

Lista de lucrări

Lista a 10 lucrări reprezentative

1. **Grigorie, T.L.,** Botez, R.M. “*Adaptive Neuro-Fuzzy Inference System based Controllers for Smart Material Actuator Modelling*”, Published in PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING (ISI Journal), Volume: 223, Issue: G6, SEP 2009, Pages: 655-668, DOI: 10.1243/09544100JAERO522, Document Type: Article, Accession Number: WOS:000270763700006, ISSN: 0954-4100. Publisher: PROFESSIONAL ENGINEERING PUBLISHING LTD, 1 BIRDCAGE WALK, WESTMINSTER SW1H 9JJ, ENGLAND. Impact factor 2009: 0.773
2. **Grigorie, T. L.,** Botez, R.M., Popov, A.V., „*How the Airfoil Shape of a Morphing Wing is Actuated and Controlled in a Smart Way*”, Published in JOURNAL OF AEROSPACE ENGINEERING (ISI Journal), Volume: 28, Issue: 1, JAN 2015, Pages: 04014043-1 to 04014043-13, Article Number: UNSP 04014043, DOI: 10.1061/(ASCE)AS.1943-5525.0000372, Document Type: Article, Accession Number: WOS:000346341000003, ISSN: 0893-1321, eISSN: 1943-5525, Publisher: ASCE-AMER SOC CIVIL ENGINEERS, 1801 ALEXANDER BELL DR, RESTON, VA 20191-4400 USA. Impact factor 2013: 0.926
3. Popov, A.-V., **Grigorie, T.L.,** Botez, R.M., Mamou, M., Mebarki, Y., „*Real Time Morphing Wing Optimization Validation Using Wind-Tunnel Tests*”, Published in JOURNAL OF AIRCRAFT (ISI Journal), Volume: 47, Issue: 4, JUL-AUG 2010, Pages: 1346-1355, DOI: 10.2514/1.47431, Document Type: Article, Accession Number: WOS:000280869500027, ISSN: 0021-8669, Publisher: AMER INST AERONAUT ASTRONAUT, 1801 ALEXANDER BELL DRIVE, STE 500, RESTON, VA 22091-4344 USA. Impact factor 2010: 0.552
4. **Grigorie, T.L.,** Popov, A.V., Botez, R.M., Mamou, M., Mebarki, Y., „*A Hybrid Fuzzy Logic Proportional-Integral-Derivative and Conventional On-Off Controller for Morphing Wing Actuation using Shape Memory Alloy. Part I: Morphing system mechanisms and controller architecture design*”, Published in AERONAUTICAL JOURNAL (ISI Journal), Volume: 116, Issue: 1179, MAY 2012, Pages: 433-449, Document Type: Article, Accession Number: WOS: 000304724300001, ISSN: 0001-9240, Publisher: ROYAL AERONAUTICAL SOC, 4 HAMILTON PL, LONDON W1J 7BQ, ENGLAND. Impact factor 2012: 0.311
5. **Grigorie, T.L.,** Popov, A.V., Botez, R.M., Mamou, M., Mebarki, Y., „*A Hybrid Fuzzy Logic Proportional-Integral-Derivative and Conventional On-Off Controller for Morphing Wing Actuation using Shape Memory Alloy. Part 2: Controller implementation and validation*”, Published in AERONAUTICAL JOURNAL (ISI Journal), Volume: 116, Issue: 1179, MAY 2012, Pages: 451-465, Document Type: Article, Accession Number: WOS: 000304724300002, ISSN: 0001-9240, Publisher: ROYAL AERONAUTICAL SOC, 4 HAMILTON PL, LONDON W1J 7BQ, ENGLAND. Impact factor 2012: 0.311
6. **Grigorie, T.L.,** Botez, R.M., Popov, A.V. “*Adaptive Neuro-Fuzzy Controllers for an Open-Loop Morphing Wing System*”, Published in PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING (ISI Journal), Volume: 223, Issue: G7, NOV 2009, Pages: 965-975, DOI: 10.1243/09544100JAERO487, Document Type: Article, Accession Number: WOS:000272494600011, ISSN: 0954-4100. Publisher: PROFESSIONAL ENGINEERING PUBLISHING LTD, 1 BIRDCAGE WALK, WESTMINSTER SW1H 9JJ, ENGLAND. Impact factor 2009: 0.773
7. **Grigorie, T.L.,** Botez, R. M. „*A new method to reduce the noise of the miniaturised inertial sensors disposed in redundant linear configurations*”. Published in AERONAUTICAL JOURNAL (ISI Journal), Volume: 117, Issue: 1188, FEB 2013, Pages: 111-132, Document Type: Article, Accession Number: WOS: 000315548900001, ISSN: 0001-9240. Publisher: ROYAL AERONAUTICAL SOC, 4 HAMILTON PL, LONDON W1J 7BQ, ENGLAND. Impact factor 2013: 0.336
8. **Grigorie, T.L.,** Botez, R.M., Lungu, M., Edu, I.R., Obreja, R., “*Micro-electromechanical systems gyro performance improvement through bias correction over temperature using an adaptive neural network-trained fuzzy inference system*”, Published in PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING (ISI Journal), Volume: 226, Issue: G9, SEP 2012, Pages: 1121-1138, DOI: 10.1177/0954410011417671, Document Type: Article, Accession Number: WOS:000307763200006, ISSN: 0954-4100. Publisher: SAGE

