Universitatea din Craiova
Facultatea de Inginerie Electrica
Departamentul Inginerie Electrica, Energetica si Aerospatiala

LISTA DE LUCRARI

Cadru didactic: ***Alexandru-Nicolae TUDOSIE***
Funcţia: ***Conferenţiar***

1 Cărţi şi capitole în cărţi de specialitate

1.1 Cărţi / capitole ca autor

1.1.1 Internaţionale

Nr.crt	*Descriere*	*Nr. Pag.*	*Autor(i)*
1.	**Cap. 11-** ***Aircraft Gas-Turbine Engine's Control Based on the Fuel Injection Control*** in *AERONAUTICS AND ASTRONAUTICS*, Ed. INTECH, Rijeka, Croatia, 2011, ISBN-978-953-307-473-3, InTech, DOI: 10.5772/17986, (610 pag.) editor Prof.Max Mulder. http://www.intechopen.com/books/aeronautics-and-astronautics/aircraft-gas-turbine-engine-s-control-based-on-the-fuel-injection-control	26 (pp.305-331)	Tudosie Alexandru-Nicolae
2	**Cap. 4-** ***Aircraft Gas-Turbine Engine with Coolant Injection for Effective Thrust Augmentation*** in *AIRCRAFT TECHNOLOGY*, Ed. IntechOpen, London, UK, 2018, ISBN 978-1-78923-644-6;DOI: 105772/intechopen 70078 (169 pag.) Editor Melih Cemal Kushan	28 (pp 77-104)	Tudosie Alexandru-Nicolae

1.1.2 Naţionale (recunoscute CNCSIS)

Nr.crt	*Descriere*	*Nr. Pag.*	*Nr.Aut.*
1.	*LUNGU, R.,* ***TUDOSIE, A.,*** *DINCĂ, L.* - MECANICA FLUIDELOR ȘI TERMODINAMICĂ TEHNICĂ**,** *Editura SITECH, Craiova, 2004*	476	3
2.	***TUDOSIE, A.N*** -TERMODINAMICĂ TEHNICĂ PENTRU AVIAȚIE**,** *Editura SITECH, Craiova, 2015.*	581	1

1.2 Materiale didactic / lucrări didactice

1.2.1 Manuale didactice / monografii

Nr.crt	*Descriere*	*Nr. Pag.*	*Nr.Aut.*
1.	**TUDOSIE, A.** - *AUTOMATIZAREA SISTEMELOR DE PROPULSIE AEROSPAȚIALĂ.* Tipografia Universității din Craiova, 2005	299	1

1.2.2 Îndrumare de laborator / aplicaţii

Nr.crt	*Descriere*	*Nr. Pag.*	*Nr. Aut.*
1.	**TUDOSIE, A.** - *TEORIA ȘI CONSTRUCȚIA SISTEMELOR DE PROPULSIE. Îndrumar pentru lucrări practice.* Editura SITECH, Craiova, 2005	106	1

Semnătura

2 Activitate publicistica

2.1 Articole în extenso reviste cotate şi în proceedings indexate ISI Thomson Reuters

Nr.crt	*Descriere (cu link)*	*Autor(i)*
1.	Gyro-System for Guidance with Magnetically Suspended Gyroscope, Using Control Laws Based on Dynamic Inversion MDPI Journal *Actuators*, Vol. 14, Issue 7 DOI: 10.3390/act14070316	Lungu Romulus; Mihai Constantin Adrian; Tudosie Alexandru-Nicolae;
2.	Guidance Gyro System with Two Gimbals and Magnetic Suspension Gyros Using Adaptive-Type Control Laws MDPI Journal *Micromachines*, Vol. 16, Issue 3 DOI: 10.3390/mi16030245	Lungu Romulus; Mihai Constantin Adrian; Tudosie Alexandru-Nicolae;
3.	Four-stage cascaded adaptive sliding mode control for automatic carrier landing with airwake disturbances and uncertainties *APPLIED MATHEMATICAL MODELLING*, Vol. 138, Part A DOI: 10.1016/j.apm.2024.115729	Dinu (Vilcica) Dana Aurelia; Lungu Mihai-Aureliu; Mou Chen; Tudosie Alexandru-Nicolae
4.	Evaluation of a Turbojet Engine with Water Injection for Aircraft Use as Controlled Object MDPI Journal *Aerospace*, Vol. 12, Issue 1, pp. 13-39, 2024 DOI: doi.org/10.3390/aerospace12010013	Tudosie Alexandru-Nicolae, Lungu Mihai-Aureliu
5.	Actuators with Two Double Gimbal Magnetically Suspended Control Moment Gyros for the Attitude Control of the Satellites MDPI Journal *Micromachines*, Vol. 15, Issue 9, pp. 1159-1184, 2024 DOI: doi.org/10.3390/mi15091159	Lungu Romulus; Tudosie Alexandru-Nicolae; Lungu Mihai-Aureliu; Crăciunoiu Claudia
6.	TurboJet Engine with Variable Area Exhaust Nozzle for Aircraft Use as Controlled Object Proceedings of 10th International Conference on Control, Decision and Information Technologies (CoDIT 2024), Iulie 2024, La Valetta, Malta, DOI: 10.1109/CoDIT62066.2024.10708289	Tudosie Alexandru-Nicolae
7.	Aircraft Turbojet Engine with Afterburning as Controlled Object Proceedings of 25th International Carpathian Control Conference (ICCC 2024), Krynica Zdroj, Polonia, 2024, DOI: 10.1109/ICCC62069.2024.10569513	Tudosie Alexandru-Nicolae
8.	Study of an Aircraft Turbo-Jet Engine as Controlled Object Proceedings of 25th International Carpathian Control Conference (ICCC 2024), Krynica Zdroj, Polonia, 2024, DOI: 10.1109/ICCC62069.2024.10569283	Tudosie Alexandru-Nicolae
9.	Mechanically Driven Pump Versus Electrically Driven Pump for Fuel Systems of Jet Engines Proceedings of International Conference on Applied and Theoretical Electricity (ICATE '24), Craiova, Romania, 2024. DOI: 10.1109/ICATE62934.2024.10748814	Tudosie Alexandru-Nicolae
10.	Study of an Aircraft Twin-Spool Single-Jet Turbo-Engine as Controlled Object Proceedings of International Conference on Applied and Theoretical Electricity (ICATE '24), Craiova, Romania, 2024. DOI: 10.1109/ICATE62934.2024.10748632	Tudosie Alexandru-Nicolae
11.	Speed Control System for a Low-bypass Turbofan with Coolant Injection into its Compressor	Tudosie Alexandru-Nicolae

