

PERSONAL INFORMATION



Radu ȚĂRULESCU

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POSITION

Engineer

WORK EXPERIENCE

2025 - present

Associate Professor

Transilvania University of Brasov, Faculty of Mechanical Engineering

- Teaching and research

Business or sector: Vehicle Mechatronics, Automotive Engineering, Thermodynamics, Fluid Mechanics, Communication and Academic Writing.

2019 - 2025

Lecturer

Transilvania University of Brasov, Faculty of Mechanical Engineering.

- Teaching and research

Business or sector: Vehicle Mechatronics, Automotive Engineering, Thermodynamics, Fluid Mechanics, Communication and Academic Writing.

2003 - 2019

Teaching assistant

- Teaching and research

Transilvania University of Brasov, Faculty of Mechanical Engineering.

Business or sector: Thermodynamics, Fluid Mechanics.

EDUCATION AND TRAINING

2012 - 2014

PhD in engineering sciences

Transilvania University of Brasov, Faculty of Mechanical Engineering, Brasov, Romania

- Sensors, Mechatronics.

2002 - 2003

Master Degree

Transilvania University of Brasov, Faculty of Mechanical Engineering, Brasov, Romania

- Mechanic Structures for Technical Systems Management

1997 - 2002

Engineer Degree

Transilvania University of Brasov, Faculty of Mechanical Engineering, Brasov, Romania

- Mechatronics

PERSONAL SKILLS

Mother tongue Romanian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B2	B2

Certificate of Language Competences, No. 711 / 12.09.2012 – B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience as teacher an researcher

Organisational / managerial skills

1. Project Manager, Graduation Certificate with Series I, Nr. 00269977, Issued by the Ministry of National Education, Romania, 2015;
2. Evaluator in the system of continuous professional training, Graduation Certificate with Series I, Nr. 00274524, Issued by the Ministry of National Education, Romania, 2015.
3. Internal Auditor, Graduation Certificate with Series I, Nr. 00270886, Issued by the Ministry of National Education, Romania, 2015;
4. Professional skills assessor, Graduation Certificate with G Series, Nr. 00008276, Issued by the Ministry of Education, Research and Innovation, Romania, 2009;
5. Human resources manager, Graduation Certificate with Series F, Nr. 0176153, Issued by the Ministry of Education, Research and Youth, Romania. 2009;

Job-related skills

1. Education expert, Graduation Certificate with Series I, Nr. 00269966, Issued by the Ministry of National Education, Romania, 2015;
2. Evaluator of providers and training programs, Graduation certificate with Series I, Nr. 00274572, Issued by the Ministry of National Education, Romania, 2015;
3. Expert accessing European structural and cohesion funds, Graduation Certificate with Series I, Nr. 00270859, Issued by the Ministry of National Education, Romania, 2015;
4. School mediator, Graduation Certificate with H Series, Nr. 00041618, Issued by the Ministry of Education, Research, Youth and Sports, Romania, 2012;
5. Mentor, Graduation Certificate with G Series, Nr. 00011325, Issued by the Ministry of Education, Research and Innovation, Romania, 2009;
6. Trainer, Graduation Certificate with Series F, Nr. 0184606, Issued by the Ministry of Education, Research and Youth, Romania, 2008;

Computer skills

- Good command of Microsoft Office™ tools
- Good command of MultiLab Pro tools

Driving licence ▪ B category

ADDITIONAL INFORMATION

Publications ▪ 18 ISI-type articles indexed Web of Science;
▪ 80 publications and articles in the volumes of national and international journals or conferences;
▪ 10 books.

Projects 30 research grants and contracts, 12 of them as a director.

Memberships Member of Romanian Society of Automobile Engineers

Organizing scientific events (conferences, workshops, etc.):

1. Member of the organizing committee for the CONAT 2024 conference, International Congress of Automotive and Transport Engineering, November 2024, Braşov.
2. Member of the organizing committee of the CONAT 2016 International Congress of Automotive and Transport Engineering, October 2016, Braşov.
3. Member of the organizing committee of the Thermodynamic Conference "National Conference on Thermodynamic (CNT - 17)", May 21 – 22, 2009, Braşov.
4. Member of the organizing committee of the "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications, October 19-21, 2006 Brasov, Transilvania University Publishing House of Brasov, ISBN – 10: 973-635-831-3, ISBN – 13: 978-973-635-831-9.