9. Botez, R.M., **Grigorie, T.L.**, Hiliuta, A., Ciocan, L. “*Rigid and Control Modes Aerodynamic Unsteady Forces Aeroservoelastic Modeling*“, Published in JOURNAL OF GUIDANCE CONTROL AND DYNAMICS (ISI Journal), Volume: 31, Issue: 5, SEP-OCT 2008, Pages: 1372-1385, DOI: 10.2514/1.32817, Document Type: Article, Accession Number: WOS: 000259265600019, ISSN: 0731-5090. Publisher: AMER INST AERONAUT ASTRONAUT, 1801 ALEXANDER BELL DRIVE, STE 500, RESTON, VA 22091-4344 USA. Impact factor 2009: 1.031
10. **Grigorie, T.L.**, Khan, S., Botez, R.M., Mamou, M., Mebarki, Y. „*Design and experimental testing of a control system for a morphing wing model actuated with miniature BLDC motors*“, Published in CHINESE JOURNAL OF AERONAUTICS (ISI Journal), Volume: 33, Issue: 4, APR 2020, Pages: 1272-1287, DOI: 10.1016/j.cja.2019.08.007, Document Type: Article, Accession Number: WOS: 000552306000002, ISSN: 1000-9361, eISSN: 2588-9230, Publisher: ELSEVIER SCIENCE INC, STE 800, 230 PARK AVE, NEW YORK, NY 10169 USA. Impact factor 2019: 2.215

Teza de doctorat

Titlul Tezei: „*Sisteme de navigație inerțială strap-down cu senzori opto-electronici*“,

Anul susținerii: 2006. Instituția gazdă: Universitatea Politehnica București, Facultatea de Inginerie Aerospațială;

Conducător de doctorat: Prof. dr. ing. Ioan ARON;

Domeniul fundamental: *Științe ingineresti*, Domeniul de studii universitare de doctorat: *Inginerie Aerospațială*.

Teza de abilitare

Titlul Tezei: „*Sensing, actuation and control in the next generation of aerospace systems*“;

Anul susținerii: 2017, Instituția gazdă: Universitatea Politehnica București, Facultatea de Inginerie Aerospațială;

Domeniul fundamental: *Științe ingineresti*, Domeniul de studii universitare de doctorat: *Inginerie Aerospațială*;

Conducător de doctorat afiliat la Școala Doctorală a Facultății de Inginerie Aerospațială, Universitatea Politehnica București.

