

S. I. dr. ing. Constantin Ovidiu Ilie - 31.08.2021
Lista lucrari

1. Cărți și capitole în cărți de specialitate

1.1. Cărți / capitole ca autor:

- 1) **Constantin-Ovidiu Ilie** - *Modelarea statistică a dinamicii autovehiculelor*, Editura A.T.M., 2006 (220 pg.), ISBN 10 973-640-111-1, ISBN 13 978-973-640-111-4 (256 pg.)
- 2) **Marin Marinescu, Ilie Ovidiu-Constantin, Truță Marian** - *Fixarea încărcăturilor în transporturile rutiere: îndrumar de calcul* - Ed. Academiei Tehnice Militare, București, 2014 (172 pg.), ISBN 978-973-640-231-9

2. Articole

2.1. Articole in extenso în reviste cotate ISI, în proceedings indexate ISI Clarivate sau SAE

- 1) Marin Marinescu, **Constantin-Ovidiu Ilie** - *Filtering the signal of a measured mechanical parameter* - 2014, 10th International Conference on COMMUNICATIONS (COMM), May 29-31, 2014, Bucharest, Romania, Conference Proceedings, AGIR Publishing House, pp. 85-88, ISBN 978-1-4799-2385-4, IEEE catalog no. CFP1441J-AR, http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=6&SID=C5t3dronR8FPUtvTz7t&page=2&doc=98 - **ISI (SCOPUS)**
- 2) Alexa Octavian, **Ilie Constantin-Ovidiu**, Marinescu Marin, Vilău Radu, Grosu Dănuț - *Recurrence plot for parameters analysing of internal combustion engine* - ModTech 2015, International Conference Modern Technologies in Industrial Engineering, IOP Publishing, Journal of Physics Conference Series: Materials Science and Engineering, Vol. 95 (2015), doi:10.1088/1757-899X/95/1/012121, http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=6&SID=C5t3dronR8FPUtvTz7t&page=2&doc=76 - **ISI (SCOPUS)**
- 3) Octavian Alexa, Marin Marinescu, Gheorghe Olaru, Dragos Costache, **Constantin-Ovidiu Ilie**, Valentin Vinturis - *Drag Phenomena within a Torque Converter Driven Automotive Transmission - Laminar Flow Approach* - Modern Technologies in Industrial Engineering (ModTech2015), IOP Publishing, Journal of Physics Conference Series: Materials Science and Engineering, vol. 95 (2015), 012036 doi:10.1088/1757-899X/95/1/012036, http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=6&SID=C5t3dronR8FPUtvTz7t&page=2&doc=77 - **ISI (SCOPUS)**
- 4) **Constantin-Ovidiu Ilie**, Marin Marinescu, Octavian Alexa, Daniela Voicu, Laszlo Barothi - *Correlation analysis - a data analysis tool in the vehicle dynamic modeling process* - Revista Ingineria Automobilului nr. 44 - sept. 2017, pg. 9-12, ISSN 2457-5275 - **ISI-ESCI (Index Copernicus, SCOPUS)**
- 5) 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, http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=6&SID=C5t3dronR8FPUtvTz7t&page=1&doc=50 - **ISI (SCOPUS)**
- 6) Octavian Alexa, Radu Vilau, **Ovidiu-Constantin Ilie**, Daniela Voicu, Marin Marinescu - *Aspects regarding the kinematic optimization of a tracked military vehicle's transmission* - Springer International Publishing Switzerland 2017, CONAT 2016 International Congress of Automotive and Transport Engineering, Vol. 1, pp. 348-353, ISBN 978-3-319-45446-7, ISBN (eBook): 978-3-319-45447-4, doi 10.1007/978-3-319-45447-4_39, http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=6&SID=C5t3dronR8FPUtvTz7t&page=1&doc=29 - **ISI (SpringerLink)**
- 7) **Constantin Ovidiu Ilie**, Marin Marinescu, Octavian Alexa, Radu Vilău, Dănuț Grosu - *Statistical models of petrol engines vehicles dynamics* - CAR2017-029, The International Congress of Automotive and Road Transport Engineering CAR 2017, University of Pitesti, Romania 8-10 Nov. 2017, IOP Conference Series: Materials Science and Engineering, vol. 252 (2017) 012091, IOP Publishing, ISSN 1757-8981, doi: 10.1088/1757-899X/252/1/012091, Article Number: UNSP 12091 http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=6&SID=C5t3dronR8FPUtvTz7t&page=1&doc=28 - **ISI (SCOPUS)**
- 8) **Constantin-Ovidiu Ilie**, Marin Marinescu, Laszlo Barothi, Radu Vilau, Ion Lespezeanu - *Study the parameters of a petrol engine using analysis of variance* - IVth International Conference Sea-Conf 2018, IOP Conference Series: Earth and Environmental Science, Volume 172, Constanta, Romania, 17-19 May 2018, ISBN 978-1-5108-6746-8, ISSN 1755-1307, pp. 233-238, <http://iopscience.iop.org/article/10.1088/1755-1315/172/1/012028>, https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F169zAjYTvXb4LrTGmC&page=1&doc=1 - **ISI (SCOPUS, GeoBase, Compendex)**