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Nr.crt	Descriere (cu link)	Autor(i)
	Proceedings of 24th International Carpathian Control Conference (ICCC 2023), Szilvasvarad, Ungaria, 2023, DOI: 10.1109/ICCC57093.2023.10178890	
12.	Mathematical Model of a Low-bypass Turbofan with Coolant Injection into its Compressor Proceedings of 24th International Carpathian Control Conference (ICCC 2023), Szilvasvarad, Ungaria, 2023, DOI: 10.1109/ICCC57093.2023.10178952	Tudosie Alexandru-Nicolae
13.	Aircraft Jet-Engine Exhaust Nozzle with Pneumatic-Hydraulic Control Unit Proceedings of 9th International Conference on Control, Decision and Information Technologies (CoDIT 2023), Iulie 2023, Roma, Italia, DOI: 10.1109/CoDIT58514.2023.10284476	Tudosie Alexandru-Nicolae
14.	Control Law for the Air Inlet of a Supersonic Drone, Proceedings of 8th International Conference on Control, Decision and Information Technologies (CoDIT 2022), Mai 2022, Istanbul, Turcia, DOI: 10.1109/CoDIT55151.2022.9803926	Tudosie Alexandru-Nicolae
15.	Mathematical Model of a High-bypass Turbofan with Coolant Fluid Injection into its Compressor, Proceedings of 23rd International Carpathian Control Conference (ICCC 2022), Sinaia, Romania, 29 mai-1 iunie, 2022, DOI: 10.1109/ICCC54292.2022.9805949	Tudosie Alexandru-Nicolae
16.	Embedded Control System for an Aircraft High Bypass Turbofan with Coolant Injection into the Compressor, Proceedings of 23rd International Carpathian Control Conference (ICCC 2022), Sinaia, Romania, 29 mai-1 iunie, 2022, DOI: 10.1109/ICCC54292.2022.9805913	Tudosie Alexandru-Nicolae
17.	Coolant Injection System for Aircraft Engine Compressor Proceedings of 20th International Carpathian Control Conference (ICCC), Cracovia, Polonia, 26-29 mai 2019, pp. 169-174.	Tudosie Alexandru-Nicolae
18.	Coolant Injection System for an Aircraft Turboprop Engine as Controlled Object, Proceedings of ICMT'19 7th International Conference On Military Technologies, Brno, Cehia, 30-31 Mai 2019	Tudosie Alexandru-Nicolae
19.	Aircraft Single-Jet Engine with Hydro-Mechanical Thrust Augmentation System Based on Coolant Injection into the Compressor Proceedings of 20th International Carpathian Control Conference (ICCC), Cracovia, Polonia, 26-29 mai 2019, pp. 175-180.	Tudosie Alexandru-Nicolae
20.	Engine Speed Control Unit for an Aircraft Jet Engine with Coolant Injection into the Combustor Proceedings of International Conference on Applied and Theoretical Electricity (ICATE), Craiova, Romania, 04-06 oct. 2018.	Tudosie Alexandru-Nicolae
21.	Injection System for an Aircraft Jet Engine with Coolant Injection into the Combustor Proceedings of International Conference on Applied and Theoretical Electricity (ICATE), Craiova, Romania, 04-06 oct. 2018.	Tudosie Alexandru-Nicolae
22.	Embedded Control System for an Aircraft Two-Spool Jet Engine with Coolant Injection into the Compressor Proceedings of 19th International Carpathian Control Conference (ICCC), Szilvasvarad, HUNGARY, 28-31 mai, 2018, pp. 67-72.	Tudosie Alexandru-Nicolae