List of research papers and contracts

1. Scientific research grants and contracts:

Grant / Contract	Function	Period
1. Renewable energy for transport vehicles, coordinator, UNITA Starting Grant on Research, nr. 177, ERASMUS-EDU-2023-EUR-UNIV-1, 101124853, Issue: Renewable energy mixes and materials for a more sustainable world, 2024.	director	2024-2025
2. Contract Unitbv, no. 12215 of 18.09.2023, Study for the implementation of the Sustainable Urban Mobility Plan for the Negru Vodă locality, implementation period 20.09.2023 - 20.09.2024.	director	2023-2024
3. Contract Unitbv, no. 35 of 06.04.2023, Study for the implementation of the Sustainable Urban Mobility Plan for the locality of Cajvana, implementation period 12.04.2023 - 12.04.2024.	director	2023-2024
4. Contract Unitbv, no. 7063 of 31.05.2023, Road traffic study for the intersection between Calea București and Strada Lacurilor, Brașov, implementation period 8.06.2023 – 8.07.2023.	director	2023
5. Contract Unitbv, no. 7216 of 31.05.2022, Feasibility study regarding the establishment of the management method of the local public passenger transport service in Mangalia Municipality, implementation period 6.06.2022 - 6.06.2023.	director	2022-2023
6. Contract Unitbv, no. 3680 of 24.03.2022, Study for the implementation of the Sustainable Urban Mobility Plan of the city of Nădlac, implementation period 31.03.2022 - 15.09.2022.	director	2022
7. Contract Unitbv, no. 1181 of 2022, Study on the implementation of the Climate and Energy Action Plan, implementation period 2022.	member	2022
8. Contract Unitbv, no. 14979 of 2022, External expertise services - testing, analysis and technical consultancy within the Thematic Trail Trigger Project - Three T (Initiation of Thematic Trails), implementation period 2022.	member	2022
9. Contract Unitbv, no. 2741 of 2021, Road Traffic Modeling for the intersections of the city of Agnita, implementation period 2021.	member	2021
10. Contract cu terți Unitbv, nr. 666 din 22.01.2022, "Modernizarea transportului în municipiul Hunedoara prin investiții în transportul public ecologic – Coridorul Central ", perioada de desfășurare 22.01.2020 – 20.02.2020.	director	2020
11. Contract Unitbv, no. 667 of 22.01.2022, "Modernization of transport in Hunedoara municipality through investments in ecological public transport – Eastern Corridor", implementation period 22.01.2020 – 20.02.2020.	director	2020
12. Contract Unitbv, no. 668 of 22.01.2022, "Modernization of transport in Hunedoara municipality through investments in ecological public transport – Western Corridor", implementation period 22.01.2020 – 20.02.2020.	director	2020
13. Contract Unitbv, no. 6274 of 12.06.2019, "Collection of traffic data for updating the traffic study related to Brașov Municipality" period 20.05.2019 – 30.11.2019.	director	2019 -2020
14. Contract Unitbv, no. 3058 of 22.03.2019, Solutions and measures regarding the systematization of traffic on the AUTOLIV Brasov Platform, implementation period 21.03.2019 - 30.05.2019.	member	2019
15. Contract Unitbv, no. 15427 of 26.10.2018, Systematization of traffic on the AUTOLIV Platform, implementation period 24.10.2018 – 06.02.2019.	member	2018-2019
16. Contract Unitbv, no. 3058 of 2018, Solutions and measures regarding the systematization of traffic on the AUTOLIV Brașov Platform, implementation period 2018 -2019.	member	2018-2019
17. Contract Unitbv, no. 3162 of 15.03.2018, "Technical analysis of buses equipped with hybrid propulsion system", implementation period 15.03.2018 – 26.04.2018.	director	2018