Cărți

- C1. Negrea, P., **Grigorie, T.L.** “*Tehnici de detecție și procesare a semnalelor în navigatorii MEMS-INS*”. SITECH, Craiova, Romania, 2020, pp. 1-272, ISBN: 978-606-11-7338-9.
- C2. **Grigorie, T.L.**, Sandu, D.G. “*Arhitecturi sinergice de sisteme de navigație cu componente inerțiale strap-down*”. SITECH, Craiova, Romania, 2013, pp. 1-314, ISBN: 978-606-11-3770-1.
- C3. **Grigorie, T.L.**, Edu, I.R. “*Aplicații de navigație inerțială cu senzori miniaturizați*”. SITECH, Craiova, Romania, 2013, pp. 1-306, ISBN: 978-606-11-3084-9.
- C4. **Grigorie, T.L.** “*Sisteme de navigatie inertiala strap-down. Studii de optimizare*”. SITECH, Craiova, Romania, 2007, pp. 1-328, ISBN: 978-973-746-723-2.
- C5. Lungu, R., **Grigorie, T.L.** “*Traductoare Accelerometrice si Girometrice*”. SITECH, Craiova, Romania, 2005, pp. 1-206, ISBN: 973-657-777-5.

Capitole de cărți

- CC1. **Grigorie, T.L.**, Botez, R.M., Chapter 14 „*New Applications of Fuzzy Logic Methodologies in Aerospace Field*” in the book “*Fuzzy Controllers, Theory and Applications*”, edited by Teodor Lucian Grigorie, ISBN 978-953-307-543-3, Published by InTech, DOI: 10.5772/14540, pages 44 (253-296), February 28, Rijeka, Croatia, 2011
- CC2. **Grigorie, T.L.**, Popov, A.V., Botez, R.M., Mamou, M., Mébarki, Y., Chapter 4 „*Design and Experimental Validation of a Combined PI and Bi-Positional Laws Controller for Delaying the Transition from Laminar Flow to Turbulent Flow Over a Morphing Wing*” in the book “*Informatics in Control, Automation and Robotics*” from “*Lecture Notes in Electrical Engineering*” (LNEE) book series, edited by Juan Andrade Cetto, Jean-Louis Ferrier, and Joaquim Filipe, ISBN 978-3-642-19538-9, Volume 89, Part 2, DOI: 10.1007/978-3-642-19539-6_4, pages 26 (51-76),

- CC3. **Grigorie, T.L.**, Botez, R.M., Popov, A.V., Chapter 1 „*Fuzzy logic control of a smart actuation system in a morphing wing*“ in the book “*Fuzzy Controllers - Recent Advances in Theory and Applications*”, edited by Sohail Iqbal, Nora Boumella and Juan Carlos Figueroa Garcia, ISBN 978-953-51-0759-0, published by InTech, DOI: 10.5772/48778, pages 22 (1-22), September 27, Rijeka, Croatia, 2012.
- CC4. **Grigorie, T.L.**, Botez, R.M., Chapter 11 “*Modelling and simulation based Matlab/Simulink of a strap-down inertial navigation system’ errors due to the inertial sensors*”, in the book “*Matlab applications for the practical engineer*”, edited by Kelly Bennett, ISBN 978-953-51-1719-3, Published by InTech, DOI: 10.5772/57583, pages 34 (305-338), 8 September, Rijeka, Croatia, 2014
- CC5. **Grigorie, T.L.**, Botez, R.M., Chapter 13 “*Precision Improvement in Inertial Miniaturized Navigators Based on Fuzzy Logic Denoising of Sensors Signals*” in the book „*Modern Fuzzy Control Systems and Its Applications*”, edited by S. Ramakrishnan, ISBN 978-953-51-3390-2, Print ISBN 978-953-51-3389-6, Published by: InTech,, DOI: 10.5772/67966, pages 22 (257-278), August 30, Rijeka, Croatia, 2017
- CC6. **Grigorie, T.L.**, Botez, R.M., Chapter 12 “*Control Techniques for a Smart Actuated Morphing Wing Model: Design, Numerical Simulation and Experimental Validation*”, in the book “*Morphing Wing Technologies - Large Commercial Aircraft and Civil Helicopters*”, edited by Antonio Concilio, Ignazio Dimino, Leonardo Lecce, and Rosario Pecora, ISBN: 978-0-08-100964-2, Published by: Elsevier Ltd., pages 47 (351-397), Oxford, UK, 2018
- CC7. Antofie, B.G., Larco, M.C., **Grigorie, T.L.** “*Improvement of the Global Positioning Accuracy with Miniaturized Strap-Down INS Systems through Wavelet Filtering of Data from MEMS Inertial Sensors*”, in the book “*Wavelet Theory and Modern Applications*”, edited by S. Ramakrishnan, ISBN: 978-0-85466-235-7, Print ISBN 978-0-85466-236-4, Published by: InTech, DOI: 10.5772/intechopen.1003199, pages 20, November 21, Rijeka, Croatia, 2023

