

## ADDITIONAL INFORMATION

## Publicații

1. Nedelcu Roxana, Bartiș Daniela, **Daniela Voicu**: "Some aspects about structural changes on steel laser heat treating"; ModTech International Conference Modern Technologies in Industrial Engineering 13-16 July 2014, Gliwice, Poland
2. R. Nedelcu, D. Bartiș, A. Lupaș, C. Ilie, **Daniela Voicu**: "Studies on establishing a methodology for predicting the riveted joints fatigue durability in Aircraft structures"; Advanced Materials Research Vol. 1036 (2014) pp 668-673, Trans Tech Publications, Switzerland
3. Virginel Bodoc, **Daniela Voicu**: "Experimental investigation of the infrared extinction limitations for vapor concentration measurement in a gas/particle flow"., 17th International Symposium on Applications of Laser Techniques to Fluid Mechanics Lisbon, Portugal, 07-10 July, 2014
4. Marin Marinescu, Ilie Constantin, Radu Vilău, Alexa Octavian, **Daniela Voicu**: Malfunction Detection Using Spectral Analysis for Automotive Braking Systems, Comm 2016, Bucharest, Romania;
5. Barothi Laszlo, **Daniela Voicu**, "Developing a measuring system able to determine the mechanical stress on a rectangular cross – section bar", MTA Review, Vol. XXVI, No. 1, pp. 47-52, Mar. 2016, Bucharest, Romania.
6. Octavian Alexa, Radu Vilău, Ovidiu-Constantin Ilie, **Daniela Voicu**, and Marin Marinescu, "Aspects Regarding the Kinematic Optimization of a Tracked Military Vehicle's Transmission", in CONAT 2016 International Congress of Automotive and Transport Engineering, Springer International Publishing, 2016.
7. **Daniela Voicu et al** "Development of a measuring system for the analysis of vibrations sent from engine topassenger seat" CAR 2017 IOP Conf. Ser.: Mater. Sci. Eng. **252** 012024
8. M. Truta, B. Laszlo, **Daniela Voicu**, R. Stoica, V. Vinturis "Considerations concerning the power loops within the all-wheel driven transmissions of the automobile" The 11th edition of the International Congress of Automotive and Transport Engineering Mobility Engineering and Environment, November 8-10 2017, DOI <https://doi.org/10.26825/bup.ar.2017.013>
9. **Daniela Voicu**, Laszlo Barothi, Ramona Monica Stoica, Andrei Mandache-Dodoiu The Development of a Recording System Able to Read Vehicle Parameters From On-Board Computer Without the Use of a Dedicated/Universal Tester, in AMMA 2018 The International Congress of Automotive and Transport Engineering.
10. Laszlo Barothi, Radu Vilau, **Daniela Voicu**, Stoica Ramona Monica, The study of a vehicle's suspended mass oscillation with an Arduino UNO based data acquisition system, Universitatea Agrară de stat din Moldova, Chișinău, Vol. 51, pag. 224 – 229, ISBN 978-9975-6-300-9.
11. **Daniela Voicu**, Laszlo Barothi, Stoica Ramona Monica, The development of a programming code for the command of sensors contained by a measuring system in order to determine main parameters characteristic to skid steering of small wheeled 3 axles platforms, MTA Review, Vol 1., Nr.2, Decembrie 2018, ISSN 2601-6613, ISSN-L 2601-6613.
12. Constantin- Ovidiu ILIE, Marin MARINESCU, Octavian ALEXA, **Daniela VOICU**, Laszlo BAROTHI, Correlation analysis – a data analysis tool in the vehicle dynamics modeling process, Romanian Journal of Automotive Engineering, vol.23 no.3, septembrie 2017, ISSN 2457 – 5275 (online English), ISSN 1842 – 4074 (Print, online, Romanian).
13. Laszlo BAROTHI, **Daniela VOICU**, Ramona-Monica STOICA, Marius SINGUREANU, Recording of parameters characteristic to engine and vehicle in order to validate a simulation model for fuel consumption, , 5th International Scientific Conference SEA-CONF 2019, IOP Conf. Series: Journal of Physics: Conf. Series1297 (2019) 012030, doi: 10.1088/1742-6596/1297/1/012030.
14. **Daniela VOICU**, Ramona-Monica STOICA, Laszlo BAROTHI, Modelling of a standardized testing track with the use of specialized software, The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham, doi: 10.1007/978-3-030-32564-0\_52, Online ISBN: 978-3-030-32564-0.
15. Considerations Regarding the Comparative Determination of Materials Hardness Submitted to Heat Treatments, Stoica Ramona-Monica, **Voicu Daniela**, Laszlo Barothi si Radu Vilau, RoJAE 26(1) 1 – 30 (2020), ISSN 2457 – 5275 (Online, English), page 15-21 ISSN 1842 – 4074 (Print, Online, Romanian)
16. Experimental research and simulation of vibration isolation elements mounted within transport boxes, Daniela Voicu, R.M. Soica, R. Vilau, L. Barothi, The 9th international conference on advanced concepts in mechanicam engineering, ACME 2020, Iași, Romania
17. SIMULATION AND COMPARATIVE ANALYSIS OF POLLUTANT EMISSIONS BEFORE AND AFTER PID CONTROL OF ENGINE FUNCTIONING, Laszlo BAROTHI, Ramona-Monica STOICA, **Daniela VOICU**, Marius SINGUREANU, Ingineria Automobilului, Bucuresti 2020, ISBN 978-3-662-61757-1, pag. 20-23
18. **Daniela Voicu**, Radu Vilău, Ramona-Monica Stoica, 2021, Experimental plotting of static characteristics of rotary hydraulic pumps, The 16th edition of the international conference European Integration realities and perspectives, ISSN: 2067-9211
19. **Daniela Voicu**, Radu Vilău, Ramona-Monica Stoica, 2021, Analyzing surface roughness of an auto-track cylinder after several running hours, The 16th edition of the international conference European Integration realities and perspectives, ISSN: 2067-9211