- 9) Marin Marinescu, Ion Lespezeanu, , Radu Vilău, **Constantin-Ovidiu Ilie**, Octavian Alexa - *Drag Phenomena within a Torque Converter Driven Automotive Transmission – A Turbulent Flow Approach* – Automotive and Transport Engineering (AMMA 2018), Proceedings in Automotive Engineering (2019), page 512-525, doi:10.1007/978-3-319-94409-8_59, http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2mRZLdcSruaOT11EM8&page=1&doc=2 - **ISI (SCOPUS)**

2.2. Brevete de invenții

2.2.1. Internaționale

- 1) USD718156S1 - U.S. Patent App. 29/457,230, 2014, *Vehicle scanner* - Bogdan Radu Demetrescu, **Constantin Ovidiu Ilie**, Catalin Victor Bartis, Intuitive Intelligent Systems, <https://patents.justia.com/inventor/constantin-ovidiu-ilie>

2.2.2. Naționale

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2.3. Articole în reviste și volume ale unor manifestări științifice indexate în alte baze de date internaționale recunoscute CNATDCU¹

- 10) Marin Marinescu, Dan Grosu, **Constantin-Ovidiu Ilie**, Radu Vilău - *Simple mathematical models of the single-track vehicle* - "The 1st International Conference on Motor Vehicle And Transportation MVT 2006", November 15-17th, 2006, Timișoara, Romania, CD edition (MVT20062012), 6 pg., ISBN 973-638-284-2, ISBN 978-973-638-284-0 - **FISITA**
- 11) **Constantin-Ovidiu Ilie**, Marin Marinescu - *Using Correlation Analysis to Modeling Vehicle Dynamics* - *International Congress, Science and Management of Automotive and Transportation Engineering* - SMAT 2014, Proceedings, 23rd-25th of October 2014, Editura Universitaria, Craiova, vol. 1+2, ISBN: 978-606-14-0864-1, vol. 1: ISBN: 978-606-14-0865-8, pag. 35-38, **FISITA**
- 12) Marin Marinescu, Octavian Alexa, Radu Vilau, **C-tin Ovidiu Ilie**, Valentin Vinturis - "EAEC-ESFA The European Automotive Congress", Bucharest, Romania, 25-27 November 2015, Proceedings of the European Automotive Congress EAEC-ESFA 2015, Springer International Publishing Switzerland, 2016, Chapter 48, pp. 517-527, ISBN 978-3-319-27275-7, doi 10.1007/978-3-319-27276-4_48 - **SpringerLink**
- 13) **Constantin-Ovidiu Ilie**, Marin Marinescu, Florin Oloeriu - *Getting a mathematical model of the vehicle's dynamics using regressions* - Second international congress automotive, safety and environment, SMAT 2008, 23-25 October, 2008 Craiova, Romania, ISBN 978-606-510-253-8, ISBN 978-606-510-245-3. - **FISITA**
- 14) Alexa Octavian, **Ilie Constantin Ovidiu**, Marinescu Marin, Vinturis Valentin, Truta Marian - *Simulating the Torque and Angular Speed Distribution within a Heavy Vehicle's Planetary Gearbox* - *Applied Mechanics and Materials* Vol. 659 (2014) pp 127-132, © (2014) Trans Tech Publications, Switzerland, ISBN 978-3-03835-272-3, doi:10.4028/www.scientific.net/AMM.659.127. - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO, CrossRef, SCOPUS**