Cărți editate

- CE1. “*Fuzzy Controllers, Theory and Applications*”, Edited by **Teodor Lucian Grigorie**, ISBN 978-953-307-543-3, 382 pages, Publisher: InTech, Chapters published February 28, 2011 under CC BY-NC-SA 3.0 license, DOI: 10.5772/572.

Îndrumare de laborator

11. **Grigorie, T.L.** “*Echipamente de bord și navigație aeriană. Îndrumar de laborator - partea a II-a*”. SITECH, Craiova, Romania, 2013, pp. 1-180, ISBN: 978-606-11-3860-9.
12. **Grigorie, T.L.** “*Sisteme de navigație aerospațială. Îndrumar de laborator*”. SITECH, Craiova, Romania, 2008, pp. 1-146, ISBN: 978-973-746-786-7.

I. Articole publicate în reviste indexate ISI Web

- A1. Lungu, M.; **Grigorie, T.L.**; Butu, F.A.; Chen, M.; Flores, G. “*Integrated software and hardware platform for the guidance of the rockets with backstepping controller and strap-down inertial navigation system*”, Published in AEROSPACE SCIENCE AND TECHNOLOGY (ISI Journal), Volume: 172, MAY 2026, Article Number: 111669, DOI: 10.1016/j.ast.2026.111669, Document Type: Article, Accession Number: WOS: 001677088300001, ISSN: 1270-9638, eISSN: 1626-3219. Publisher: ELSEVIER FRANCE-EDITIONS SCIENTIFIQUES MEDICALES ELSEVIER65 RUE CAMILLE DESMOULINS, CS50083, 92442 ISSY-LES-MOULINEAUX, FRANCE. Impact factor 2024: 5.8
- A2. Brinza, I.; **Grigorie, T.L.**; Cican, G. „*Design, Manufacturing and Experimental Validation of an Integrated Wing Ice Protection System in a Hybrid Laminar Flow Control Leading Edge Demonstrator*”. Published in APPLIED SCIENCES-BASEL (ISI Journal), Volume: 16, Issue: 3, JAN 2026, DOI: 10.3390/app16031347, Document Type: Article, eISSN: 2076-3417. Publisher: MDPI, MDPI AG, Grosspeteranlage 5, CH-4052 BASEL, SWITZERLAND. Impact factor 2024: 2.5
- A3. Topal, H.A.; **Grigorie, T.L.**, “*Microstrip Patch Antenna for GNSS Applications*”. Published in APPLIED SCIENCES-BASEL (ISI Journal), Volume: 15, Issue: 19, OCT 2 2025, Article Number: 10663, DOI: 10.3390/app151910663, Document Type: Article, Accession Number: WOS: 001594628000001, eISSN: 2076-3417. Publisher: MDPI, MDPI AG, Grosspeteranlage 5, CH-4052 BASEL, SWITZERLAND. Impact factor 2024: 2.5
- A4. Sterpu, D.A.; Mariuta, D.; Cican, G.; Larco, C.M.; **Grigorie, L.T.** “*Machine Learning Prediction of*

