

LISTĂ DE LUCRĂRI

Conf. univ. dr. ing. Pericle Gabriel MATEI

1. LISTA CELOR MAI RELEVANTE 10 LUCRĂRI:

1. **MATEI Pericle Gabriel**, *Spatii virtuale în simulatoare de zbor*, Editura Univers Științific, București 2015, ISBN 978-973-1944-66-1
2. **MATEI Pericle Gabriel**, EDU Ioana – Raluca, *Afișarea integrată a datelor la bordul aeronavelor*, Editura Univers Științific, București 2015, ISBN 978-973-1944-67-8
3. **MATEI Pericle Gabriel**, *Îndrumar de laborator pentru cursul Echipamente de bord și navigație aeriană*, Editura Univers Științific, București 2015, ISBN 978-973-1944-63-0
4. **MATEI Pericle Gabriel**, *Echipamente de bord: sisteme de navigație aeriană, giroscopice și de procesare de date*, Editura Academiei Tehnice Militare, București 2010, ISBN 978-973-640-191-6
5. **MATEI Pericle Gabriel**, ROTARU Constantin, MIHĂILĂ-ANDRES Mihai, EDU Ioana Raluca, *Software System for Data Extraction and Communication in Virtual Environment for Pilots' Performances Optimization*, COMM 2014, 29-31 mai, București, Romania
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6866668&isnumber=6866648>
6. **MATEI Pericle Gabriel**, *Pilots' Performances Optimizing in Complex Simulated Environment: Contribution of Longitudinal Component of Virtual Flight*, IEEE INTERNATIONAL CONFERENCE E-HEALTH AND BIOENGINEERING – “EHB 2013”, 21-23 noiembrie 2013, Iași, România
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6707349&isnumber=6707229>
7. **MATEI Pericle Gabriel**, ROTARU Constantin, GUDET Thomas, SANDU Amelia, *Pilots' Performances Improving in Dual Stream Environment: Vertical Component of Virtual Flight and Physiological Profile*, The 15th International Conference of Scientific Papers AFASES 2013, 23-25 mai 2013, Brașov, România, Proceeding pg. 539-544, ISSN, ISSN-L: 2247-3173
URL: <http://connection.ebscohost.com/c/articles/89923840/pilots-performances-improving-dual-stream-environment-vertical-component-virtual-flight-physiological-profile>
8. **MATEI Pericle Gabriel**, BOREL Ophélie, *Adaptive Pilot Performance Optimizing: Validation And Human Behavior Adjustment*, AFASES Scientific Researches and

Education in Air Force – The International Conference of Scientific Papers, 24-29 mai 2012, Braşov, România, Proceeding pg. 897-902, ISSN ISSN-L 2247-3173

URL: <http://connection.ebscohost.com/c/articles/90477120/adaptive-pilot-performance-optimizing-validation-human-behavior-adjustment>

9. **MATEI Pericle Gabriel**, SANDU Amelia, *Intelligent System For Adaptive Pilot Performance Assessment*, AFASES Scientific Researches and Education in Air Force – The International Conference of Scientific Papers, 24-29 mai 2012, Braşov, România, Proceeding pg. 891-896, ISSN ISSN-L 2247-3173

URL: <http://connection.ebscohost.com/c/articles/82405355/intelligent-system-adaptive-pilot-performance-assessment>

10. **MATEI Pericle Gabriel**, *Strategii optime de achiziție și de procesare a informațiilor la bordul aeronavelor cu asigurarea veridicității și conformității acestora*, teza de doctorat, 2000, București

2. TEZA DE DOCTORAT:

- *Strategii optime de achiziție și de procesare a informațiilor la bordul aeronavelor cu asigurarea veridicității și conformității acestora*, București 2000

