Agenţia Română de Asigurare a Calităţii în Învăţământul Superior

A N E X A 4 . 1

Universitatea: ***Academia Tehnică Militară „Ferdinand I”***
Facultatea: **Facultatea de Sisteme Integrate de Armament, Geniu și Mecatronică**
Departament: Departamentul de Inginerie a Sistemelor de Armament și Mecatronică
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L I S T A
lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

"*Contribuţii la studiul performanţelor sistemelor de urmărire supuse perturbaţiilor*", Academia Tehnică Militară, 11 iunie 1999, conducător ştiinţific prof. univ. dr. ing. Romulus Petru OTLĂCAN

B. Cărţi si capitole în cărţi publicate

1. ***NUŢU Vasile***, "***Trageri aeriene şi bombardament. Modele matematice și algoritmi***", 284 pagini, Editura: Academia Tehnică Militară, 2021, **ISBN 978-973-640-330-0;**
2. ***NUŢU Vasile***, "***Controlul statistic. Sinteza planurilor de control***", 136 pagini, Editura Univers Ştiinţific, Bucureşti, 2008, **ISBN 978-973-8936-88-1;**
3. ***NUŢU Vasile***, "***Automatica. Elemente de analiza sistemelor liniare***", 366 pagini, Editura Academiei Tehnice Militare, Bucureşti, 2008, **ISBN 978-973-640-136-7;**
4. ***NUŢU Vasile***, "***Elemente de analiza sistemelor automate liniare***", 312 pagini, Editura Univers Ştiinţific, Bucureşti, 2007, **ISBN 978-973-8936-63-8;**
5. ***NUŢU Vasile***, Coman Adrian, "***Comanda rachetelor dirijate, Vol. I, Elemente de mecanica zborului rachetelor dirijate***", 124 pagini, Editura Academiei Tehnice Militare, 2006, **ISBN general (10) 973-640-080-8; (13) 978-973-640-080-3; ISBN Vol. I (10) 973-640-080-6; (13) 978-973-640-081-0;**
6. Coman Adrian, ***NUŢU Vasile***, "***Comanda rachetelor dirijate, Vol. II, Sisteme de acţionare a comenzilor rachetelor dirijate***", 260 pagini: Editura Academiei Tehnice Militare, 2006, **ISBN general (10) 973-640-080-8; (13) 978-973-640-080-3; ISBN Vol. I (10) 973-640-082-4; (13) 978-973-640-082-7;**
7. ***NUŢU Vasile***, Luca Răduţu, "***Sisteme de acţionare a comenzilor rachetei. Volumul 2***", 150 pagini, Editura: Academia Tehnică Militară, 2002, **ISBN-973-8290-41-4**;
8. ***NUŢU Vasile***,"***Trageri aeriene şi bombardament. Probleme fundamentale***", 200 pagini, Editura: Academia Tehnică Militară, 2000, **ISBN 973-9456-17-0;**
9. Constantin Gheorghe, ***NUŢU Vasile***, Puscaşu Penică, *"**Bazele construcţiei sistemelor de armament de aviaţie**"*, 600 pagini, Editura: Academia Militară, 1994;
10. Constantin Gheorghe, ***NUŢU Vasile***, *"**Bazele fiabilităţii sistemelor de armament**"*, 240 pagini, Editura: Academia Tehnică Militară, 1996;

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. ***Vasile NUŢU,*** Cristian-Emil MOLDOVEANU, ***"****Study on Percussive Operation of a Plan Mechanism with Perpendicular Displacements****",*** **MTA REVIEW,** ISSN 1843-3391**,** Vol. XXIV, No. 4/**2014**, pag 117-190;
2. ***Vasile NUŢU, "****A Movement Geometry Study for Two-Wheeled Mobiles on a Specified Surface****",*** **MTA REVIEW,** ISSN 1843-3391**,** Vol. XXIII, No. 1/**2013**, pag 5-22;
3. ***Vasile NUŢU,*** Vasile JIPA, Ioan POPA, "*The Evaluation of Absolute Positioning Accuracy of Mobile Objects Placed on the Mobile Platforms*", The Romanian Review Precision Mechanics, Optics & Mechatronics, **2011**, No. 39/2011**,** ISSN 1584-5982**,** pag 67-71;
4. **Vasile NUŢU**, "*The Evaluation of Absolute Positioning Accuracy of Mobile Objects Placed on the Mobile Platforms*", **MTA REVIEW,** ISSN 1843-3391**,** Vol. XX, No. 2/**2010**, pag 105-116;
5. **Vasile NUŢU**, Cristian-Emil MOLDOVEANU, Pamfil ŞOMOIAG, "*A method and an algorithm for obtaining the Stable Oscillatory Regimes Parameters of the Nonlinear Systems, with two time constants and Relay with Delay and Hysteresis*", WSEAS TRANSACTIONS on SYSTEMS and CONTROL, ISSN: 1991-8763, Issue 8, Volume 4, August **2009**, pag. 413-422, ***indexat BDI-COMPENDEX, SCOPUS***;

6. **Vasile NUŢU**, "*The oscillatory regime of nonlinear systems with relay and delay time*", **MTA REVIEW,** ISSN 1843-3391**,** Vol. XIX, No. 3/**2009**, pag 333-346.