## Teză de doctorat:

**CONTRIBUȚII LA CALCULUL SOLICITĂRILOR MECANICE ALE ECHIPAMENTELOR CARE FAC OBIECTUL TRANSPORTULUI MILITAR TACTIC**

## Cărți:

1. *Accionări hidraulice, îndrumar de laborator, Editura Academiei Tehnice Militare, București, 2019 (142 pagini), ISBN: 978-973-640-298-2*

2. *Transmisii mecanice și organe de mașini: noțiuni de bază, București, Editura Academiei Tehnice Militare "Ferdinand I", 2019, ISBN: 978-973-640-300-2*
3. *Desen tehnic în ingineria autovehiculelor, București 2020, Editura Academiei Tehnice Militare "Ferdinand I", ISBN 987-973-640-310-1*
4. *Aplicații practice în domeniul transmisiiilor mecanice. Îndrumar de laborator, Editura Academiei Tehnice Militare "Ferdinand I", 2021, ISBN 987-973-640-292-0*

## PROIECTE

1. Sectoral Development Plan of M.Ap.N: "Technical studies on militarization of Dacia Duster platforms"
2. Sectorial Development Plan of M.Ap.N: "Theoretical study on the turn by skating phenomenon of auto vehicles with wheels"
3. Membru în echipele de proiect pe plan național:
  - PN3-P2-329/22.05.2020 nr. 4 PTE/2020 " Lovitură termobarică pentru aruncătorul de grenade AG—9 calibru 73 mm (ExNOVA)",
  - PN3-P2-358/03.06.2020 nr.16 PTE/2020 " Lovitură performant termobarică pentru aruncătorul de grenade AG-9 (ExPierce)"
  - PN3-P2-610/15.09.2020 nr. 59 PTE/2020 " Muniții de tip contramăsură termică cu compoziție pirotehnică spectrală inovativă – FLARE pentru toate tipurile de aeronave din dotarea Forțelor Aeriene (CHIMERA)"
4. Membru în echipele de proiect "Cercetare experimentală, consultanță tehnică și instruirea în vederea implementării soluțiilor particulare între beneficiar și prestator în domeniul ingineriei și managementului" contract nr. A8069/14.09.2020, contract nr. Act ad. 1 A11157/24.11.2020, contract nr. Act. Ad.9 A9708/22.10.2020, contract nr. A12125/15.12.2020, contract nr. A566/25.01.2021, contract nr. A2268/15.03.2021, contract nr. A1998/08.03.2021, contract nr. A3706/22.04.2021, contract nr. A6056/25.06.2021, contract nr. A7465/30.07.2021, contract nr. A 8131/18.08.2021
5. Director de proiect:
  - "Cercetare experimentală, consultanță tehnică și instruirea în vederea implementării soluțiilor particulare între beneficiar și prestator în domeniul ingineriei și managementului", Contract cu operatori economici nr. A5320/07.06.2021, A6057/25.06.2021, A10276/03.11.2020, Act. Ad. 1 A10662/12.11.2020, Act. Ad.2 A11589/04.12.2020, A1094/09.02.2021, A1431/18.02.2021