- 15) Alexa Octavian, **Ilie Constantin-Ovidiu**, Vilau Radu, Marinescu Marin, Truta Marian - *Using Neural Networks to Modeling Vehicle Dynamics* - *Applied Mechanics and Materials* Vol. 659 (2014) pp 133-138, Trans Tech Publications, Switzerland, ISBN 978-3-03835-272-3, doi:10.4028/www.scientific.net/AMM.659.133. - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO, SCOPUS**
- 16) Truta Marian, Marinescu Marin, Vilau Radu, Alexa Octavian, **Ilie Constantin-Ovidiu** - *Self-Generated Torque Induced by the Lockable and Self-Locking Differentials within the 4WD Drivetrain* - *Applied Mechanics and Materials* Vol. 659 (2014) pp 268-273, Trans Tech Publications, Switzerland, ISBN 978-3-03835-272-3, doi:10.4028/www.scientific.net/AMM.659.268. - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO, SCOPUS**
- 17) Ion Lespezeanu, Florin Militaru, Octavian Alexa, **Constantin-Ovidiu Ilie**, Marin Marinescu - *On-board malfunction simulations on vehicles that are equipped with electronic control systems* - ICOMME 2015, Faculty of Mechanics, Craiova, 8th-9th October 2015, Trans Tech Publication, Applied Mechanics and Materials, Vol. 823 (2016) doi:10.4028/www.scientific.net/AMM.823.323. - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO**
- 18) Ion Lespezeanu, Florin Militaru, Octavian Alexa, **Constantin-Ovidiu Ilie**, Marin Marinescu - *Aspects regarding the influence of Lambda control system faults on pollutant emissions of spark ignition engines* - ICOMME 2015, Faculty of Mechanics, Craiova, 8th-9th October 2015, Trans Tech Publication, Applied Mechanics and Materials, Vol. 823 (2016), doi:10.4028/www.scientific.net/AMM.823.323. - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO**
- 19) **Constantin-Ovidiu Ilie**, Octavian Alexa, Ion Lespezeanu, Marin Marinescu, Dănuț Grosu - *Modeling the the work of a torque converter during the getaway process of a vehicle* - ICOMME 2015, Faculty of Mechanics, Craiova, 8th-9th October 2015, Trans Tech Publication, Applied Mechanics and Materials, Vol. 823 (2016), pp. 253-258, doi:10.4028/www.scientific.net/AMM. 823.253 - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO**

¹ SCOPUS, SpringerLink, FISITA, SAE Papers, IEEE Xplore, Science Direct, Engineering Village, Compendex, Index Copernicus, ProQuest, EBSCO, CrossRef, DOAJ, Wiley, Elsevier, ACM, TRID, TRIS, ITRD, Ulrich's Periodicals, SCIRUS, REPEC, Geobase.