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Nr.crt	Descriere (cu link)	Autor(i)
23.	Mathematical Model of a Two-Spool Jet Engine with Coolant Injection into the Compressor Proceedings of 19th International Carpathian Control Conference (ICCC), Szilvasvarad, HUNGARY, 28-31 mai, 2018, pp. 92-97.	Tudosie Alexandru-Nicolae
24.	Control Law for the Air Inlet of a High Supersonic Velocity Aerial Vehicle Proceedings of INTERNATIONAL CONFERENCE ON CONTROL, ARTIFICIAL INTELLIGENCE, ROBOTICS & OPTIMIZATION (ICCAIRO), Prague, Czech Republic, 19-21 mai, 2018. DOI10.1109/ICCAIRO.2018.00010	Tudosie Alexandru-Nicolae
25.	Hydro-Mechanical Fuel Flow Controller for Aircraft Jet Engines (Proceedings of International Carpathian Control Conference ICCC'2017, Sinaia, Romania, mai 2017, pp1-6)	Tudosie Alexandru-Nicolae
26.	Aircraft Single-Jet Engine with Hydro-Mechanical Fuel Flow Controller (Proceedings of International Carpathian Control Conference ICCC'2017, Sinaia, Romania, mai 2017, pp1-6)	Tudosie Alexandru-Nicolae
27.	Mathematical Model of an Indirect Action Fuel Flow Controller for Aircraft Jet Engines (Proceedings ofInternational Conference on Applied Mathematics and Computer Science ICAMCS2017, 978-0-7354-1506-5, pp. 020063-1 - 020063-10, ian. 2017, Roma, http://aip.scitation.org/doi/abs/10.1063/1.4982003)	Tudosie Alexandru-Nicolae
28.	Aircraft Dual-Shaft Jet Engine with Indirect Action Fuel Flow Controller (Proceedings ofInternational Conference on Applied Mathematics and Computer Science ICAMCS2017, ian. 2017, Roma, 978-0-7354-1506-5, pp. 020064-1 - 020064-10, http://aip.scitation.org/doi/abs/10.1063/1.4982004)	Tudosie Alexandru-Nicolae
29.	Fuzzy Energy Management for Hybrid Fuel Cell/Battery Systems for More Electric Aircraft (Proceedings ofInternational Conference on Applied Mathematics and Computer Science ICAMCS2017, ian. 2017, Roma, 978-0-7354-1506-5, UNSP 020056	Corcau Jenica-Ileana; Grigorie Teodor-Lucian; Tudosie Alexandru-Nicolae
30.	Identification and Compensation of the Temperature Influences in a Miniature Three-Axial Accelerometer Based on the Least Squares Method (Proceedings ofInternational Conference on Applied Mathematics and Computer Science ICAMCS2017, ian. 2017, Roma, 978-0-7354-1506-5, UNSP 020057 http://aip.scitation.org/doi/abs/10.1063/1.4982004)	Corcau Jenica-Ileana; Grigorie Teodor-Lucian; Tudosie Alexandru-Nicolae
31.	Aircraft Engine With Coolant Injection Into Its Compressor And Flow Rate Controller As Controlled Object (Proceedings of the13th International Conference on Applied and Theoretical Electricity ICATE 2016, Craiova 06-08 oct. 2016)	Tudosie Alexandru-Nicolae
32.	Aircraft Landing With Decelerated Approach (Longitudinal Movement Model) (Proceedings of the13th International Conference on Applied and	Tudosie Alexandru-Nicolae; Butu Alin Florentin

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Nr.crt	Descriere (cu link)	Autor(i)
	Theoretical Electricity ICATE 2016, Craiova 06-08 oct. 2016)	
33.	*Speed Control System For A Jet-Engine With Fluid Injection Into Its Compressor* (Proceedings of the12th International Conference on Applied and Theoretical Electricity ICATE 2014, Craiova 23-25 oct. 2014) http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6972689	Tudosie Alexandru-Nicolae
34.	*Supplementary Fuel Control System For A Jet-Engine With Fluid Injection Into Its Combustor* (Proceedings of the12th International Conference on Applied and Theoretical Electricity ICATE 2014, Craiova 23-25 oct. 2014) (http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6972690	Tudosie Alexandru-Nicolae
35.	Aircraft Jet Engine Exhaust Nozzle Controller Based on Turbine Pressure Ratio Sensor with Micro-Jet System (Proc. Of 11th International Conference on Applied and Theoretical Electricity (ICATE 2012), Craiova 25-27 oct. 2012)	Tudosie Alexandru-Nicolae
36.	Aircraft Single-Spool Single-Jet Engine With Variable Area Exhaust Nozzle 11th International Conference on Applied and Theoretical Electricity (ICATE 2012), Craiova, 25-27 oct. 2012	Tudosie Alexandru-Nicolae
37.	Supersonic Air Inlet Control System Based On The Inner Channel Minimum Cross-Section Position Control (International Conference on Military Technologies ICMT 2009, Brno, Cehia, 5-6 Mai 2009)	Tudosie Alexandru-Nicolae
38.	Complex Control System for an Aircraft Supersonic Inlet (Proceedings of 13th WSEAS International Conference on SYSTEMS, Rhodos, Grecia, 22-24 iulie 2009, pp. 517-522)	Tudosie Alexandru-Nicolae
39.	Fuel Injection Controller for Aircraft Jet Engine Based on Injection Pressure Control (Proceedings of 8th WSEAS International Conference on System Science and Simulation in Engineering, Univ. of Genova, Italia, 17-19 oct. 2009, pp. 107-112)	Tudosie Alexandru-Nicolae
40.	Fuel Injection Controller with Barometric and Air Flow Rate Correctors (Proceedings of 8th WSEAS International Conference on System Science and Simulation in Engineering, Univ. of Genova, Italia, 17-19 oct. 2009, pp. 113-118)	Tudosie Alexandru-Nicolae
41.	The Effect Of Defuzzification Method Type On The Fuzzy Logic Control Of Dc To Dc Converters (Proceedings of 8th WSEAS International Conference on Power Systems, Univ Cantabria, Santander, Spania, 23-25 sept. 2008, pp. 160-163)	Corcau Jenica; Stoenescu Eleonor; Tudosie Alexandru-Nicolae
42.	Electro-hydrostatic Servo-actuators for Aircraft (Proceedings of 7th WSEAS International Conference on System Science and Simulation in Engineering, Venetia, Italia, 21-23 noiembrie 2008, pp. 217-222)	Dinca Liviu; Corcau Jenica; Lungu Mihai-Aureliu; Tudosie Alexandru-Nicolae
43.	Aircraft Double-Spool Single Jet Engine's Model (Proceedings of 7th WSEAS International Conference on System Science and Simulation in Engineering, Venetia, Italia, 21-23 noiembrie 2008, pp. 229-234)	Lungu Romulus; Dincá Liviu; Tudosie Alexandru-Nicolae;
44.	Jet engine's speed controller with constant pressure chamber	Tudosie Alexandru-Nicolae

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Nr.crt	Descriere (cu link)	Autor(i)
	(Proceedings of 9th WSEAS International Conference on Automation and Information, Bucuresti, Romania, 24-26 iunie 2008, pp. 560-565)	
45.	Discrete Command Law Of The Longitudinal Movement Of The Aircrafts (Proceedings of International Conference on Military Technologies ICMT 2007, Univ of Defense, Brno, Cehia, 3-5 mai 2007, pp. 324-329).	Lungu Romulus; Lungu Mihai-Aureliu; Tudosie Alexandru-Nicolae
46.	Supersonic Air Inlet's Control System Based On The Inner Normal Shock Wave's Position Stabilisation (Proceedings of International Conference on Military Technologies ICMT 2007, Univ of Defense, Brno, Cehia, 3-5 mai 2007, pp. 342-349).	Tudosie Alexandru-Nicolae