3. CĂRȚI ȘI CAPITOLE ÎN CĂRȚI:

1. **MATEI Pericle Gabriel**, *Spatii virtuale în simulatoare de zbor*, Editura Univers Științific, București 2015, ISBN 978-973-1944-66-1
2. **MATEI Pericle Gabriel**, Ioana – Raluca EDU, *Afișarea integrată a datelor la bordul aeronavelor*, Editura Univers Științific, București 2015, ISBN 978-973-1944-67-8
3. **MATEI Pericle Gabriel**, *Îndrumar de laborator pentru cursul Echipamente de bord și navigație aeriană*, Editura Univers Științific, București 2015, ISBN 978-973-1944-63-0
4. **MATEI Pericle Gabriel**, *Echipamente de bord: sisteme de navigație aeriană, giroscopice și de procesare de date*, Editura Academiei Tehnice Militare, București 2010, ISBN 978-973-640-191-6

4. ARTICOLE / STUDII IN EXTENSO PUBLICATE ÎN REVISTE DIN FLUXUL ȘTIINȚIFIC INTERNAȚIONAL PRINCIPAL:

1. MIHAILA-ANDRES Mihai, ROTARU Constantin, **MATEI Pericle Gabriel**, *Staggered Approach for Fluid-Structure Interaction Phenomena of an AGARD 445.6 Wing Using Commercial CFD/CSM Software*, Journal of Aerospace Engineering, 10.1061/(ASCE)AS.1943-5525.0000427, 04014093, 2014

URL: [http://ascelibrary.org/doi/abs/10.1061/\(ASCE\)AS.1943-5525.0000427](http://ascelibrary.org/doi/abs/10.1061/(ASCE)AS.1943-5525.0000427)

2. ROTARU Constantin, MIHAILA-ANDRES Mihai, **MATEI Pericle Gabriel**, *An Extended Combustion Model for the Aircraft Turbojet Engine*, International Journal of Turbo & Jet-Engines, Volume 31, Issue 3, Pages 229–237, ISSN (Online) 2191-0332, ISSN (Print) 0334-0082, DOI: [10.1515/tjj-2013-0048](https://doi.org/10.1515/tjj-2013-0048), March 2014
3. ROTARU Constantin, ANDRES-MIHĂILĂ Mihai, **MATEI Pericle Gabriel**, EDU Raluca Ioana, *Dynamics of a turbojet engine considered as a quasi-static system* - International **Journal** of Mechanics, Volume 8, 2014, pg. 158-166, ISSN: 1998-4448
URL: <http://www.naun.org/main/NAUN/mechanics/2014/a202003-082.pdf>

5. PUBLICAȚII IN EXTENSO APĂRUTE ÎN LUCRĂRI ALE PRINCIPALELOR CONFERINȚE INTERNAȚIONALE DE SPECIALITATE:

1. ADOCHIEI Ioana-Raluca, ȘTIRBU Oana-Isabela, ADOCHIEI Narcis - Iulian, **MATEI Pericle-Gabriel**, LARCO Ciprian- Marius, MUSTATA Stefan-Mircea, COSTIN Diana, “Drivers’ Drowsiness Detection and Warning Systems for Critical Infrastructures”, International Conference on e-Health and Bioengineering (EHB), 2020
2. **MATEI Pericle Gabriel**, ROTARU Constantin, MIHĂILĂ-ANDRES Mihai, EDU Ioana Raluca, *Software System for Data Extraction and Communication in Virtual Environment for Pilots’ Performances Optimization* , COMM 2014, 29-31 mai, București, Romania
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6866668&isnumber=6866648>
3. EDU Ioana-Raluca, ADOCHIEI Felix-Constantin, **MATEI Pericle Gabriel**, ROTARU Constantin, Numerical Method for Processing and Analyzing Flying Effects on Pilots, COMM 2014, May 29-31 mai 2014, București, România
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6866701&isnumber=6866648>
4. ROTARU Constantin, EDU Ioana-Raluca, **MATEI Pericle Gabriel**, ANDRES-MIHĂILĂ Mihai, *Unsteady aerodynamic model for an airfoil with time dependent boundary conditions*, The 16-th International Conference AFASES 2014, 22-24 Mai, Secțiunea Air Force, pp.14, Brașov, România, 2014, ISSN, ISSN-L: 2247-3173
URL: <http://connection.ebscohost.com/c/articles/96436267/unsteady-aerodynamic-model-airfoil-time-dependent-boundary-conditions>
5. ROTARU Constantin, MIHĂILĂ-ANDRES Mihai, **MATEI Pericle Gabriel**, EDU Raluca Ioana, *Thermodynamic performances of the turbojet combustion chamber – numerical evaluation*, Proceedings of the International Conference on Mechanics, Fluid Mechanics, Heat and Mass Transfer, ISBN 978-1-61804-220-8, Pages 86-91, February 22-24, 2014, Interlaken, Switzerland, 6,25 puncte.

