORGANIZED CRIME, SUPPORT FOR TERRORIST PHENOMENON*

**Ion BĂLĂCEANU\*, Mihaela DIN\*\***

2.

\*Hyperion University, Bucharest, Romania, \*\* IGPF, drd of „Carol I”  
National Defense University, Bucharest, Romania

---

*TRENDS IN THE INTERNATIONAL SECURITY ENVIRONMENT*

**Ion BĂLĂCEANU\*, Adrian CASIAN\*\***

3.

\*Hyperion University, Bucharest, Romania, \*\* IGPF, drd of „Carol I”  
National Defense University, Bucharest, Romania

---

*MECHANICAL PROPERTIES OF PLAIN WEAVE FABRICS*

**Clement CABOS \*, Amado STEFAN \*\*, Ciprian LARCO \*\***

4.

\*University “Paul Sabatier”, Toulouse, France, \*\* Military Technical  
Academy, Bucharest, Romania

---

*LEGAL DIMENSION OF THE ACTIONS SPECIFIC TO  
PSYCHOLOGICAL AGGRESSION*

**Dumitru DINU**

5.

“Henri Coanda” Air Force Academy, Brasov, Romania

---

*ELECTRONICS ENGINEERING EDUCATION IN TURKISH  
AIRFORCE ACADEMY*

**Erol DUYMAZ, Ridvan KAHRAMAN,  
M.Kemal BAYRAKÇEKEN, Aydemir ARISOY**

6.

Engineering Faculty, Turkish Air Force Academy, Istanbul, TURKEY

---

*TRAGEDY OF CARPATHO-UKRAINE*

**Róbert HURNÝ**

7.

Armed Forces Academy of General Milan Rastislav Štefánik, Liptovský  
Mikuláš, Slovak Republic

---

*ADAPTIVE PILOT PERFORMANCE OPTIMIZING: VALIDATION AND HUMAN BEHAVIOR ADJUSTMENT*

8. **Pericle Gabriel MATEI \***, **Borel OPHÉLIE \*\***  
\*Faculty of Mechatronics and Integrated Weaponry Systems, Military Technical Academy, Bucharest, Romania, \*\*Mechanical, Production and Aerospace Engineering
- 

*INTELLIGENT SYSTEM FOR ADAPTIVE PILOT PERFORMANCE ASSESSMENT*

9. **Pericle Gabriel MATEI \***, **Amelia SANDU\*\***  
\*Faculty of Mechatronics and Integrated Weaponry Systems, Military Technical Academy, Bucharest, Romania, \*\* Faculty of Mechatronics and Integrated Weaponry Systems, Military Technical Academy, Bucharest, Romania
- 

*BORDER CRIME IMPLICATIONS ON SECURITY, SURVEILLANCE AND CONTROL POLICIES OF THE EUROPEAN UNION BORDER*

10. **Ovidiu MOȘOIU\***, **Mihaela DIN\*\***  
\*\*“Henri Coanda” Air Force Academy, Brasov, Romania, \*\* IGPF, drd of „Carol I” National Defense University, Bucharest, Romania
- 

*PROFESSIONAL TRAINING OF ANTITERRORIST AND COUNTERTERRORIST FIGHTERS*

11. **Ovidiu MOȘOIU\***, **Adrian CASIAN\*\***  
\*\*“Henri Coanda” Air Force Academy, Brasov, Romania, \*\* IGPF, drd of „Carol I” National Defense University, Bucharest, Romania
- 

*COMPOSITES MATERIALS FOR AVIATION INDUSTRY*

12. **Roxana NEDELICU\***, **Pierrick REDON\*\***  
\* Military Technical Academy, Bucharest, Romania, \*\* Paul Sabatier University, Toulouse, France
- 

*HOW POPULATION’S REDUCTION INFLUENCES ROMANIA’S SECURITY*

13. **Mihail ORZEAȚĂ**  
“Henry Coanda” Air Force Academy, Brasov, Romania
- 

*ASPECTS REGARDING THE UNSTEADY AERODYNAMICS AND ITS APPLICATION TO HELICOPTER ROTOR BLADE*

14. **Constantin ROTARU\***, **Valentin JAULIN\*\***, **Vicent MONOT\*\***  
\*Mechatronics and Armament Integrated Systems Faculty, Military Technical Academy, Bucharest, Romania, \*\* Mechanical Engineering Faculty, “Paul Sabatier “ University, Toulouse, France
- 

