

LISTĂ DE LUCRĂRI

Cpt. șef lucrări dr. ing. Daniela VOICU

A. Lucrări relevante pentru realizările proprii

1. Frequency analysis of vibrations in terms of human exposure while driving military armoured personnel carriers and logistic transportation vehicles, **Daniela Voicu**, Ramona Monica Stoica, Radu Vilău, Marin Marinescu, Angela Digulescu, Cristina Despina-Stoian, Florin Popescu, Electronics (ISSN 2079-9292), Special Issue "New Trends and Methods in Communication Systems" 2023, Factor de impact 2.9
https://www.mdpi.com/journal/electronics/special_issues/communication_system
2. Influence analysis of vibrations and shocks generated by road bumps on crew members during long distance transportation or on off-road terrain, **Daniela VOICU**, Stoica R. M., Laszlo BAROTHI, Radu VILĂU, Ingineria Automobilului, nr. 63, iun. 2022, pg. 15-18, ISSN 1842-4074, WOS:000565210700005
<https://siar.ro/wp-content/uploads/2022/06/rIA-63.pdf>
3. Bearings fault detection by means of frequency analysis, Stoica R. M., **D Voicu**, R Vilau, L Barothi and L Deleanu AITS 2021, IOP Conf. Series: Materials Science and Engineering, doi:10.1088/1757-899X/1220/1/012032
<https://iopscience.iop.org/article/10.1088/1757-899X/1220/1/012032/meta>
4. Study regarding the influence of geometrical characteristics of the distribution system on truck engines efficiency parameters, L Barothi, Stoica R. M., **D Voicu**, R Vilau, L Deleanu, AITS 2021, IOP Conf. Series: Materials Science and Engineering, doi:10.1088/1757-899X/1220/1/012006
https://www.researchgate.net/publication/358203595_Bearings_fault_detection_by_means_of_frequency_analysis
5. Simulation and comparative analysis of pollutant emissions before and after PID control of engine functioning, Barothi Laszlo, Stoica R. M., **Voicu Daniela**, Singureanu Marius, Ingineria Automobilului, nr. 56, sep. 2020, pg. 19-23, ISSN 1842-4074, WOS:000565210700005
<https://siar.ro/wp-content/uploads/2020/09/rIA56i.pdf>
6. Experimental research and simulation of vibration isolation elements mounted within transport boxes, **D. VOICU**, Stoica R. M., R VILAU, L BAROTHI, IOP Conf. Series: Materials Science and Engineering 997 (2020) 012033, doi:10.1088/1757-899X/997/1/012033

https://www.researchgate.net/publication/347968118_Experimental_research_and_simulation_of_vibration_isolation_elements_mounted_within_transport_boxes

7. Recording of parameters characteristic to engine and vehicle in order to validate a simulation model for fuel consumption, Laszlo Barothi, **Daniela Voicu**, Stoica R. M., Marius Singureanu, 5th International Scientific Conference SEA-CONF 2019, 17–18 May 2019, Mircea cel Batran Naval Academy, Constanta, Romania, IOP Conf. Series: Journal of Physics: Conf. Series 1297 (2019) 012030 IOP Publishing, doi:10.1088/1742-6596/1297/1/012030

https://www.researchgate.net/publication/336165790_Recording_of_parameters_characteristic_to_engine_and_vehicle_in_order_to_validate_a_simulation_model_for_fuel_consumption

8. Modeling of a Standardized Testing Track With The Use of Specialized Software, **Daniela Voicu**, Stoica R. M., Laszlo Barothi, The 30th SIAR International Congress of Automotive and Transport Engineering, SMAT 2019, ISBN 978-3-030-32563-3, online ISBN 978-3-030-32564-0, pag. 451-457

https://link.springer.com/chapter/10.1007/978-3-030-32564-0_52

9. Considerations concerning the power loops within the all-wheel driven transmissions of the automobile, Truta Marian, Barothi Laszlo, **Voicu Daniela**, Stoica R. M., Valentin Vinturis, Ingineria Automobilului Issue 46, pages 14-16, martie 2018, ISBN 978-973-720-708-1

https://siar.ro/wp-content/uploads/2018/02/rIA_46-2018_1.pdf

10. Development of a measuring system for the analysis of vibrations sent from engine to passenger seat, **Daniela Voicu**, M. Truță, Laszlo Barothi, Stoica R. M., D.I. Dorobanțu, CAR 2017 International Congress of Automotive and Transport Engineering IOP Conference series Materials Science and Engineering 252(1):012024, Thomson Reuters, Web of Science, DOI: 10.1088/1757-899x/252/1/012024

https://www.researchgate.net/publication/320580677_Development_of_a_measuring_system_for_the_analysis_of_vibrations_sent_from_engine_to_passenger_seat

B. Teza de doctorat

“Contribuții la calculul solicitărilor mecanice ale echipamentelor care fac obiectul transportului militar tactic”, Domeniul Inginerie mecanică.