18. Contract Unitbv, no. 7281 of 14.06.2018, Study on the adaptation of urban space and civil buildings to the individual needs of people with disabilities, implementation period 15.06.2018 – 26.09.2018.	member	2018
19. Grant, no. 8040/14.07.2107, System for reducing carbon dioxide concentration in the exhaust gases of thermal engines, - 2017 competition "Grants for young researchers", Transilvania University of Braşov, period 14.07.2017– 16.07.2018.	member	2017-2018
20. Contract Unitbv, no. 1755 of 16.02.2017, "Introduction of an intelligent and ecological urban transport system in the city of Ghimbav. Routes and infrastructure for electric transport", implementation period 16.02.2017– 16.03.2018.	member	2017-2018
21. Contract Unitbv, no. 9239 of 07.08.2017, "Road traffic study for the city of Cernavodă", implementation period 1.08.2017 – 30.12.2017.	member	2017
22. Contract Unitbv, no. 11656 of 29.09.2016, "Comparative technical and economic analysis between Diesel buses, electric buses and trolleybuses", period 29.09.2016 – 28.10.2016.	director	2016
23. Contract Unitbv, no. 12845 of 14.10.2016, "Study on energy efficiency parameters at the level of the local strategy and SEAP for the city of Ghimbav", implementation period 14.10.2016 – 01.12.2016.	member	2016
24. Contract Unitbv, no. 2842 of 14.03.2016, "Sustainable urban mobility plan of the city of Ghimbav", implementation period 11.03.2016 – 01.10.2016.	member	2016
25. Contract Unitbv, no. 10946 of 14.09.2015, "Mobility study regarding road traffic in the city of Ghimbav", implementation period 01.10.2015 – 30.04.2016.	member	2015 - 2016
26. ESF Grant POSDRU/22/2.1/G/40291, Sectoral Operational Program for Human Resources Development 2007 – 2013, Priority Axis: 2-"Correlating lifelong learning with the labor market", Major area of intervention: 2.1-"Transition from school to active life", Project title: Facilitating the insertion into the labor market of students with a study program in mechanical engineering.	member	2010 - 2012
27. Scientific research contract CEEEX, ET. 5885/18.09.2006, "Study of the aerodynamic interaction between automobile and roadway". Phase I and II.	member	2006 - 2008
28. CEEEX scientific research contract, 91/31.07.2006, Miniature robotic system with reconfiguration and self-multiplication abilities, Module 1.	member	2006
29. Scientific research contract CNCIS – A, 27684/2005, code 1036, "Modeling, design and implementation of an intelligent system for measuring, acquiring and interpreting results for the real-time characterization of soil agro-productive parameters."	member	2005
30. Scientific research contract CNCIS 33.253/2003 code 150 "Analysis of the influence of ground effect on the aerodynamic characteristics of an off-road vehicle - Phase II - Experimental analysis of the aerodynamic characteristics of the vehicle chosen for the study".	member	2003

2. Books:

1. Țărulescu S., Țărulescu R., Țărulescu N., Metodica și aparatura pentru analiza datelor de trafic rutier, GlobeEdit Publishing, Saarbrücken, Germany, 2020, ISBN 978-613-9-41804-6.
2. Țărulescu R., Memoriu tehnic – Electric SMART. Vehicul cu sistem ecologic de propulsie, 2019, Editura Edu Plus, Braşov, ISBN 978-606-94816-6-0.
3. Țărulescu R., Țărulescu S., Bazele sistemelor automate, (Versiune electronică CD), 2019, Editura Universităţii Transilvania din Braşov, ISBN 978-606-19-1119-6.
4. Țărulescu R., Țărulescu S., Ispas N., Sensors and control systems for vehicles, (Versiune electronică CD), Editura Universităţii Transilvania din Braşov, 2019, ISBN 978-606-19-1127-1.
5. Țărulescu R., Țărulescu S., Vehicle mechatronics, (Versiune electronică CD), Editura Universităţii Transilvania din Braşov, 2019, ISBN 978-606-19-1128-8.