*THE OPTIMIZATION METHODS OF MODERNIZATION PROCESSES REGARDING TO THE LARGEST TECHNICAL INTEGRATES SYSTEM*

15. **Vasile SANDRU**  
“Henri Coanda” Air Force Academy, Brasov, Romania
-

*MANPADS – DO THEY PRESENT REAL THREAT?*

**Tomáš SCHÓBER\***, **Matúš GREGA\*\***, **Pavel NEČAS\*\***

16. \*CGCI (Central ground-controlled interception), Operation Centre, Zvolen, Slovak Republic, \*\*Armed Forces Academy of General M. R. Štefánik, Liptovský Mikuláš, Slovak Republic
- 

*IMPACT OF THE FINANCIAL CRISIS ON SELECTED EUROPEAN UNION AIR FORCES AND THEIR CAPABILITIES*

**Tomáš SCHÓBER\***, **Blažej LIPPAY\*\***, **Pavel NEČAS\*\*\***

17. \*CGCI (Central ground-controlled interception), Operation Centre, Zvolen, Slovak Republic,  
\*\* National Security Authority, Bratislava, Slovak Republic,  
\*\*\* Armed Forces Academy of General M. R. Štefánik, Liptovský Mikuláš, Slovak Republic
- 

*THE APPROACH FOR RANDOM OBJECTS CREATION WITHIN THE FRAMEWORK OF PRIMARY RADAR SENSOR MODELLING*

**Miroslav ŠEBELA**, **Vojtěch MÁJEK**

18. Air Defence Systems Department, Faculty of Military Technology, University of Defence, Brno, Czech Republic
- 

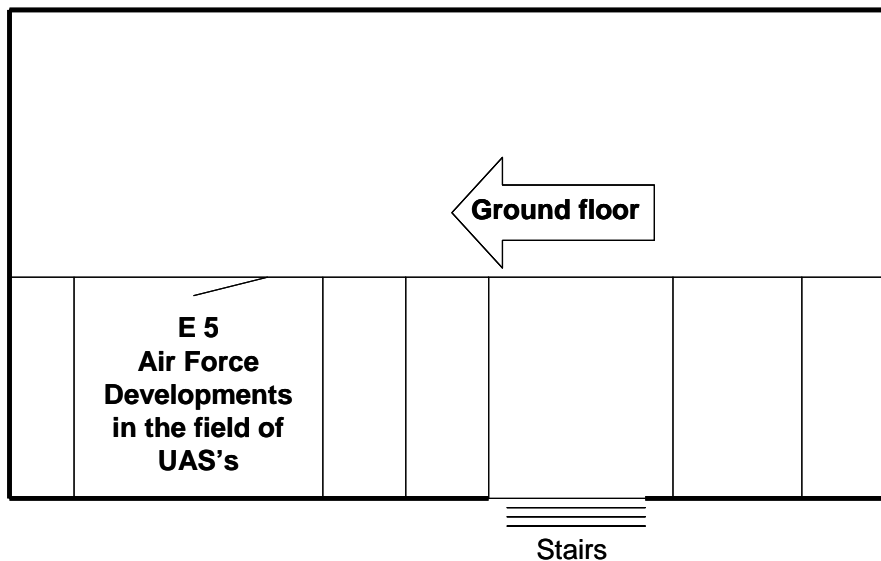
*CONCEPTS FOR AIR SUPREMACY & ESSENTIAL CAPABILITIES FOR MODERN AIR SUPERIORITY ASSETS*

**Kadir YILDIZ**, **Murat BİCİL**, **Sadık AKKAYA**, **Yavuz İSTEK**

19. Operation&Intelligence, Turkish Air War College, Istanbul, Türkiye
-

## **6. DEVELOPMENTS IN THE FIELD OF UAS's**

### **Sala E 5**



**MODERATORI:**

- **Melih Cemal KUSHAN**
- **Kemal BAYRAKCEKEN**
- **Ionica CIRCIU**

*ENHANCING CONTROL EDUCATION WITH REAL-TIME EXPERIMENTS*

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*RESEARCH REGARD UPGRADE OF UAV IN LOW COST CONCEPT*

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