- 20) Alin-Marian Puncioiu, Marian Truta, **Marin Marinescu**, Danut Grosu, Valentin Vinturis - *Analysing the uniformity of an automobile wheels' distribution of slipping and skidding* - International Journal of Modern Manufacturing Technologies, vol VII, nr. 2/2015, pp. 85-89, ISSN 2067-3604 - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO, SCOPUS**
- 21) Octavian Alexa, Marian Truta, **Marin Marinescu**, Radu Vilau, Valentin Vinturis - *Simulating the longitudinal dynamics of a tracked vehicle* - Advanced Materials Research Vol. 1036 (2014) pp 499-504, Trans Tech Publications, Switzerland, ISBN 978-3-03835-255-6, doi:10.4028/www.scientific.net/AMR.1036.499 - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO, SCOPUS**
- 22) Florin Oloeriu, Oana Mocian, Marin Marinescu, Dănuț Grosu, **Constantin Ilie** - *Theoretical approach on internal combustion engines using multivariable procedures* - Advanced Materials Research Vol. 1036 (2014) pp 574-579, Trans Tech Publications, Switzerland, ISBN 978-3-03835-255-6, doi:10.4028/www.scientific.net/AMR.1036.574 - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO, SCOPUS**
- 23) Marin Marinescu, Ion Lespezeanu, Radu Vilau, **Constantin-Ovidiu Ilie**, Octavian Alexa - *Drag Phenomena Within A Torque Converter Driven Automotive Transmission - A Turbulent Flow Approach* - AMMA 2018: The 4th International Congress of Automotive and Transport Engineering, 17–19 October 2018, Cluj-Napoca, Romania, in Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018), Springer Nature Switzerland AG, PAE, pp. 512-520, 2019, ISBN 978-3-319-94408-1, https://doi.org/10.1007/978-3-319-94409-8_59 - **Springer Link, Index Copernicus, SCOPUS, FISITA**
- 24) **Ilie Constantin-Ovidiu**, Alexa Octavian, Lespezeanu Ion, Marinescu Marin, Grosu Danut - *Recurrence Plot Analysis to Study Parameters of a Gasoline Engine* - Applied Mechanics and Materials, Vol. 823, pp. 323-328 (2016) - **Index Copernicus, ProQuest, Ulrichsweb, EBSCO**
- 25) Dănuț Grosu, Marin Marinescu, Octavian Alexa, **Constantin-Ovidiu Ilie** - *The Influence of Malfunctions of Sensors Embedded on Intake Manifold of Automobile Engines upon the Pollutants in the Exhaust Emissions* - MTA Review, Vol. XXVII, No. 2, pp. 87-92, Dec. 2017 - **EBSCO, Ulrich's Periodical Directory**
- 26) Oloeriu Florin, Mocian Oana, Nedelcu Roxana, Grosu Dănuț, **Ilie Constantin-Ovidiu** - *Ballistic impact: A comparative case study using Lagrangian method with erosion criterion and SPH* - Applied Mechanics and Materials Vol. 1036 (2014) pp 568-573, Trans Tech Publications, Switzerland, ISBN 978-3-03835-255-6
DOI: 10.4028/www.scientific.net/AMR.1036.568. - Index SCOPUS, Copernicus, ProQuest, Ulrichsweb, EBSCO
- 27) **Ilie Constantin-Ovidiu**, Grosu Dănuț, Mocian Oana, Constantin-Florin Oloeriu, Vinturiș Valentin - *Theoretical and experimental research on sequential RPP manipulator* - Applied Mechanics and Materials Vol. 1036 (2014) pp 726-731, Trans Tech Publications, Switzerland, ISBN 978-3-03835-255-6
DOI:10.4028/www.scientific.net/AMR.1036.726 - Index SCOPUS, Copernicus, ProQuest, Ulrichsweb, EBSCO
- 28) **Ilie Constantin-Ovidiu**, Grosu Dănuț, Mocian Oana, Vilău Radu, Bartiș Dana - *Using statistically based modeling for vehicle dynamics* - Applied Mechanics and Materials Vol. 1036 (2014) pp 564-567, Trans Tech Publications, Switzerland, ISBN 978-3-03835-255-6
DOI: 10.4028/www.scientific.net/AMR.1036.564- Index SCOPUS, Copernicus, ProQuest, Ulrichsweb, EBSCO

2.4. Articole în reviste și volume ale unor manifestări științifice indexate în alte baze de date internaționale sau neindexate