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

1. **Vasile NUŢU, "***Modeling of The Real Movement in Resistant Environment of a Quadcopter***",** 1ST International Conference "New Challenges in Aerospace Sciences NCAS 2013", NOVEMBER 7-8, **2013**, BUCHAREST, ROMANIA, Issue I, ISSN(ISSM-L) 2344-4762**,** pag 246-249;
2. **Vasile NUŢU**, Moldoveanu Cristian, Şomoiag Pamfil, **"***Some aspects of the Oscillatory Regime of Nonlinear Systems with Relay and Delay Time***",** Proceedings of the 11th WSEAS International Conference on Automatic Control, Modelling and Simulation (ACMOS '09), Istanbul, Turkey, May 30-June 1, **2009** , ISSN: 1790-5117, ISBN: 978-960-474-082-6, page 395-400; http://www.wseas.us/books/2009/istanbul/ACMOS.pdf; poz 638, http://science. thomsonreuters.com/ m/ excel/ conference_titles_2009-2010.xls,
3. **Vasile NUŢU**, Moldoveanu Cristian, Şomoiag Pamfil, *"A method for calculus of oscillatory regime parameters for systems which include a nonlinear parts inside of controlled plant",* Proceedings of the 11th WSEAS International Conference on Automatic Control, Modelling and Simulation (ACMOS '09), Istanbul, Turkey, May 30-June 1, **2009** , ISSN: 1790-5117, ISBN: 978-960-474-082-6, page 401-406; http://www.wseas.us/books/2009/istanbul/ ACMOS.pdf; poz 638, http://science. thomsonreuters.com/ m/ excel/ conference_ titles_ 2009-2010.xls,
4. Pamfil Somoiag, **Vasile NUŢU**, Cristian-Emil Moldoveanu, *"Theoretical and Experimental Researches Concerning Launching Devices Stability during Firing",* 7th EUROMECH Solid Mechanics Conference, J. Ambrósio et al. (eds.) Lisbon, Portugal, September 7-11, **2009**.
5. ***NUŢU Vasile****, Rotariu Adrian, Cîrmaci Marius-Valeriu,* ***"The Oscillatory Stable Regime of Nonlinear Systems, with two time constants"****, 6th WSEAS International Conference on CIRCUITS, SYSTEMS, ELECTRONICS, CONTROL & SIGNAL PROCESSING (CSECS '07),* Cairo, Egypt, December 29-31, **2007**, ISSN: 1790-5117, ISBN 978-960-6766-28-2, Part II, Systems Theory, page 125-129; http://www.worldses.org/books/2007/selected-topics-on-circuits.pdf; poz 24366 - http://thomsonreuters. com/content/PDF/scientific/ conference_titles 2004 -2009.xls; poz 23665 http://science.thomsonreuters. com/m/excel/ conference_ titles_2004-2008.xls
6. **Vasile NUŢU**, "*The Oscillatory Stable State Of Nonlinear Order Two Systems, With Two Time Constant*", The 32th Internationally Scientific Conference of The Military Technical Academy, Bucureşti, 1-2 noiembrie **2007**,, ISBN 978-973-640-127-5, Section 9, MODELLING & SIMULATION, index 25, pag. 9.171-9.178;
7. **Vasile NUŢU**,"*Cinematic Aspects Of Maneuvrable Targets' Tracking Process*", The 31th Internationally Attended Scientific Conference of The Military Technical Academy, Bucureşti, 3-4 noiembrie **2005**, Section I, Armament, Artillery Equipements and Fire Control Systems, pag. I.70-I.75, ISBN 973-640-074-3;
8. **Vasile NUŢU**, "*Qualitative Aspects Of Maneuvrable Targets' Tracking Process*", The 31th Internationally Attended Scientific Conference of The Military Technical Academy, Bucureşti, 3-4 noiembrie **2005**, Section I, Armament, Artillery Equipements and Fire Control Systems, pag. I.76-I.82, ISBN 973-640-074-3;
9. **Vasile NUŢU**, Nicolae OLTEANU, Marius BĂNICĂ, "*The Influence Of Aircraft Sensors About The Air-Air Shooting Accuracy*", The 36 Th International Scientific Symposium Of The Military Equipment And Technologies Research Agency, May 26-27, **2005**, Bucharest, Vol II, ISBN: 973-0-03923-2, pag.27-32;
10. **NUŢU Vasile**, Postolea Dan, Cristian Moldoveanu*, "Individual Electronic Calculus Means For Artillery Shooting",* IIIrd International Symposium on Defence Technology „DEFENCE TECHNOLOGY 2004", Bolyai Janos Military Technical College, Faculty of Zrinyi Miklos National Defence University (al III-lea Simpozion internaţional în tehnologii de apărare), 19-20.04.**2004**, Budapesta, Ungaria, publicat pe CD, ISSN: 1416-1443, poz.27;
11. **Vasile NUŢU**, Emil-Cristian Moldoveanu, "*Considerations About The Dynamic Of Target Tracking In Air-Air Shooting*", The 30th Internationally Attended Scientific Conference of The Military Technical Academy, Bucureşti, 6-7 noiembrie **2003**, Section I, Armament, Artillery Equipements and Fire Control Systems, pag. 88-93, ISBN 973-640-012-3;
12. **Vasile NUŢU,** "*Studiul influenţei mişcării de ruliu asupra traiectoriei bombelor ghidate prin laser*", a XXXI Sesiune de comunicări Ştiinţifice a Agenţiei de Cercetare pentru Tehnică şi Tehnologii Militare, Bucureşti, **1999**, Volumul I., pag. 207-213;
13. **Vasile NUŢU,** "*Metoda de determinare a regimurilor oscilant stabile la sistemele cu timp mort*", a XXVIII Sesiune de comunicări Ştiinţifice a A.T.M., **1999**, Bucureşti, Vol. I, pag 162-167.

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