6. Țărulescu R., Ispas N., Bazele ingineriei autovehiculelor. Aplicații, (Versiune electronică CD), 2019, Editura Universității Transilvania din Brașov, ISBN 978-606-19-1120-2.
7. Țărulescu R., Țărulescu S., Mijloace de transport ecologice. Autobuze electrice și troleibuze, decembrie 2016, Editura Universității Transilvania din Brașov ISBN 978-606-19-0804-2.
8. Țărulescu R., Țărulescu S., Mijloace de transport ecologice. Autobuze electrice și troleibuze (Versiune electronică CD), decembrie 2016, Editura Universității Transilvania din Brașov ISBN 978-606-19-0803-5.
9. Țărulescu R., Optimizarea configurației senzorilor utilizați la robotii mobili, GlobeEdit Publishing, Saarbrücken, Germany, 2016, ISBN 978-3-330-71350-5.
10. Ungureanu V.B., Costiuc L., Țărulescu R., Mecanica fluidelor și mașini hidraulice. Curs și lucrări aplicative (Versiune electronică CD), decembrie 2015, Editura Universității Transilvania din Brașov ISBN 978-606-19-0696-3.
11. Ungureanu V. B., Țărulescu R., Crăciun O., Mașini și aparate fluidice, decembrie 2012, Editura Universității Transilvania din Brașov ISBN 978-606-19-0144-9.
12. Ungureanu V. B., Țărulescu R., Crăciun O., Mașini și aparate fluidice (Versiune electronică CD), decembrie 2012, Editura Universității Transilvania din Brașov ISBN 978-606-19-0143-2.
13. Țărulescu R., Crăciun O., Elemente de mecanica fluidelor și unele aplicații practice, decembrie 2009, Editura Universității Transilvania din Brașov ISBN 978-973-598-665-0.

3. ISI Web of Knowledge articles:

1. Leahu C., Năstăsioiu M., Țărulescu R., Some Considerations on Optimal Placement of the Arm Hydraulic Cylinder to an Excavator, The 30th SIAR International Congress of Automotive and Transport Engineering: Science and Management of Automotive and Transportation Engineering, Springer International Publishing, pp 88-94, 2020.
2. Țărulescu S., Țărulescu R., Leahu C., On-Board Measurement of Emissions from Spark Ignition Engine Vehicle for Urban Routes, The 30th SIAR International Congress of Automotive and Transport Engineering: Science and Management of Automotive and Transportation Engineering, Springer International Publishing, pp 241-248, 2020.
3. Țărulescu R., Țărulescu S., Leahu C., Luca-Motoc D., Marine Ship Equipped with Air Turbine–Electric Generator Aggregate, The 30th SIAR International Congress of Automotive and Transport Engineering: Science and Management of Automotive and Transportation Engineering, Springer International Publishing, pp 188-194, 2020.
4. Țărulescu R., Țărulescu S., Șoica A., Optimization of Cooling System for Internal Combustion Engines. Proceedings of the 4th International Congress of Automotive and Transport Engineering, AMMA2018, Proceedings in Automotive Engineering. Springer, Cham, 2019.
5. Leahu Cl., Radu S., Țărulescu S., Țărulescu R., Usage of Electric Motors/Generators for Engines Supercharging in Order to Increase the Efficiency of Exhaust Gas Energy Recovery. Proceedings of the 4th International Congress of Automotive and Transport Engineering, AMMA2018, Proceedings in Automotive Engineering. Springer, Cham, 2019.
6. Luca Motoc D., Țărulescu R., Țărulescu S., Soica A., Designing Hybrid BF/FF Epoxy Based Composites with Tailorable Dielectric Properties. Proceedings of the 4th International Congress of Automotive and Transport Engineering, AMMA2018, Proceedings in Automotive Engineering. Springer, Cham, 2019.
7. Leahu Cl., Țărulescu S., Țărulescu R., The exhaust gas temperature control through an adequate thermal management of the engine, IOP Conference Series: Materials Science and Engineering, Volume 444, Automotives. Engine and Transmission. Road Safety, doi:10.1088/1757-899X/444/7/072016, 2018.
8. Țărulescu R., Țărulescu S., Leahu C., Downforce variation dependence of angle of incidence modification for the rear wing of high speed vehicles, CAR2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, IOP Conference Series: Materials Science and Engineering Volume 252, Conference 1, ISSN.1757-899X, 2017.
9. Țărulescu S., Țărulescu R., Șoica A., Leahu C., Smart Transportation CO₂ Emission Reduction Strategies, CAR2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, IOP Conference Series: Materials Science and Engineering Volume 252, Conference 1, ISSN.1757-899X, 2017.
10. Țărulescu R., Țărulescu S., Electronic control systems of E-Smart vehicle, CONAT 2016 International Congress of Automotive and Transport Engineering, Springer International Publishing Switzerland, ISBN 978-3-319-45446-7, pp: 509-516, 2017.
11. Țărulescu R., Țărulescu S., Battery management system of E-Smart vehicle, CONAT 2016 International Congress of Automotive and Transport Engineering, Springer International Publishing Switzerland, ISBN 978-3-319-45446-7, pp: 517-524, 2017.
12. Țărulescu R., Țărulescu S., Researches on combustion quality for a single cylinder Diesel engine, CONAT 2016 International Congress of Automotive and Transport Engineering, Springer International Publishing Switzerland, ISBN 978-3-319-45446-7, pp: 435-441, 2017.

