

Lucrări reprezentative (selecție)

Lucrări indexate BDI publicate în ultimii 10 ani

1	Experiences applying „education by research principles” on the ecosonic concept car BDI-FISITA	CONAT 2004 International Automotive Congress Brasov/Romania	Radu Gh-Al., Abăitânc ei H. ș.a.
2	Numerical simulation of the processes inside the pressure wave supercharger (PWS) BDI-FISITA	The 9th International Congress on Automotive , 2005, Pitești, România	Radu Gh-Al., Abăitânc ei H. ș.a.
3	Calculus for matching a pressure wave supercharger with an internal combustion engine BDI-FISITA	Congresul International MVT 2006, 15-17 Nov., Timisoara, ISBN-10; 973-638-284-2. ISBN-13; 978-073-638-284-0.	Radu Gh-Al., Hîrceaga M.
4	Integration of Hydraulic Converter as Variable Flow Pump in the Hydraulik- Hybrid Propulsion System BDI-FISITA	CONAT 2010 The 11th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.1, p. 131-138, ISSN 2069-0401	Petric Aron-Adr., Radu Gh-Al., ș.a.
5	Identifying the Flow Processes in Hydraulik Converter as Pump with Variable Flow BDI-FISITA	CONAT 2010 The 11th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.1, p. 139-144, ISSN 2069-0401	Petric Aron-Adr., Radu Gh-Al., ș.a.
6	Fluid Power Energy Generator Using Free Piston Engine BDI-FISITA	CONAT 2010 The 11th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.1, p. 159-166, ISSN 2069-0401	Soare Ionuț Tudor, Radu Gh-Al., ș.a.
7	Free Piston Hydraulik Energy Generator using the Stirling Engine Principle BDI-FISITA	CONAT 2010 The 11th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.1, p. 167-172, ISSN 2069-0401	Soare Ionuț Tudor, Radu Gh-Al., ș.a.
8	The Importance of Introducing the One-Way Valves around the Forks of the Hydraulic Installation of a Hybrid-Hydraulic Vehicle BDI-FISITA	CONAT 2010 The 11 th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.2, p. 15-20, ISSN 2069-0401	Serbanes cu, Vl., Radu Gh-Al., ș.a.
9	The Variation of Power Obtained by Serial and Paralel Connection of a Shock Absorber Energy Recovery Sistem Installed on a Hybrid Hydraulic Vehicle BDI-FISITA	CONAT 2010 The 11 th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.2, p. 21-26, ISSN 2069-0401	Serbanes cu, Vl., Radu Gh-Al., ș.a.
10	The Sonic Asynchronous Motor for Vehicle Application BDI-FISITA	CONAT 2010 The 11 th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.2, p. 37-42, ISSN 2069-0401	Radu Sebastian , Radu Gh-Al., ș.a.
11	The Free Piston Engine as Prime Mover for Converter Based Vehicle Propulsion Systems BDI-FISITA	CONAT 2010 The 11 th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.2, p. 47-52, ISSN 2069-0401	Abăitânc ei Horia, Radu Gh-Al., ș.a.
12	Sonic Propulsion System, an overall View of possible Solutions BDI-FISITA	CONAT 2010 The 11 th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.2, p. 53-58, ISSN 2069-0401	Abăitânc ei Horia, Radu Gh-Al., ș.a.
13	Diesel Engine In-Cylinder Calculations with Openfoam BDI-FISITA	CONAT 2010 The 11 th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.5, p. 25-30, ISSN 2069-0401	Adorean Ervin, Radu Gh-Al.
14	The parallel sonic resonator as transmission optimization solution for sonic propulsion systems BDI-FISITA	CONAT 2010 The 11 th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Brașov, România, vol.2, p. 43-46, ISSN 2069-0401	Radu Sebastian , Radu Gh-Al.,

			ș.a.
15	Rotordynamics for turbocharger application using MathLab software	FISITA 2012, World Automotive Congress, Beijing, Nov.2012, Proceedings and Abstracts, F 2012-J03-021	Boricean C.C, Radu Gh-Al.