- 29) **Constantin-Ovidiu Ilie**, Marin Marinescu - *Using sensitivity analysis for modeling vehicle dynamics* - The 5th International Conference "Advanced composite Materials Engineering" and The 3rd International Conference "Research & Innovation in Engineering", COMAT 2014, October 16-17, 2014, Transilvania University of Brașov, Transilvania University Press of Brașov, Romania, DVD edition, vol. 2, pp. 82-85, ISBN 978-606-19-0411-2
- 30) Octavian Alexa, **Constantin-Ovidiu Ilie**, Marin Marinescu - *Estimating the torque distribution in a planetary gearbox* - The 5th International Conference "Advanced composite Materials Engineering" and The 3rd International Conference "Research & Innovation in Engineering", COMAT 2014, October 16-17, 2014, Transilvania University of Brașov, Transilvania University Press of Brașov, Romania, DVD edition, vol. 2, pp. 192-196, ISBN 978-606-19-0411-2
- 31) Florin Popescu, Daniel Depărățeanu, Gabriel Paraschiv, Florin Enache, **Constantin-Ovidiu Ilie**, "Moving objects tracking system based on GPS/GPRS", MTA Review 2014, ISSN code: 1843-3391
- 32) **Constantin-Ovidiu Ilie**, Marin Marinescu - *Modeling Vehicle's Dynamics Using Predictions* - The 33rd International Conference of Automotive Engineering "Off-Road Vehicles ORV 2008", 25-26 Septembrie 2008, București, CD edition, (4 pp.), ISBN 978-973-640-149-7
- 33) Marin Marinescu, **Ilie Ovidiu-Constantin**, Herascu Petre - *Modeling the vehicle passing process* - "Haditechnika 2008" címen 2008. április 20-21, között megrendezett konferencia előadásainak kivonatait tartalmazza, DVD melléklettel – 2. sz., p. 23. http://uni-ke.hu/downloads/bsz/bszrepertorium/Bolyai%20szemle_repertorium_1999_2008.pdf
- 34) Marin Marinescu, Dan Grosu, **Constantin-Ovidiu Ilie**, Radu Vilău - *Basics of the single-track vehicle's dynamics* - "New challenges in the field of military sciences", 07-08 November 2006, Budapest, Hungary, CD edition, 8 pg., ISSN 1416-1487, www.bjkmf.hu/tudelet/present.html

- 35) **Constantin-Ovidiu Ilie**, Marin Marinescu - *Change Leadership for Business Process Improvement* - "New Challenges in the Field of Military Sciences 2006", Bolyai Janos Military Technical Faculty of Zrinyi Miklos National Defence University, Budapest, Hungary, ISSN 1416-1487, www.bjkmf.hu/tudelet/present.html
- 36) **Constantin-Ovidiu Ilie**, Marin Marinescu, Aurelian Ionescu - *Using the Process Improvement in the Public Sector Organizations* - "New Challenges in the Field of Military Sciences 2006", Bolyai Janos Military Technical Faculty of Zrinyi Miklos National Defence University, Budapest, Hungary, pp. 15, ISSN 1416-1487, www.bjkmf.hu/tudelet/present.html
- 37) Marin Marinescu, Radu Vilău, **Ovidiu-Constantin Ilie**, Gheorghe Becheru - *High order spectral analysis of a measured automotive amount* - "IVth International Symposium on Defence Tehnology", Bolyai Janos Military Faculty, ZMNDU, Budapest, Hungary, 20-21 Apr. 2006, CD edition, 8 pg., ISSN 1416-1443, http://uni-nke.hu/downloads/bsz/bszrepertorium/Bolyai%20szemle_repertorium_1999_2008.pdf
- 38) Marin Marinescu, **Ovidiu-Constantin Ilie** - *A legal approach on the risk of the contract* - Sesiunea anuală de comunicări științifice cu participare internațională "Strategii XXI/2006" a Universității Naționale de Apărare, 13-14 aprilie 2006, București
- 39) Marin Marinescu, Aurel Litan, **Ovidiu-Constantin Ilie** - *Obținerea funcției de transfer și a modelului matematic al unei mărimi mecanice măsurate* - "A VI-a Conferință națională multidisciplinară cu participare internațională Profesorul Dorin Pavel - fondatorul hidroenergeticii românești", Sebeș, 2006, Ed. AGIR 2005, vol. 10, pp. 259-264, ISBN 10: 973-8130-82-4, ISBN 13: 978-973-8130-82-1, ISBN 10: 973-720-030-6: ISBN 13: 978-973-720-030-3

3. RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII

3.1. Citări în reviste ISI și BDI (fără autocitări)

3.1.1. ISI

3.1.1.1 ISI cu factor de impact

- 1) Alexa Octavian, **Ilie Constantin-Ovidiu**, Marinescu Marin, Vilău Radu, Grosu Dănuț - *Recurrence plot for parameters analysing of internal combustion engine* - ModTech 2015, International Conference Modern Technologies in Industrial Engineering, IOP Publishing, Journal of Physics Conference Series: Materials Science and Engineering, Vol. 95 (2015), doi:10.1088/1757-899X/95/1/012121.
- 1.1 Ojeda-Gonzalez, A., Mendes, O., Calzadilla, A., Domingues, M.O., Prestes, A., Klausner, V. - *An Alternative Method for Identifying Interplanetary Magnetic Cloud Regions* - *Astrophysical Journal*, Volume 837, Issue 2, 10 March 2017, Article number 156, ISSN 0004-637X, IOP PUBLISHING LTD, TEMPLE CIRCUS, TEMPLE WAY, BRISTOL, ENGLAND, BS1 6BE [IF = 1.348 (2016)] (<http://mjcl.clarivate.com/cgi-bin/jmlst/jlresults.cgi?PC=MASTER&Full=Astrophysical%20Journal>) – **ISI (SCOPUS)**
- 3.1.1.2. **ISI fără factor de impact**
- 2) Alexa Octavian, **Ilie Constantin-Ovidiu**, Marinescu Marin, Vilău Radu, Grosu Dănuț - *Recurrence plot for parameters analysing of internal combustion engine* - ModTech 2015, International Conference Modern Technologies in Industrial Engineering, IOP Publishing, Journal of Physics Conference Series: Materials Science and Engineering, Vol. 95 (2015), doi:10.1088/1757-899X/95/1/012121.
- 2.1 Marian Truta, Laszlo Barothi, Daniela Voicu, Ramona Stoica, Valentin Vinturis - *Considerations concerning the power loops within the all-wheel driven transmissions of the automobile* - *RoJAE Romanian Journal of Automotive Engineering*, March 2018, Volume 24, Number 1, 4th Series. pp. 13-18, ISSN 2457 – 5275 (Online, English) ISSN 1842 – 4074 (Print, Online, Romanian) - **ISI-ESCI (Index Copernicus)**
- 2.2 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, September 2019, IOP Publishing, IOP Conf. Series: Journal of Physics: Conf. Series 1297 (2019) 012030, doi:10.1088/1742-6596/1297/1/012030 - **ISI Proceedings (Scopus)**
- 3) Octavian Alexa, Radu Vilău, **Ovidiu-Constantin Ilie**, Daniela Voicu, Marin Marinescu - *Aspects regarding the kinematic optimization of a tracked military vehicle's transmission* - Springer International Publishing Switzerland 2017, CONAT 2016 International Congress of Automotive and Transport Engineering, Vol. 1, pp. 348-353, ISBN 978-3-319-45446-7, ISBN (eBook): 978-3-319-45447-4, doi 10.1007/978-3-319-45447-4_39
- 3.1 Marian Truta, Laszlo Barothi, Daniela Voicu, Ramona Stoica, Valentin Vinturis - *Considerations concerning the power loops within the all-wheel driven transmissions of the automobile* - *RoJAE Romanian Journal of Automotive Engineering*, March 2018, Volume 24, Number 1, 4th Series. pp. 13-18, ISSN 2457 – 5275 (Online, English) ISSN 1842 – 4074 (Print, Online, Romanian) - **ISI-ESCI (Index Copernicus)**