- Airfoil Aerodynamic Performance Using Neural Network Ensembles*". Published in APPLIED SCIENCES-BASEL (ISI Journal), Volume: 15, Issue: 14, JUL 2 2025, Article Number: 7720, DOI: 10.3390/app15147720, Document Type: Article, Accession Number: WOS: 001549383300001, eISSN: 2076-3417. Publisher: MDPI, MDPI AG, Grosspeteranlage 5, CH-4052 BASEL, SWITZERLAND. Impact factor 2024: 2.5
- A5. Vidan, C.; Avram, A.; **Grigorie, T.L.**; Cican, G.; Nacu, M., "*Exploring Carbon-Fiber UAV Structures as Communication Antennas for Adaptive Relay Applications*", Published in ELECTRONICS (ISI Journal), Volume: 14, Issue: 12, JUN 18 2025, Article Number: 2473, DOI: 10.3390/electronics14122473, Document Type: Article, Accession Number: WOS: 001515433400001, eISSN: 2079-9292. Publisher: MDPI, MDPI AG, Grosspeteranlage 5, CH-4052 BASEL, SWITZERLAND. Impact factor 2024: 2.6
- A6. Dinca, L.; Corcau, J.I.; **Grigorie, T.L.**; Cucu, A.A.; Vasilescu, B., "*Studies on the Thermal Behavior of an Electro-Hydrostatic Servo Actuator*", Published in ACTUATORS (ISI Journal), Volume: 14, Issue: 2, FEB 2025, Article number: 48, Document Type: Article, Accession Number: WOS: 001429868900001, eISSN: 2076-0825. Publisher: MDPI, MDPI AG, Grosspeteranlage 5, CH-4052 BASEL, SWITZERLAND. Impact factor 2024: 2.3
- A7. Feraru, M.D.; Mariuta, D.; Stoia-Djeska, M.; **Grigorie, L.T.**, "*Numerical Investigation of an NACA 13112 Morphing Airfoil*", Published in BIOMIMETICS (ISI Journal), Volume: 9, Issue: 10, OCT 2024, Article number: 635, DOI: 10.3390/biomimetics9100635, Document Type: Article, Accession Number: WOS: 001341838200001, eISSN: 2313-7673. Publisher: MDPI, MDPI AG, Grosspeteranlage 5, CH-4052 BASEL, SWITZERLAND. Impact factor 2024: 3.9
- A8. Mustata, M.S., **Grigorie, T.L.**, "*A Low-Cost Redundant Attitude System for Small Satellites, Based on Strap-Down Inertial Techniques and Gyro Sensors Linear Clustering*", Published in APPLIED SCIENCES-BASEL (ISI Journal), Volume: 14, Issue: 15, AUG 2024, Article number: 6585, DOI: 10.3390/app14156585, Document Type: Article, Accession Number: WOS: 001286905600001, eISSN: 2076-3417. Publisher: MDPI, MDPI AG, Grosspeteranlage 66, CH-4052 BASEL, SWITZERLAND. Impact factor 2023: 2.5
- A9. Sterpu, D.A.; Mariuta, D., **Grigorie, T.L.**, "*A UDF-Based Approach for the Dynamic Stall Evaluation of Airfoils for Micro-Air Vehicles*", Published in BIOMIMETICS (ISI Journal), Volume: 9, Issue: 6, JUN 2024, Article number: 339, DOI: 10.3390/biomimetics9060339, Document Type: Article, Accession Number: WOS: 001254625400001, eISSN: 2313-7673. Publisher: MDPI, MDPI AG, Grosspeteranlage 66, CH-4052 BASEL, SWITZERLAND. Impact factor 2023: 3.4