URL: <http://www.europment.org/library/2014/interlaken/bypaper/MECH/MECH-10.pdf>

6. **MATEI Pericle Gabriel**, *Pilots' Performances Optimizing in Complex Simulated Environment: Contribution of Longitudinal Component of Virtual Flight*, IEEE INTERNATIONAL CONFERENCE E-HEALTH AND BIOENGINEERING – “EHB 2013”, 21-23 noiembrie 2013, Iași, România

URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6707349&isnumber=6707229>

7. **MATEI Pericle Gabriel**, *Expert System for Pilot Performance Assessment in Virtual Environment*, 1st International Conference "New Challenges in Aerospace Sciences NCAS" 2013, 7-8 noiembrie 2013, București, România, ISSN, ISSN-L: 2344-4762

8. **MATEI Pericle Gabriel**, ROTARU Constantin, GUDET Thomas, SANDU Amelia, *Pilots' Performances Improving in Dual Stream Environment: Vertical Component of Virtual Flight and Physiological Profile*, The 15th International Conference of Scientific Papers AFASES 2013, 23-25 mai 2013, Brașov, România, Proceeding pg. 539-544, ISSN, ISSN-L: 2247-3173

URL: <http://connection.ebscohost.com/c/articles/89923840/pilots-performances-improving-dual-stream-environment-vertical-component-virtual-flight-physiological-profile>

9. ROTARU Constantin, **MATEI Pericle Gabriel**, Renard Paul, *Aeroengine Combustion Instability – An Analytical Evaluation*, The 15th International Conference of Scientific Papers AFASES 2013, 23-25 mai 2013, Brașov, România, Proceeding pg. 573-578, ISSN, ISSN-L: 2247-3173

URL: <http://connection.ebscohost.com/c/articles/89923847/aeroengine-combustion-instability-analytical-evaluation>

10. **MATEI Pericle Gabriel**, BOREL Ophélie, *Adaptive Pilot Performance Optimizing: Validation And Human Behavior Adjustment*, AFASES Scientific Researches and Education in Air Force – The International Conference of Scientific Papers, 24-29 mai 2012, Brașov, România, Proceeding pg. 897-902, ISSN ISSN-L 2247-3173

URL: <http://connection.ebscohost.com/c/articles/90477120/adaptive-pilot-performance-optimizing-validation-human-behavior-adjustment>

11. **MATEI Pericle Gabriel**, SANDU Amelia, *Intelligent System For Adaptive Pilot Performance Assessment*, AFASES Scientific Researches and Education in Air Force – The International Conference of Scientific Papers, 24-29 mai 2012, Brașov, România, Proceeding pg. 891-896, ISSN ISSN-L 2247-3173

URL: <http://connection.ebscohost.com/c/articles/82405355/intelligent-system-adaptive-pilot-performance-assessment>