- 4) **Constantin Ovidiu Ilie**, Marin Marinescu, Octavian Alexa, Radu Vilău, Dănuț Grosu - *Statistical models of petrol engines vehicles dynamics* - CAR2017-029, The International Congress of Automotive and Road Transport Engineering CAR 2017, University of Pitesti, Romania 8-10 Nov. 2017, IOP Conference Series: Materials Science and Engineering, vol. 252 (2017) 012091, IOP Publishing, ISSN 1757-8981, doi: 10.1088/1757-899X/252/1/012091, Article Number: UNSP 12091

- 4.1 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* - September 2019, Journal of Physics Conference Series, 1297:012030, DOI: 10.1088/1742-6596/1297/1/012030 - **ISI Proceedings (Scopus)**
- 5) Alexa Octavian, **Ilie Constantin-Ovidiu**, Vilau Radu, Marinescu Marin, Truta Marian - *Using Neural Networks to Modeling Vehicle Dynamics* - Applied Mechanics and Materials Vol. 659 (2014) pp 133-138, Trans Tech Publications, Switzerland, ISBN 978-3-03835-272-3, doi:10.4028/www.scientific.net/AMM.659.133
- 5.1 Tianyu Shi, Pin Wang, Ching-Yao Chan, Chonghao Zou - *A Data Driven Method of Optimizing Feedforward Compensator for Autonomous Vehicle* - 2019, 30th IEEE Intelligent Vehicle Symposium (IV), 9-12 June, Paris, France Robotics CS, (Cornell University, Ithaca, New York, USA, <https://arxiv.org/abs/1901.11212>) - **ISI Proceedings, (Index Copernicus, SCOPUS)**
- 6) **Ilie Constantin-Ovidiu**, Alexa Octavian, Lespezeanu Ion, Marinescu Marin, Grosu Danut - *Recurrence Plot Analysis to Study Parameters of a Gasoline Engine* - Applied Mechanics and Materials, Vol. 823, pp. 323-328 (2016)
- 6.1 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* - 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 - **FISITA**
- 6.2 Amnah Nasim, Iliana Marcantoni, Agnese Sbröllini, Micaela Morettini, Laura Burattini - *Recurrence Quantification Analysis for Motion Artifacts in Wearable ECG Sensors* - Conference: 2019 IEEE 23rd International Symposium on Consumer Technologies (ISCT), 19th – 21st June 2019, Ancona, Italy, DOI:10.1109/ISCT.2019.8901002
- 6.3 Amnah Nasim, Iliana Marcantoni, Agnese Sbröllini, Micaela Morettini, Laura Burattini - *Recurrence Analysis of Human Body Movements during Activities of Daily Living* - Conference: 2019 IEEE 23rd International Symposium on Consumer Technologies (ISCT), 19th – 21st June 2019, Ancona, Italy, DOI: 10.1109/ISCT.2019.8900986

3.1.2 BDI

- 7) Truta Marian, Marin Marinescu, Vilau Radu, Alexa Octavian, **Ilie Constantin-Ovidiu** - *Self-Generated Torque Induced by the Lockable and Self-Locking Differentials within the 4WD Drivetrain* - Applied Mechanics and Materials Vol. 659 (2014) pp 268-273, Trans Tech Publications, Switzerland, ISBN 978-3-03835-272-3, <http://hdl.handle.net/123456789/543> doi:10.4028/www.scientific.net/AMM.659.268
- 7.1 Alexa, Octavian; Ilie, Constantin-Ovidiu; Vilau, Radu - *Estimating the torque distribution in a planetary gearbox* - The 5th International Conference "Advanced Composite Materials Engineering" and The 3rd International Conference "Research & Innovation in Engineering" „COMAT 2014”, pg 192-196, ISBN 978-606-19-0411-2 - **EBSCO**
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