Titlul de doctor a fost obținut în 2019, profesor coordonator: prof. univ. dr. ing. OLARU Gheorghe.

C. Cărți, capitole din cărți, manuale și îndrumare de laborator

1. Acționări electrohidraulice în industria de autovehicule, Radu Vilău, Ramona-Monica STOICA, **Daniela VOICU**, Editura Academiei Tehnice Militare “Ferdinand I”, București, 2022, ISBN 978-973-640-338-5
2. Acționări pneumatice. Îndrumar de laborator, Editura Academiei Tehnice Militare “Ferdinand I”, **Daniela VOICU**, Radu VILĂU, Ramona-Monica STOICA, București, 2021, ISBN 978-973-640-332-3
3. Aplicații practice în domeniul transmisiilor mecanice. Îndrumar de laborator, Ramona-Monica Stoica, **Daniela Voicu**, Radu Vilău, Laszlo Barothi, Editura Academiei Tehnice Militare “Ferdinand I”, București, 2021, ISBN 978-973-640-292-0
4. Desen tehnic în ingineria autovehiculelor, Editura Academiei Tehnice Militare “Ferdinand I”, Ramona-Monica Stoica, **Daniela Voicu**, Radu Vilău București, 2020, ISBN 978-973-640-310-1
5. Transmisii mecanice și organe de mașini - Noțiuni de bază, Editura Academiei Tehnice Militare “Ferdinand I”, **Daniela VOICU**, Radu VILĂU, Ramona-Monica STOICA, București, 2019, ISBN 978-973-640-300-2
6. Actionari hidraulice. Indrumar de laborator. Editura Academiei Tehnice Militare, Bucuresti, 2019 (142 pagini), ISBN>978-973-640-298-2, Radu Vilau, Daniela Voicu

D. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI

1. **Daniela Voicu**, Ramona-Monica Stoica, Laszlo Barothi, “Modeling of a Standardized Testing Track With The Use of Specialized Software “,The 30th SIAR International Congress of Automotive and Transport Engineering, SMAT 2019, ISBN 978-3-030-32563-3, online ISBN 978-3-030-32564-0, pag. 451-457, WOS:000528526600052, <https://www.webofscience.com/wos/woscc/full-record/WOS:000528526600052>
2. **Daniela Voicu**, M. Truță, Laszlo Barothi, Ramona-Monica Stoica, D.I. Dorobanțu, Development of a measuring system for the analysis of vibrations sent from engine to passenger seat, CAR 2017 International Congress of Automotive and Transport Engineering IOP Conference series Materials Science and Engineering 252(1):012024, Thomson Reuters, Web of Science, DOI: 10.1088/1757-899x/252/1/012024, ISSN1757-8981, WOS:000419817200024, <https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200024>
3. Marinescu Marin, Ilie Constantin-Ovidiu, Vilau Radu, Alexa Octavian, **Voicu Daniela** - Malfunction Detection Using Spectral Analysis for Automotive Braking Systems - 2016 International Conference on Communications, June 9-11, 2016, Conference Proceedings, pp. 333-336, ISBN 978-1-4673-8196-3, Part no. CFP1641J-DVD, doi:

10.1109/ICComm.2016.7528334,WOS:000383221900069,

<https://www.webofscience.com/wos/woscc/full-record/WOS:000383221900069>

4. Alexa, Octavian; Vilau, Radu; Ilie, Ovidiu-Constantin; **Voicu, Daniela**; Marinescu, Marin - Aspects Regarding the Kinematic Optimization of a Tracked Military Vehicle's Transmission - CONAT 2016: INTERNATIONAL CONGRESS OF AUTOMOTIVE AND TRANSPORT ENGINEERING Pages: 348-353 DOI: 10.1007/978-3-319-45447-4_3; Accession Number: WOS:000390821400039

<https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400039>

5. Truta Marian, Barothi Laszlo, **Voicu Daniela**, Stoica Ramona-Monica, Valentin Vinturis, Considerations concerning the power loops within the all-wheel driven transmissions of the automobile, Ingineria Automobilului Issue 46, pages 14-16, martie 2018, ISBN 978-973-720-708-1, WOS:000438361400004, ISSN1842-4074, <https://www.webofscience.com/wos/woscc/full-record/WOS:000438361400004>

6. Influence analysis of vibrations and shocks generated by road bumps on crew members during long distance transportation or on off-road terrain, **Daniela Voicu**, Ramona-Monica Stoica, Laszlo Baorthi, Radu Vilau, Ingineria Automobilului nr 63/2022, Bucuresti , ISSN 1842-4074, pag. 15-18, WOS:000880290800004