- A10. Alexa, O.; Ciobotaru, T.; Vinturis, V.M.; Grigore, L.S.; Tiganasu, D., **Grigorie, T.L.**, "*A theoretical approach for modeling unmanned ground vehicle dynamics*", Published in INGINERIA AUTOMOBILULUI (ISI Journal), Issue: 70, MAR 2024, Document Type: Article, Accession Number: WOS: 001186398200004, ISSN: 1842-4074. Publisher: SOC AUTOMOTIVE ENGINEERS ROMANIA, BUCURESTI 00000, ROMANIA. Impact factor 2023: 0.1
- A11. **Grigorie, T.L.**, Botez, R.M., "*A Self-Tuning Intelligent Controller for a Smart Actuation Mechanism of a Morphing Wing Based on Shape Memory Alloys*", Published in ACTUATORS (ISI Journal), Volume: 12, Issue: 3, SEP 2023, Article number: 350, DOI: 10.3390/act12090350, Document Type: Article, Accession Number: WOS: 001071047000001, eISSN: 2076-0825. Publisher: MDPI, MDPI AG, Grosspeteranlage 66, CH-4052 BASEL, SWITZERLAND. Impact factor 2023: 2.2
- A12. Alexa, O.; Ciobotaru, T.; Grigore, L.S., **Grigorie, T.L.**, Stefan, A., Oncioiu, I., Priescu, I., Vladescu, C., "*A Review of Mathematical Models Used to Estimate Wheeled and Tracked Unmanned Ground Vehicle Kinematics and Dynamics*", Published in MATHEMATICS (ISI Journal), Volume: 11, Issue: 17, SEP 2023, Article number: 3735, DOI: 10.3390/math11173735, Document Type: Review, Accession Number: WOS: 001062835400001, eISSN: 2227-7390. Publisher: MDPI, MDPI AG, Grosspeteranlage 66, CH-4052 BASEL, SWITZERLAND. Impact factor 2023: 2.3
- A13. **Grigorie, T.L.**, Khan, S., Botez, R.M., Mamou, M., Mebarki, Y., "*Design and experimental testing of a control system for a morphing wing model actuated with miniature BLDC motors*", Published in CHINESE JOURNAL OF AERONAUTICS (ISI Journal), Volume: 33, Issue: 4, APR 2020, Pages: 1272-1287, DOI: 10.1016/j.cja.2019.08.007, Document Type: Article, Accession Number: WOS: 000552306000002, ISSN: 1000-9361, eISSN: 2588-9230, Publisher: ELSEVIER SCIENCE INC, STE 800, 230 PARK AVE, NEW YORK, NY 10169 USA. Impact factor 2019: 2.215
- A14. Hashemi, S.M., Botez, R.M., **Grigorie, T.L.**, "*New Reliability Studies of Data-Driven Aircraft Trajectory Prediction*", Published in AEROSPACE (ISI Journal), Volume: 7, Issue: 10, OCT 2020, Pages: 1-19, DOI: 10.3390/aerospace7100145, Document Type: Article, Accession Number: WOS:

- A15. Khan, S., **Grigorie, T.L.**, Botez, R.M., Mamou, M., Mebarki, Y. “*Novel morphing wing actuator control-based Particle Swarm Optimisation*“. Published in AERONAUTICAL JOURNAL (ISI Journal), Volume: 124, Issue: 1271, JAN 2020, Pages: 55-75, DOI: 10.1017/aer.2019.114, Document Type: Article, Accession Number: WOS: 000504356300004, ISSN: 0001-9240, eISSN: 2059-6464, Publisher: CAMBRIDGE UNIV PRESS, EDINBURGH BLDG, SHAFTESBURY RD, CB2 8RU CAMBRIDGE, ENGLAND. Impact factor 2019: 0.663
- A16. Khan, S., **Grigorie, T.L.**, Botez, R.M., Mamou, M., Mebarki, Y. “*Fuzzy Logic-Based Control for a Morphing Wing Tip Actuation System: Design, Numerical Simulation, and Wind Tunnel Experimental Testing*“. Published in BIOMIMETICS (ISI Journal), Volume: 4, Issue: 4, DEC 2019, Article Number: 65, Pages: 1-22, DOI: 10.3390/biomimetics4040065, Document Type: Article, Accession Number: WOS: 000505524300006, eISSN: 2313-7673, Publisher: MDPI, ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND. Impact factor: 0
- A17. Kammegne, M.J.T., Botez, R.M., **Grigorie, T.L.**, Mamou, M., Mebarki, Y. “*A new hybrid control methodology for a morphing aircraft wing-tip actuation mechanism*“. Published in AERONAUTICAL JOURNAL (ISI Journal), Volume: 123, Issue: 1269, NOV 2019, Pages: 1757-1787, DOI: 10.1017/aer.2019.106, Document Type: Article, Accession Number: WOS: 000511378600001, ISSN: 0001-9240, eISSN: 2059-6464, Publisher: CAMBRIDGE UNIV PRESS, EDINBURGH BLDG, SHAFTESBURY RD, CB2 8RU CAMBRIDGE, ENGLAND. Impact factor 2018: 0.976
- A18. Kammegne, M.J.T., Tondji, Y., Botez, R.M., **Grigorie, T.L.**, Mamou, M., Mebarki, Y. „*New control methodology for a morphing wing demonstrator*“, Published in PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING (ISI Journal), Volume: 232, Issue: 8, JUN 2018, Pages: 1479-1494, DOI: 10.1177/0954410017699003, Document Type: Article, Accession Number: WOS:000433436100007, ISSN: 0954-4100, eISSN: 2041-3025, Publisher: SAGE PUBLICATIONS LTD, 1 OLIVERS YARD, 55 CITY ROAD, LONDON EC1Y 1SP, ENGLAND. Impact factor 2017: 1.038
- A19. Botez, R.M., Koreanschi, A., Gabor, O.S., Tondji, Y., Guezguez, M., Kammegne, J.T., **Grigorie, L.T.**, Sandu, D., Mebarki, Y., Mamou, M., Amoroso, F., Pecora, R., Lecce, L., Amendola, G., Dimino, I., Concilio, A. „*Numerical and experimental transition results evaluation for a morphing wing and aileron system*“, Published in AERONAUTICAL JOURNAL (ISI Journal), Volume: 122, Issue: 1251, MAY 2018, Pages: 747-784, DOI: 10.1017/aer.2018.15, Document Type: Article, Accession Number: WOS:000431481600004, ISSN: 0001-9240, eISSN: 2059-6464, Publisher: CAMBRIDGE UNIV PRESS, EDINBURGH BLDG, SHAFTESBURY RD, CB2 8RU CAMBRIDGE, ENGLAND. Impact factor 2017: 0.696
- A20. Kammegne, M.J.T., Botez, R.M., **Grigorie, T.L.**, Mamou, M., Mebarki, Y. „*Proportional fuzzy feed-forward architecture control validation by wind tunnel tests of a morphing wing*“, Published in CHINESE JOURNAL OF AERONAUTICS (ISI Journal), Volume: 30, Issue: 2, APR 2017, Pages: 561-576, DOI: 10.1016/j.cja.2017.02.001, Document Type: Article, Accession Number: WOS:000401138900009, ISSN: 1000-9361, Publisher: ELSEVIER SCIENCE INC, 360 PARK AVE SOUTH, NEW YORK, NY 10010-1710 USA. Impact factor 2017: 1.614 (Premiul UEFISCDI/PN III, Subprogramul 1.1/2017)
- A21. Kammegne, M.J.T., **Grigorie, T.L.**, Botez, R.M., Koreanschi, A. “*Design and wind tunnel experimental validation of a controlled new rotary actuation system for a morphing wing application*“, Published in PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING (ISI Journal), Volume: 230, Issue: 1, JAN 2016, Pages: 132-145, DOI: 10.1177/0954410015588573, Document Type: Article, Accession Number: WOS:000367401400010, ISSN: 0954-4100, eISSN: 2041-3025. Publisher: SAGE PUBLICATIONS LTD, 1 OLIVERS YARD, 55 CITY ROAD, LONDON EC1Y 1SP, ENGLAND. Impact factor 2016: 0.809
- A22. Kammegne, M.J.T., **Grigorie, T.L.**, Botez, R.M., „*Design, numerical simulation and experimental testing of a controlled electrical actuation system in a real aircraft morphing wing model*“, Published in AERONAUTICAL JOURNAL (ISI Journal), Volume: 119, Issue: 1219, SEP 2015, Pages: 1047-1072, Document Type: Article, Accession Number: WOS:000361932800001, ISSN: 0001-9240, Publisher: ROYAL AERONAUTICAL SOC, 4 HAMILTON PL, LONDON W1J 7BQ, ENGLAND. Impact factor 2015: 0.537
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