2.2 Articole în reviste si volume ale unor manifestări ştiinţifice, indexate în alte baze de date internaţionale

Nr crt	Descriere (cu link)	BDI	Autor(i)
1.	*Considerations Regarding Jet Engine Combustor Parameters,* Review of the Air Force Academy, No.1 (45)/2022, pp 53-62, Brasov, Romania, DOI: 10.19062/1842-9238.2022.20.1.6	EBSCO Copernicus	Prisacariu Vasile; Tudosie Alexandru-Nicolae
2.	*Supersonic Air Inlet For A High Velocity Propulsion System,*Proceedings of Scientific Research & Education in the Air Force-AFASES 2021, Brasov, Romania, DOI: 10.19062/2247-3173.2021.22.19, *https://www.afahc.ro/ro/afases/2021/19-AlexandruNicolaeTUDOSIE,VasilePRISACARIU.pdf*	EBSCO Copernicus	Tudosie Alexandru-Nicolae Prisacariu Vasile
3.	*Method Of Control Of Aircraft Center Of Gravity Based On The Fuel Consumption Order (21st INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2019, Brasov, 28 May -2 June 2019); "Scientific research and education in the Air Force"; pp. 243-252; DOI:10.19062/2247-3173.2019.21.28*	EBSCO Copernicus	Tudosie Alexandru-Nicolae Negrea Petre Vaduvescu Vlad
4.	*Control Law For An Aircraft Supersonic Air Inlet With Internal Compression* (21st INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2019, Brasov, 28 May -2 June 2019); "Scientific research and education in the Air Force"; pp. 243-252; DOI:10.19062/2247-3173.2019.21.27	EBSCO Copernicus	Tudosie Alexandru-Nicolae Paunescu Madalina; Dumitru Emanuel
5.	*Axisymmetric Frontal Supersonic Inlet For Trisonic Aircraft* (20th INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2018, Brasov, 22-23 May 2018); "Scientific research and education in the Air Force"; pp. 243-252; DOI:10.19062/2247-3173.2018.20.33	EBSCO Copernicus	Tudosie Alexandru-Nicolae
6.	*Automatic Control System For Supersonic Inlet's Centerbody's Positioning* (20th INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2018, Brasov, 22-23 May 2018); "Scientific research and education in the Air Force"; pp. 243-252; DOI:10.19062/2247-3173.2018.20.34	EBSCO Copernicus	Tudosie Alexandru-Nicolae
7.	*Pneumo-Hydro-Mechanical Control System For An Aircraft Supersonic Inlet With Mobile Ramp.* Review of the Air Force Academy, vol XV, No. 1 (33)/2017; pp.123-130;	EBSCO Copernicus	Tudosie Alexandru-Nicolae

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Nr crt	Descriere (cu link)	BDI	Autor(i)
	DOI: 10.19062/1842-9238.2017.15.1.16		
8.	*Mathematical Model For An Aircraft Turboshaft-Type Auxiliary Power Unit.* Review of the Air Force Academy, vol XV, No. 3 (35)/2017; pp. 161-170. DOI: 10.19062/1842-9238.2017.15.3.21	EBSCO Copernicus	Tudosie Alexandru-Nicolae
9.	*Control Laws For An Aircraft Supersonic Inlet With Mobile Panel* (19th INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2017, Brasov, 25-27 May 2017); "Scientific research and education in the Air Force"; pp. 233-242; DOI: 10.19062/2247-3173.2017.19.1.26.	EBSCO Copernicus	Tudosie Alexandru-Nicolae
10.	*Automatic Control System For An Aircraft Plan Supersonic Inlet With Mobile Panel* (19th INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2017, Brasov, 25-27 May 2017); "Scientific research and education in the Air Force"; pp. 243-252; DOI: 10.19062/2247-3173.2017.19.1.27.	EBSCO Copernicus	Tudosie Alexandru-Nicolae
11.	*Turboshaft-Type APU For Aircraft As Controlled Object* (INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2016, Brasov, 29-31 May 2016); "Scientific research and education in the Air Force"; pp. 93-100; DOI:10.19062/2247-3173.2016.18.1.12	EBSCO Copernicus	Tudosie Alexandru-Nicolae
12.	*Ground Test Facility For A Turboshaft-Type APU TG-16M For Passenger Aircraft* (INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2016, Brasov, 29-31 May 2016); "Scientific research and education in the Air Force"; pp. 85-91; DOI: 10.19062/2247-3173.2016.18.1.11	EBSCO Copernicus	Tudosie Alexandru-Nicolae
13.	Aircraft supersonic inlet with dual control system (WSEAS TRANSACTIONS on SYSTEMS, Volume 9, Issue 1, Ian. 2010, pp. 10-19)	ACM Digital Library, SCOPUS	Tudosie Alexandru-Nicolae Corcau Jenica Ileana
14.	Hydro-Mechanical Jet Engine's Speed Controller Based On The Fuel's Injection Pressure's Control (WSEAS TRANSACTIONS on SYSTEMS, Volume 7, Issue 10, oct. 2008, pp. 986-995)	ACM Digital Library,	Tudosie Alexandru-Nicolae
15.	Aircraft double-spool single jet engine with afterburning system (Proceedings of the 11th WSEAS international conference on Automation & information ICAI'08, Iasi, Romania, 13-15 iunie 2010, pp. 155-160)	ACM Digital Library, SCOPUS	Tudosie Alexandru-Nicolae Sepcu Lucian Constantin
16.	Mathematical model of a jet engine afterburning fuel system (Proceedings of the 11th WSEAS international conference on Automation & information ICAI'08, Iasi, Romania, 13-15 iunie 2010, pp. 143-148)	ACM Digital Library, SCOPUS	Tudosie Alexandru-Nicolae
17.	Air debit's automatic regulation in the aircrafts' cabins using a debit regulator with direct action (Proceedings of the 2010 international conference on Mathematical models for	ACM Digital Library,	Lungu Romulus Tudosie Alexandru-Nicolae Lungu Mihai