<https://www.webofscience.com/wos/woscc/full-record/WOS:000880290800004>

7. Developing a pneumatic model for actuating a trap door while opening-closing a military personnel compartment, **Daniela Voicu**, Radu Vilau, Ramona-Monica Stoica, Ion Lespezeanu, Ingineria Automobilului, nr 61/decembrie 2021, ISSN 1842-4074, pag. 16-18, WOS:000750146200007

<https://www.webofscience.com/wos/woscc/full-record/WOS:000750146200007>,

8. 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, WOS:000565210700005, ISSN1842-4074

<https://www.webofscience.com/wos/woscc/full-record/WOS:000565210700005>

9. 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), WOS:000518850400004, ISSN1842-4074, <https://www.webofscience.com/wos/woscc/full-record/WOS:000518850400004>

10. Frequency analysis of vibrations in terms of human exposure while driving military armoured personnel carriers and logistic transportation vehicles, **Daniela Voicu**, Ramona Monica Stoica, Radu Vilău, Marin Marinescu, Angela Digulescu, Cristina Despina-Stoian, Florin Popescu, Electronics (ISSN 2079-9292), 2023, Factor impact 2,9

E. Articole în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (BDI)

1. **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, EBSCO
2. Development of a device for displaying on an additional screen the parameters read from the vehicle's on board computer, Barothi Laszlo, **Voicu Daniela**, Stoica Ramona-Monica , Deleanu Lorena , DAIE 2021 (BDI) Vol.11, no.1/2021, ISSN: 2284 – 5224, DOAJ
3. **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, DOAJ
4. **Daniela VOICU**, Laszlo BAROTHI, and Ramona-Monica STOICA: “Testing platform for analysing 3 axles small platforms skid steering behavior”, Journal of military technology, Military Technical Academy Publishing House, Vol.1, No.2, December 2018, pg. 61-64, ISSN 2601-6613, ISSN-L 2601-6613 (BDI), EBSCO, Ulrich's Periodicals, Google Scholar
5. Developing a Pneumatic Actuating System to Illustrate the Functioning of an AND Logic Valve, **Daniela Voicu**, Radu Vilau, R M Stoica, Acta Universitatis Danubius, vol. 17, no. 6, 2021, pp. 270-277, ISSN: 2065-0175, EBSCO
6. Graphical Methods Used to Solve Misalignment Problems of Mechanical Transmissions, R M STOICA, **Daniela Voicu**, Radu Vilau, Acta Universitatis Danubius, vol. 17, no. 6, 2021, pp. 231-238, ISSN: 2065-0175, EBSCO
7. 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, 17–18 May 2019, Mircea cel Batran Naval Academy, Constanta, Romania, IOP Conf. Series: Journal of Physics: Conf. Series 1297 (2019) 012030 IOP Publishing, doi:10.1088/1742-6596/1297/1/012030.
8. Experimental research and simulation of vibration isolation elements mounted within transport boxes, **D. VOICU**, R M STOICA, R VILAU, L BAROTHI, IOP Conf. Series: Materials Science and Engineering 997 (2020) 012033, doi:10.1088/1757-899X/997/1/012033, SCOPUS

F. Articole publicate în reviste naționale și volumele unor manifestări științifice naționale și internaționale, neindexate

1. Laszlo Barothi, Radu Vilau, **Daniela Voicu**, Stoica R. M.: The study of a vehicle's suspended mass oscillation with an Arduino UNO based data acquisition system, Universitatea Agrara de stat din Moldova, Chisinau, Vol. 51, pg. 224-229, ISBN 978-9975-64-300-9

2. Bearings fault detection by means of frequency analysis, R M Stoica, **D Voicu**, R Vilau1, L Barothi1 and L Deleanu2 AITS 2021, IOP Conf. Series: Materials Science and Engineering, doi:10.1088/1757-899X/1220/1/012032

G. Conferințe naționale și internaționale

1. Diagnosis of mechanical parts by analyzing vibrations measured during operation, Udrea M, **Voicu D**, Stoica R, Barothi L, AITS 2021, IOP Conf. Series: Materials Science and Engineering, doi:10.1088/1757-899X/1220/1/012042
2. Study regarding the influence of geometrical characteristics of the distribution system on truck engines efficiency parameters, L Barothi, R M Stoica1 **D Voicu**, R Vilau1 L Deleanu, AITS 2021, IOP Conf. Series: Materials Science and Engineering, doi:10.1088/1757-899X/1220/1/012006
3. **Daniela Voicu**, Laszlo Barothi, Stoica R. M., 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”, AMMA 2018, The IVth International Congress of Automotive and Transport Engineering, Editura U.T. Press, octombrie 2018, Cluj-Napoca, Romania, pg. 175-180, ISBN 978-606-737-314-1

H. Reviste naționale

I. Alte documente

Cpt. șef lucrări dr. ing.


Daniela VOICU