13. Țărulescu S., Țărulescu R., Urban transportation solutions for the CO₂ emissions reduction contributions, CONAT 2016 International Congress of Automotive and Transport Engineering, Springer International Publishing Switzerland, ISBN 978-3-319-45446-7, pp: 442-450, 2017.
14. Țărulescu R., Energy recovery for a road vehicle, 7th International Conference on Advanced Concepts in Mechanical Engineering (Iasi - ACME 2016), IOP Conference Series: Materials Science and Engineering Volume 147, Number 1, ISSN.1757-899X, 2016.
15. Țărulescu R., Țărulescu S., Measurement methods for the path deviation of mobile robots, Electronics, Computers and Artificial Intelligence – ECAI 2015, Vol. 7 – No. 3, pag. 91-94, IEEE Catalog Number CFP1527U, 2015, ISSN – 1843-2115.
16. Țărulescu S., Țărulescu R., Țoica A., Pollution level produced at engine start for a hybrid vehicle, European Automotive Congress, EAEC-ESFA'15 006B – FEP, November 25 - 27, 2015, ISSN 2067-1083, p 54-61, Volume21, Issue 4, Pages 143-149, Published DEC 2015, Ingineria Autovehiculului.
17. Țărulescu S., Țărulescu R., Țoica A., Approximation of the carbon monoxide concentration resulting from the road traffic using experimental measurements, 20th International Symposium "Intelligent Manufacturing and Automation: Focus on Theory, Practice and Education"; Vienna, Austria, 25 November 2009, ISSN: 17269679, ISBN: 978-390150970-4.
18. Țărulescu S., Țărulescu R., Țoica A., Mathematical model of pollution compounds calculus in function of traffic capacity from urban areas, Proceedings of the 1st International Conference on Multivariate Analysis and its Application in Science and Engineering (MAASE 08), Istanbul, Turcia, 27-30 mai 2008, ISSN: 1790-5117, ISBN: 978-960-6766-65-7, ISI Thomson Reuters.