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Nr crt	Descriere (cu link)	BDI	Autor(i)
	engineering science, 2010, pp. 51-56)	SCOPUS	
18.	*Fuel Pump With Injection Pressure Chamber For A Jet Engine Afterburning System* (Revista ANALELE UNIVERSITATII DIN CRAIOVA - Seria Inginerie electrica, Volume 2010; 34(34); pp. 229–234) (http://jml2012.indexcopernicus.com/abstract.php?icid=929729&id_lang=3)	Copernicus	Tudosie Alexandru-Nicolae
19.	*Single-Spool Jet Engine For Aircraft With Afterburning System* (Revista ANALELE UNIVERSITATII DIN CRAIOVA - Seria Inginerie electrica, Volume 2010; 34(34); pp. 235–240) http://jml2012.indexcopernicus.com/abstract.php?icid=929734&id_lang=3	Copernicus	Tudosie Alexandru-Nicolae
20.	*Aircraft Jet Engine Exhaust Nozzle Controller Based on Turbine Pressure Ratio Sensor with Micro-Jet System* (Revista ANALELE UNIVERSITATII DIN CRAIOVA - Seria Inginerie electrica, Volume 2012; 36(36); pp. 437–442) http://jml2012.indexcopernicus.com/abstract.php?icid=1036583&id_lang=3	Copernicus	Tudosie Alexandru-Nicolae
21.	*Aircraft Single-Spool Single-Jet Engine with Variable Area Exhaust Nozzle* (Revista ANALELE UNIVERSITATII DIN CRAIOVA - Seria Inginerie electrica, Volume 2012; 36(36); pp. 443–448) http://jml2012.indexcopernicus.com/abstract.php?icid=1036585&id_lang=3	Copernicus	Tudosie Alexandru-Nicolae
22.	*Calculus elements for aircraft's cockpit pressure system design.* (Proceedings of the International Thermal Science Seminar - ITSS-II, 13-16 iunie 2004, Bled, Slovenia, C4-5, pag.25-28) http://dl.begellhouse.com/references/1bb331655c289a0a,5d7c6c6c58792bfa,614e3d8a21c08959.html	Begell House ICHMT DIGITAL LIBRARY ONLINE	Lungu Romulus Tudosie Alexandru-Nicolae Dinca Liviu
23.	*Wind tunnel experimental model for the measurement of the longitudinal movement characteristics of the aircraft*. (Proceedings of the International Thermal Science Seminar - ITSS-II, 13-16 iunie 2004, Bled, Slovenia, C4-5, pag. 29-32) http://dl.begellhouse.com/references/1bb331655c289a0a,5d7c6c6c58792bfa,450bf5ab33da2c80.html	Begell House ICHMT DIGITAL LIBRARY ONLINE	Lungu Romulus; Dinca Liviu; Tudosie Alexandru-Nicolae

2.3. Articole publicate în reviste naţionale si volumele unor manifestări ştiinţifice naţionale şi internaţionale neindexate

Nr. crt	Descriere	Autor(i)
1.	*Three dimensional flow in the combustion chamber of a turboreactor engine* (Craiova, 6-7 iunie 1996, pag. 196-201) Proceedings of the International Conference on Applied and Theoretical Electricity ICATE'96	Tudosie Alexandru-Nicolae

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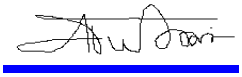
Nr. crt	*Descriere*	*Autor(i)*
2	*Performance criteria for the choice of temperature in the combustion chamber of a turboreactor engine* (Craiova, 6-7 iunie 1996, pag. 202-207) Proceedings of the International Conference on Applied and Theoretical Electricity ICATE'96	Tudosie Alexandru-Nicolae
3.	*Utilizarea undelor de soc pentru dispozitivele de admisie ale sistemelor de propulsie* (Academia Navalá "Mircea cel Báträn", Constanta, 5-7 noiembrie 1997, vol. III, pag.111-115) Proceedings a XV-a Sesiune de comunicári stiintifice a cadrelor didactice "125 de ani de ínvátámänt superior de mariná"	Tudosie Alexandru-Nicolae
4.	*Sistem automat hidromecanic de reglare a turatiei unui motor turboreactor* Volumul Sesiunii de comunicári stiintifice "25 de ani de ínvátámänt tehnic superior arádean" (Arad, 30-31 octombrie 1997, sectiunea 8, pag.177-184)	Tudosie Alexandru-Nicolae
5.	*Consideratii privind utilizarea legáturii inverse elastice ín cadrul sistemelor automate hidromecanice de reglare a turatiei motoarelor turboreactoare* Volumul Sesiunii de comunicári stiintifice "25 de ani de ínvátámänt tehnic superior arádean" (Arad, 30-31 octombrie 1997, sectiunea 11, pg.105-110)	Tudosie Alexandru-Nicolae
6.	*Sistem de reglare a turapiei motoarelor turboreactoare monorotoare prin controlul debitului de combustibil* Proceedings A XXVII- a Sesiune de comunicári stiintifice cu participare internationalá (Academia Tehnicá Militará Bucuresti, 13-14 noiembrie 1997, sectiunea 4, pag. 74-81)	Lungu Romulus; Tudosie Alexandru-Nicolae
7.	*Plan supersonic intake with reflected shock-wave* Proceedings of the International Conference on Applied and Theoretical Electricity ICATE 98 (Craiova, 4-5 iunie 1998, pag. 229-234)	Tudosie Alexandru-Nicolae
8.	*Operation of plan supersonic intakes in flight with attack-angle* Proceedings of the International Conference on Applied and Theoretical Electricity ICATE 98 (Craiova, 4-5 iunie 1998, pag. 235-240)	Tudosie Alexandru-Nicolae
9.	*Metoda de alegere a parametrilor functionali pentru un motor turboreactor* Buletinul Sesiunii de Comunicari Stiintifice al Academiei Aviatiei si Apararii Antiaeriene (Academia Aviatiei si Apararii Antiaeriene „Henri Coanda", Sectiunea „Organe de masini" Brasov, 19-20 nov. 1998, pag. 49-54)	Tudosie Alexandru-Nicolae
10.	*Sistem automat de reglare a unghiului de instalare a paletelor aparatului director al compresorului axial ín funcþie de pozitia manetei de comandá a motorului turboreactor* Proceedings a XVI-a Sesiune de comunicári stiintifice a cadrelor didactice (Academia Navalá "Mircea cel Báträn", Constanta, 3-5 iunie 1999, vol. III, pag.177-184)	Aron Ioan Tudosie Alexandru-Nicolae
11.	*Dispozitiv de admisie supersonic axial-simetric cu comprimare interioará* Proceedings a XVI-a Sesiune de comunicári stiintifice a cadrelor didactice (Academia Navalá "Mircea cel Báträn", Constanta, 3-5 iunie 1999, vol. III, pag.185-190)	Tudosie Alexandru-Nicolae
12.	*Hydro-mechanical system for the supersonic air inlet's channel's section control* Proceedings of the International Conference on Applied and Theoretical Electricity ICATE 2000 (Craiova, 25-26 mai 2000, pag. 266-269)	Aron Ioan Tudosie Alexandru-Nicolae