12. Popa Marian, **Matei Pericle Gabriel**, Radu Valentin Cristian, Merode Costin, Panțiru Silviu, Ionescu Violeta, *Sistem de estimare a aptitudinii de pilotaj în regim simulat: validare preliminară*, Conferința internațională „Psihologie și societate: Noutăți în psihologia aplicată”, 20-23 septembrie 2007, Iași, România
13. Popa Marian, **Matei Pericle Gabriel**, *Sistem de optimizare în mediu simulat a performanțelor de pilotare a aeronavelor prin îmbunătățirea stabilității cuplajelor pilot-aeronavă*, Congresul internațional de medicină și psihologie aeronautică, noiembrie 2005, București, România

6. ALTE LUCRĂRI ȘI CONTRIBUȚII SPECIFICE:

1. ROTARU Constantin, EDU Raluca Ioana, ANDRES-MIHĂILĂ Mihai, **MATEI Pericle Gabriel**, *Applications of Multivariable Control Techniques to Aircraft Gas Turbine Engines - Review of the Air Force Academy No 2* (26), pp 45-50, 2014, ISSN-L 1842-9238
URL: http://www.afahc.ro/ro/revista/Nr_2_2014/45_ROTARU_EDU_ANDRES-MIHAILA.pdf
2. **MATEI Pericle Gabriel**, ROTARU Constantin, ARGHIROPOL Adrian, *Integrated Adaptive System: Virtual Environment and Physiological Profiling In Pilot Performance Improvement*, International Conference on Military Technologies ICMT 2013, 22-23 mai 2013, Bruno, Cehia
3. ARGHIROPOL Adrian, ROTARU Constantin, **MATEI Pericle Gabriel**, *Overview of the 2D and 3D CFD Studies and Validation of Cfd Roket Range Results Versus General Experimental Practices & Procedures Applied to Rocket Technology*, International Conference on Military Technologies ICMT 2013, 22-23 mai 2013, Bruno, Cehia
4. ROTARU Constantin, **MATEI Pericle Gabriel**, ARGHIROPOL Adrian, *Aspects Regarding Unsteady Airloads on Helicopter Rotor Blades*, International Conference on Military Technologies ICMT 2013, 22-23 mai 2013, Bruno, Cehia
5. ROTARU Constantin, ANDRES-MIHĂILĂ Mihai, **MATEI Pericle Gabriel**, ȘTEFAN Amado, *Computing Nonlinear Airfoil Characteristics of Helicopter Rotor Blades*, - Review of the Air Force Academy No 1 (23), pp 6-12, 2013, ISSN 2069-4733
URL: http://www.afahc.ro/ro/revista/Nr_1_2013/10%20Constantin%20Rotaru.pdf
6. **MATEI Pericle Gabriel**, GUDET Thomas, SANDU Amelia, *Expert System for Pilot Performance Assessment – MTA Review*, Volume XXIII, No.3, Sep. 2013, pag. 201-212, ISSN 1843-3391
URL: http://www.journal.mta.ro/index.php?m=volumes&id_volum=25&id_articol=171

7. **MATEI Pericle Gabriel**, BOREL Ophélie, *Dynamic Pilot Performance Optimizing: Validation And Behavior Adjustment* – MTA Review, Volume XXII, No. 2, Jun. 2012, pag. 91-106, ISSN 1843-3391
URL: http://www.journal.mta.ro/index.php?m=volumes&id_volum=25&id_articol=171
8. **Matei Pericle Gabriel** *Sistem flexibil integrat pentru estimarea profilurilor de pilotaj*, Conferința de științe aerospațiale „Aerospațial 2008”, 1-2 octombrie 2008, București, ISBN 978-973-0-05704-1
9. **Matei Pericle Gabriel**, Popa Marian, *Sistem de optimizare în mediu simulat, a performanțelor de pilotare a aeronavelor prin îmbunătățirea stabilității cuplajelor pilot-aeronavă*, Conferința Națională „Aerospațial 2005 - Simpozion de științe aerospațiale”, 11-12 octombrie 2005, București, ISBN 973-0-03993