4. International databases articles:

1. Țărulescu, R., Țărulescu, S., Chiru, A., Covaciu, D., Butnariu, S., Szigeti, R., Niculescu M., Study on the implementation of an efficient rural public transport system, International Congress of Automotive and Transport Engineering, CONAT, Springer Nature, 2024.
2. Țărulescu, S., Țărulescu, R., Soica, A., Covaciu, D., Leahu, C.I., Duguleană, M., Szigeti, R., Measures to reduce the environmental impact of transport proposed in SUMPs for small cities, International Congress of Automotive and Transport Engineering, CONAT, Springer Nature, 2024.
3. Tarulescu, S., Tarulescu, R., Soica, A., Chiru, A., Leahu, C.I., Szigeti, R Evaluation and analysis of public transport services for county seat municipalities in Romania, International Congress of Automotive and Transport Engineering, CONAT, Springer Nature, 2024.
4. Țărulescu R., Țărulescu S., Leahu C., Olaru M., Photovoltaic system for E-Smart electric vehicle, IOP Conference Series: Materials Science and Engineering, Volume 1220, Issue 1, IOP Publishing, 2022.
5. Țărulescu S., Țărulescu R., Țoica A., Researches on combustion Quality for a GDI experimental engine, Scientific Research and Education in the Air Force - Proceedings of the AFASES 2016, Brasov, pp: 385-392, 2016.
6. Țărulescu S., Cofaru C., Țărulescu R., Cold engine's operating regime influence over the exhaust emissions, Applied Mechanics and Materials, ISSN: 1662-7482, Vol. 822, pp 219-223, Trans Tech Publications, Switzerland, 2016.
7. Țărulescu R., Olteanu C., Zamfira S., Variation of start acceleration for wheeled and tracked autonomus mini-vehicles, Applied Mechanics and Materials, ISSN: 1662-7482, Vol. 822, pp 299-304, Trans Tech Publications, Switzerland, 2016.
8. Țărulescu R., Olteanu C., Navigation system optimization for mobile robot Pro Bot 128, 5th International Conference "Advanced Composite Materials Engineering" and The 3rd International Conference "Research & Innovation in Engineering" COMAT 2014, 16-17 October 2014, Brașov, ISBN 978-606-19-0411-2.
9. Țărulescu S., Țărulescu R., Leahu C.I., Optimizing Combustion in an Single Cylinder GDI SI Engine, Proceedings of the European Automotive Congress EAEC-ESFA 2015, Springer Cham Heidelberg New York Dordrecht London, ISBN 978-3-319-27275-7 ISBN 978-3-319-27276-4 (eBook), Library of Congress Control Number: 2015955888 p. 395-404, 2015.
10. Țărulescu S., Țărulescu R., A prediction model for urban air pollution in Brasov city, CAR 2011 International Automotive Congress, Automotive Engineering and Environment, 2011, ISSN 1453 – 1100.
11. Țărulescu S., Țărulescu R., Road traffic chemical pollution modeling system, The 11th International Congress on Automotive and Transport Engineering CONAT 2010, Volume IV – Advanced Transport System and Road Traffic, Brasov, 27-29 October 2010, ISSN 2069-0401.
12. Benche V., Ungureanu V., Țărulescu R., Țărulescu, S., The analysis of some hydraulic possibilities for energy recovery-stockage of the vehicles variable movement, Romanian Technical Sciences Academy, Modelling and Optimization in the Machines Building Field, Volume 1, Editura ALMA MATER, Bacau, 2008, ISSN 1224-7480.
13. Țărulescu R., Benche V., Țărulescu S., The hydraulic scheme elaboration for the hydrostatic traction of the vehicles, The XXX^{ist} "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications, October 19-21, 2006 Brasov, Editura Universității Transilvania din Brașov, ISBN – 13: 978-973-635-831-9.
14. Țărulescu S., Țărulescu R., The influence of the road traffic on noise pollution in urban areas, International Congress on Automotive CAR 2005-1043, 2 -4 November 2005, Pitești, Editura Universității din Pitești, ISBN 973-690-450-4.
15. Țărulescu S., Țărulescu R., The interior and exterior noise analysis produced by the vehicles, International Congress on Automotive CAR 2005-1070, 2 -4 November 2005, Pitești, Editura Universității din Pitești, ISBN 973-690-450-4.