Semnătura

Nr. crt	*Descriere*	*Autor(i)*
13	*Hydromechanical system for the supersonic air inlet's central corp's positioning* Proceedings of the International Conference on Applied and Theoretical Electricity ICATE 2000 (Craiova, 25-26 mai 2000, pag. 270-275)	Tudosie Alexandru-Nicolae
14	*Sistem de reglare automatá a pozitiei voletilor ajutajului reactiv* Revista Constructia de Masini (RCM nr. 1/2001 (53) pp.78-81)	Lungu Romulus; Tudosie Alexandru-Nicolae; Corcau Jenica-Ileana
15	*Hydromechanical System for the Supersonic Air Intake's Central Corp's Positioning* Military Academy in Brno Revue (MABR nr. 1/2001, vol. B, pp. 55-70)	Tudosie Alexandru-Nicolae; Drágan Alexandru
16	*Studies concerning some follower systems* (The International Conference SIELMEC' 2001, Republica Moldova, Chisináu, 4-5 oct. 2001, pag. 125-129)	Lungu Romulus; Tudosie Alexandru-Nicolae;
17	*Sistem automat de reglare a ariei A5 a sectiunii de evacuare a ajutajului de reactie al unui motor turboreactor* Proceedings of The 17th International Symposium on Naval and Marine Education (Constanta, 24-26 mai 2001, sect. III, pag 36-45)	Aron Ioan Tudosie Alexandru-Nicolae
18	*Model matematic pentru un sistem de reglare automatá a postcombustiei* Proceedings of The 17th International Symposium on Naval and Marine Education (Constanta, 24-26 mai 2001, sect. III, pag 26-35)	Tudosie Alexandru-Nicolae
19.	*Jet engine's temperature control unit* Proceedings of the International Conference on Applied and Theoretical Electricity ICATE 2002 (Craiova, 17-18 octombrie 2002, ICATE pag. 443-448)	Tudosie Alexandru-Nicolae
20.	*Rectangular supersonic air inlet with movable ramp* Proceedings of the International Conference on Applied and Theoretical Electricity ICATE 2002 (Craiova, 17-18 oct. 2002,ICATE, pag. 453-458)	Tudosie Alexandru-Nicolae
21.	*Limitator automat de temperaturá* (A XII-a Conferintá Nationalá de Termotehnicá, Constanta, 14-15 nov. 2002, vol. I, pag.143-148)	Tudosie Alexandru-Nicolae
22	*Sistem automat de control al debitului de combustibil injectat cu corector baroaltimetric* (A XII-a Conferintá Nationalá de Termotehnicá, Constanta, 14-15 nov. 2002, vol. II, pag. 253-263)	Tudosie Alexandru-Nicolae
23	*Flight optimization system based on the fuel consumption minimization criteria* Proceedings of the International Conference "Comunity, Army, Technology, Environment" CATE 2003, (Brno, Republica Cehá, 28-30 aprilie 2003, 8 pag.)	Lungu Romulus; Tudosie Alexandru-Nicolae;
24	*Supersonic air-inlet simulation (algorithm and program)* Proceedings of the International Conference "Comunity, Army, Technology, Environment" CATE 2003, (Brno, Republica Cehá, 28-30 aprilie 2003, 7 pag.)	Tudosie Alexandru-Nicolae; Drágan Alexandru
25.	*Automat de pornire de tip deschis pentru un motor turboreactor* Buletinul Academiei Fortelor Terestre Sibiu, ISBN 973-8088-92-5 (Sesiunea de Comunicári Stiintifice "Eficientá si calitate ín ínvátámäntul superior", 10-11 iunie 2004, Sibiu; publ. pag. 126-135)	Tudosie Alexandru-Nicolae;

Semnătura 

Nr. crt	*Descriere*	*Autor(i)*
26	*Automat de pornire de tip inchis pentru un motor turboreactor* Buletinul Academiei Fortelor Terestre Sibiu, ISBN 973-8088-92-5 (Sesiunea de Comunicári Stiintifice "Eficientá si calitate ín ínvátámäntul superior", 10-11 iunie 2004, Sibiu; publ. pag. 136-145)	Tudosie Alexandru-Nicolae;
27	*Aircraft control using the engines*. Proceedings of 24th Congress of the International Council of the Aeronautical Sciences (29 aug.-3 sept. 2004, Yokohama, Japonia, ICAS-2004 P.9 / R 7.32, 8 pag.)	Lungu Romulus; Tudosie Alexandru-Nicolae;
28	*Two-shaft single-jet engine's rotation speed automatic control* Proceedings of The International Conference on Applied and Theoretical Electricity, ICATE 2004 (ICATE, Craiova, 14-15 oct. 2004, pag. 558-565	Tudosie Alexandru-Nicolae
29	*Automatic control system for a two-shaft single-jet engine with after-burner* Proceedings of The International Conference on Applied and Theoretical Electricity, ICATE, Craiova, 14-15 oct. 2004, pag. 566-569	Tudosie Alexandru-Nicolae
30	*A possibility of an airplane's lateral movement's control* Proceedings of The International Conference on Applied and Theoretical Electricity, (ICATE, Craiova, 14-15 oct. 2004, pag. 552-557)	Lungu Romulus; Tudosie Alexandru-Nicolae; Lungu Mihai Aureliu
31	*Complex Rotation Speed Control System For Two Shafts Jet Engine* (Rev. Analele Universitátii din Craiova, 2006, nr. 30, pag.344-349)	Tudosie Alexandru-Nicolae
32	*Control System By Air Bleed Flaps For Supersonic Air Intakes* (Rev. Analele Universitátii din Craiova, 2006, nr. 30, pag. 353-358)	Tudosie Alexandru-Nicolae
33	*Fuel Flow Rate Controller With Respect To The Compressor's Pressure Ratio* (Rev. Analele Universitátii din Craiova, 2007, nr. 31, vol. I, pag. 99-104)	Tudosie Alexandru-Nicolae
34	*Turbo-Jet Engine's Rotation Speed Control System With Fuel Flow Rate Injection Controller* (Rev. Analele Universitátii din Craiova, 2007, nr. 31, vol. I, pag. 105-110)	Tudosie Alexandru-Nicolae
35	*Jet engine's rotation speed control based on the fuel injection differential pressure control* (Rev. Analele Universitátii din Craiova, 2008, nr. 32, pag. 231-238)	Tudosie Alexandru-Nicolae
36	*Jet engine's acceleration controller with respect to the rotation speed* Rev. Analele Universitátii din Craiova, 2008, nr. 32, pag. 239-244	Tudosie Alexandru-Nicolae
37	*Hydro-mechanical Jet Engine's Speed Controller Based on the Fuel's Injection Pressure's Control* . (WSEAS Transactions on Systems, Nr. 10, Vol. 7, Octombrie 2008, ISSN: 1109-2777, pag. 986 -995) http://www.wseas.us/e-library/transactions/systems/2008/28-150.pdf	Tudosie Alexandru-Nicolae
38	*Mathematical models and numerical simulations for electro-hydrostatic servo-actuators*. (International Journal of Mathematical Models and Methods in Applied Sciences, Issue 4, vol. 2, 2008, ISSN: 1998-0140, pag. 229-238)	Lungu Romulus; Dinca Liviu; Tudosie Alexandru-Nicolae;
39	*Double-spool Single Jet Engine for Aircraft as Controlled Object.* (International Journal of Mathematical Models and Methods in Applied Sciences, Issue 4, vol. 2, 2008, ISSN: 1998-0140, pag. 553 -562)	Lungu Romulus; Tudosie Alexandru-Nicolae; Dinca Liviu

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Nr. crt	*Descriere*	*Autor(i)*
40	*Aircraft Jet Engine Exhaust Nozzle Hydromechanical Automatic Control System* (INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2012, Brasov, 24-26 May 2012); "Scientific research and education in the Air Force", pp. 753-760 http://www.afahc.ro/afases/volum_afases_2012.pdf	Tudosie Alexandru-Nicolae
41	*Control System For a Single Spool Jet Engine With Variable-Area Exhaust Nozzle* (INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2012, Brasov, 24-26 May 2012); "Scientific research and education in the Air Force", pp. 761-766 http://www.afahc.ro/afases/volum_afases_2012.pdf	Tudosie Alexandru-Nicolae
42	*Multi-Ramp Fuel Injection System Automatic Control* (INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2013, Brasov, 23-25 May 2013); "Scientific research and education in the Air Force", pp. 457-464 http://www.afahc.ro/ro/afases/2013/eng_el/Tudosie_multi.pdf	Tudosie Alexandru-Nicolae
43	*Complex control system for a jet engine with afterburning and multi-ramp fuel system* (INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2013, Brasov, 23-25 May 2013); "Scientific research and education in the Air Force", pp. 449-456 http://www.afahc.ro/ro/afases/2013/eng_el/Tudosie_complex.pdf	Tudosie Alexandru-Nicolae
44	*Fuel Injection Dosage Control System with Air Pressure Correction* Recent Advances in Robotics, Aeronautical and Mechanical Engineering, Proceedings of 1st International Conference on Aeronautical and Mechanical Engineering AEME 13, ISSN 2227-4596, ISBN 978-1-61804-185-2 http://www.wseas.org/main/books/2013/Vouliagmeni/MRME.pdf (Vouliagmeni, Grecia, 14-16 mai 2013, pp. 177-182)	Tudosie Alexandru-Nicolae
45	*Aircraft Jet Engine Embedded Afterburning Automatic Control System* Recent Advances in Robotics, Aeronautical and Mechanical Engineering, Proceedings of 1st International Conference on Aeronautical and Mechanical Engineering AEME 13, ISSN 2227-4596, ISBN 978-1-61804-185-2 http://www.wseas.org/main/books/2013/Vouliagmeni/MRME.pdf (Vouliagmeni, Grecia, 14-16 mai 2013, pp. 183-188)	Tudosie Alexandru-Nicolae
46	*Fuzzy Logic Control of Fuel Cell Based Power Source for Aerospace Applications* Recent Advances in Robotics, Aeronautical and Mechanical Engineering, Proceedings of 1st International Conference on Aeronautical and Mechanical Engineering AEME 13, ISSN 2227-4596, ISBN 978-1-61804-185-2 http://www.wseas.org/main/books/2013/Vouliagmeni/MRME.pdf (Vouliagmeni, Grecia, 14-16 mai 2013, pp. 195-200)	Corcáu Jenica Ileana; Dincá Liviu; Grigorie Teodor-Lucian; Tudosie Alexandru-Nicolae