5. Articles published in specialized journals:

1. Țărulescu R., Ultrasonic detection of obstacles with different shapes, Revista Creativitate și Inventică, Creativity and Inventics. Journal of the Doctoral School, Vol. 6, ISSN 2067-3086, Editura Universitatii Transilvania Brașov, 2014.
2. Țărulescu R., Mobile robots navigation in a maze type of working environment, Revista Creativitate și Inventică, Creativity and Inventics. Journal of the Doctoral School, Vol. 6, ISSN 2067-3086, Editura Universitatii Transilvania Brașov, 2014.
3. Țărulescu R., Țărulescu S., Infrared detection sensors for mobile robots, Academic Journal of Manufacturing Engineering, Supplement, Issue 2 / 2008, Editura Politehnica Timisoara, ISSN 1583-7904.
4. Țărulescu R., Țărulescu S., Ultrasonic sensors for mobile robots, Academic Journal of Manufacturing Engineering, Supplement, Issue 2 / 2008, Editura Politehnica Timisoara, ISSN 1583-7904.
5. Țărulescu R., Țărulescu S., Studiu privind zgomotul interior produs de autovehiculele rutiere, Revista de Inginerie Industrială RECENT, Vol. 7, Nr. 18, Brașov, noiembrie 2006, Editura Universității Transilvania din Brașov, ISSN 1582 – 0246.
6. Benche V., Țărulescu R., Țărulescu S., Câteva observații optimizatoare privind lovitură de berbec în conducte forțate, Revista de Inginerie Industrială RECENT, Vol. 7, Nr. 16, Brașov, mai 2006, Editura Universității Transilvania din Brașov, ISSN 1582 – 0246.
7. Benche V., Țărulescu R., Țărulescu S., Contribuții la definirea analitică a dinamicii decolării unui avion; avionul asimilat ca un vehicul pe roți cu aripă portantă în mișcare orizontală variabilă (accelerată), Sesiunea de comunicări științifice cu participare internațională „Terra Dacica – România Mileniului Trei”, Academia Forțelor Aeriene „Henri Coandă”, Brașov 5-6 mai 2006, ISSN 1453-0139.

6. Papers published in the volumes of specialized conferences:

1. Țărulescu S., Țărulescu R., Leahu C., Carbon Dioxide Control Technologies for Diesel Engines, CAR2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, SCIENTIFIC BULLETIN of UNIVERSITY OF PITESTI, AUTOMOTIVE series, year XXIV, no. 28, 2017.
2. Țărulescu R., Țărulescu S., Benche V., Dynamic characteristics of a translational mobile aggregate, ANNUAL SESSION OF SCIENTIFIC PAPERS IMT ORADEA, Universitatea din Oradea, ISSN 1583-0691, 2015.
3. Țărulescu R., Costiuc L., Benche V., Heat exchanger between Newtonian viscous fluids, with flat surfaces, without phase change, in laminar flow regime, ANNUAL SESSION OF SCIENTIFIC PAPERS IMT ORADEA, Universitatea din Oradea, ISSN 1583-0691, 2015.
4. Țărulescu S., Șoica A., Țărulescu R., Emissions level approximation at cold start for Diesel vehicles, ANNUAL SESSION OF SCIENTIFIC PAPERS IMT ORADEA, Universitatea din Oradea, ISSN 1583-0691, 2015.
5. Țărulescu S., Șoica A., Țărulescu R., LPG, a solution for old vehicles pollution reduction, ANNUAL SESSION OF SCIENTIFIC PAPERS IMT ORADEA, Universitatea din Oradea, ISSN 1583-0691, 2015.
6. Țărulescu R., Zamfira S., Olteanu C., Sensorial system optimization for one autonomous mini-vehicle, Proceedings of International Congress „Science and Management of Automotive and Transportation Engineering” SMAT 2014, Vol 1, 23-25 October 2014, Craiova, ISBN 978-606-14-0864-1.
7. Țărulescu S., Țărulescu R., The influence of wind speed and direction over the ultrasonic detection, Proceedings of International Congress „Science and Management of Automotive and Transportation Engineering” SMAT 2014, Vol 2, 23-25 October 2014, Craiova, ISBN 978-606-14-0864-1.
8. Țărulescu R., Olteanu C., Țărulescu S., Texture of material influence at ultrasonic detection, ANNUAL SESSION OF SCIENTIFIC PAPERS IMT ORADEA, Universitatea din Oradea, ISSN 1583-0691, 2014.
9. Țărulescu R., Țărulescu S., Olteanu C., Vehicle pollution for cold engine functioning, ANNUAL SESSION OF SCIENTIFIC PAPERS IMT ORADEA, Universitatea din Oradea, ISSN 1583-0691, 2014.
10. Țărulescu R., Usage of parallax ultrasonic sensors in distance measurements, ANNUAL SESSION OF SCIENTIFIC PAPERS IMT ORADEA, Universitatea din Oradea, ISSN 1583-0691, 2013.
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