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Nr. crt	*Descriere*	*Autor(i)*
47	*Considerations Concerning Modelling, Analysis and Design of DC-DC Boost Converter Using* MULTISIM Recent Advances in Robotics, Aeronautical and Mechanical Engineering, Proceedings of 1st International Conference on Aeronautical and Mechanical Engineering AEME 13, ISSN 2227-4596, ISBN 978-1-61804-185-2 http://www.wseas.org/main/books/2013/Vouliagmeni/MRME.pdf (Vouliagmeni, Grecia, 14-16 mai 2013, pp. 201-206)	Dincá Liviu; Corcáu Jenica Ileana; Grigorie Teodor-Lucian; Tudosie Alexandru-Nicolae
48	*About the Capacitive Sensing of Acceleration and Miniaturised Strap-Down Inertial Navigation Systems* Recent Advances in Robotics, Aeronautical and Mechanical Engineering, Proceedings of 1st International Conference on Aeronautical and Mechanical Engineering AEME 13, ISSN 2227-4596, ISBN 978-1-61804-185-2 http://www.wseas.org/main/books/2013/Vouliagmeni/MRME.pdf (Vouliagmeni, Grecia, 14-16 mai 2013, pp. 211-217)	Grigorie Teodor-Lucian; Corcáu Jenica Ileana; Dincá Liviu; Tudosie Alexandru-Nicolae
49	*Afterburning Control System Based on Fuel Injection Dosage System with Respect to the Turbine's Pressure Ratio* (*Proceedings of 15th WSEAS International Conference on AUTOMATIC CONTROL, MODELLING & SIMULATION (ACMOS '13)*Brasov, Romania, 1-3 iunie 2013, pp.354-369) *ISSN: 1790-5117 ISBN: 978-1-61804-189-0 http://www.wseas.org/main/books/2013/Brasov/ACMOS.pdf*	Tudosie Alexandru-Nicolae
50	*Mathematical model for a jet engine with cooling fluid injection into its compressor* (INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2012, Brasov, 22-24 May 2014); "Scientific research and education in the Air Force", pp. 265-272 http://www.afahc.ro/ro/afases/2014/mecanica/Tudosie_compresor.pdf	Tudosie Alexandru-Nicolae
51	*Mathematical model for a jet engine with cooling fluid injection into its combustor* (INTERNATIONAL CONFERENCE OF SCIENTIFIC PAPER AFASES 2012, Brasov, 22-24 May 2014); "Scientific research and education in the Air Force", pp. 273-280 http://www.afahc.ro/ro/afases/2014/mecanica/Tudosie_combustor.pdf	Tudosie Alexandru-Nicolae

3 Granturi / proiecte câştigate prin competiţie

3.1 Director / Responsabil

3.1.2 Naţionale

Nr.crt	*Descriere*	*Nr.ani*
1	***Microlansator bazat pe motor cu detonatie (MIcro-Launcher based on Detonation Engine - MILADEE)*** Progr. STAR – Proiect nr. 174/20.07.2017 *Responsabil Partener 3 UCV* (Total proiect: 2.000.000 RON, din care UCV- 100.000)	3
2	***Cameră de detonaţie pulsatorie (PDC)*** (nr. 454PED/15.10.2020, finanţator UEFISCDI, în cadrul Programului P2 - Creşterea competitivităţii economiei româneşti prin cercetare, dezvoltare şi inovare, Subprogramul 2.1. Competitivitate prin cercetare, dezvoltare şi inovare - Proiect experimental - demonstrativ) *Responsabil Partener 2 UCV* (Total proiect: 600.000 RON, din care UCV- 50.000)	2

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3.2. Membru în echipă

3.2.2 Naţionale

Nr.crt	*Descriere*	*Nr.ani*
1	*Studii privind dinamica sistemelor giroscopice pentru stabilizare, navigație și dirijare* (3006/14C/C7/1994-Min Invatamantului)	1
2	*Compensatoare dinamice pentru sarcini variabile* (Nr.663/A11/1996) Ministerul Cercetării și Tehnologiei	1
3	*Sisteme, echipamente, tehnologii și tehnici avansate destinate creșterii gradului de protecție a infrastructurilor și obiectivelor de interes public și privat - AVPROT* (Nr. 81-005/2007 PNCDI II) Centrul National de Management Programe	3
4	*Servoactuator hidrostatic pentru aeronave - SAHA* (Nr 81-36/14.09.2007 PNCDI II) Centrul National de Management Programe	3
5	*Sistem Aerian Multifunctional cu grad ridicat de Autonomie pentru Supravegherea CAlitatii Mediului - SAMASCAM* (Nr. 82-072/01.10.2008 - PNCDI II) Centrul National de Management Programe	3
6	*Platformă Aeriană pentru Analiza Calităților de Zbor ale Aeronavelor utilizând Modele de Similitudine și Reducerea la Scară – PLATFUS* (Nr. 82-091/01.10.2008 - PNCDI II) Centrul National de Management Programe	3
7	*High-precision micro and nano smart sensors for space inertial navigation applications.* Program STAR. Beneficiar Agentia Spatiala Romana.	2

4. Proiecte de cercetare/consultanţă cu mediul economic

4.1 Director / Responsabil

Nr.crt	*Descriere*	*Nr.ani*
1	*Studii privind eficiența unui sistem de climatizare-presurizare* (Nr. 27C/11.05.2005); Beneficiar *S.C. AGEX GENERAL IMPEX București*	1

Data: 17.11.2025

Semnătura