Lucrări publicate în ultimii 10 ani în reviste

1	Studii privind transmisia hibrid-hidraulica a unui vehicul	Rev. INMATEH, iulie 2008, ISSN 1583-1019, rev. CNCSIS B+	Colectiv
2	Constructive Influences of the Energy Recovery System in the Vehicle Dampers,	Romanian Review Precision Mechanics, Optics & Mechatronics, Nr. 36/2009, ISSN: 1584-5982	Serbanescu, Vl., Radu Gh-Al., ș.a.
3	Homogenous charge compression ignition engine's control using the residual gas trapping method	Revista „Ingineria automobilului” nr.21/decembrie-ianuarie 2012, p. 17-19, ISSN 1842-4074	Cosgarea R., Cofaru C., Radu Gh-Al.
4	Anul 2011. Confirmari si tendinte in industria automobilului	Revista „Ingineria automobilului” nr.21/decembrie-ianuarie 2012, p.3, ISSN 1842-4074	Radu Gh-Al.
5	Analysis of the influencing Factors on the Optimal Driving Speed of a Pressure Wave Supercharges (PWS)	Revista „Ingineria automobilului”, vol.6, nr.1, martie 2012, p. 15-16, ISSN 1842-4074	Harceaga M., Radu Gh-Al.
6	Diesel engine turbochargers-analysis and testing	Bulletin of the Transilvania University of Brasov, BUT vol. 5(54) no.1- 2012	Boricean C.C, Radu Gh-Al.

Lucrări în volume de conferințe cu referenți (selecție)

1	Contributions to the causes of destructions recorded in vehicles' engines regarding the complex analysis of interaction cooling liquids-cylinder jacket	CONAT 2004 International Automotive Congress Brasov/Romania	Radu Gh-Al., Manea L., ș.a.
2	The analysis of Vehicle Running conditions for hydrostatic Energy Recovery in Vehicle Shock Absorbers	Conference on sustainable energy; July 2005, Brasov, Romania	Radu Gh-Al., ș.a.
3	Posibilități de mărire a eficienței serviciilor portuare prin implementarea transportului inter si multi modal	Conferința Internațională „Sisteme de Transport și Logistică” Chișinău 5-7 Oct. 2005. Edit. Evrica. ISBN 9975-942-90-3	Radu Gh-Al., Manea L., ș.a.
4	Study on efficiency improvement using dynamical phenomena in liquids for pressure wave based motors considering vehicle applications	5 th International Fluid power Conference Aachen 2006/Germania „Customer Benefits of Fluid Power” vol.1 ISBN 3-8322-4839-0 , ISSN 1437-8434	Abăitanc ei h., Radu Gh-Al., ș.a.
5	Cavitation control settings applied on intelligent diesel marine propulsion engines	International Conference on Small Craft Related Sciences and Engineering, Bodrum Turkey, Nov. 2006;	Radu Gh-Al., Manea L., ș.a.
6	Developing a simulation Tool for Diesel Injection Systems	International Congress AMMA 2007, Automobile, Environment and Farm Machinery, Cluj-Napoca, vol. IV, ISSN 1221-5872	Abăitanc ei h., Radu Gh-Al., ș.a.

7	CFD Analysis of In-Cylinder Flow in Diesel Engines	TEHNONAV 2008 The 6th edition of the international Conference on naval and mechanical engineering, Constanta , mai 2008, Vol X, Tom I, ISSN-1223-7221	Adorjan E., Radu Gh-Al.
8	Research regarding the behavior of a monocylinder Diesel with a spray impingement diffusion injection system	TEHNONAV 2008 The 6th edition of the international Conference on naval and mechanical engineering, Constanta , mai 2008, ISSN-1223-7221	Mădăres cu V., Radu Gh-Al.
99	Wind Blade Power Plant in CATIA V5R16 Configuration	TEHNONAV 2008 The 6th edition of the international Conference on naval and mechanical engineering, Constanta , mai 2008, ISSN-1223-7221	Tudor C., Radu Gh-Al.
10	Analysis of design and running factor on the hydraulic energy recovery system from vehicle shock absorber	SMAT 2008 International Congress Automotive, Safety and Environment, Craiova, p.265-268, Tom I, ISBN 978-606-510-253-8	Abăitanc ei H., Radu Gh-Al., ș.a.
11	Diesel Engine In-Cylinder Calculation with OpenFOAM	THIESEL 2008 Conference on Thermo-and Fluid Dynamic Processes in Diesel Engines, Valencia/Spain, p.555-559, ISBN 978-84-8363-313-7	Adorean, E., Radu, Gh-Al.
12	Study of the hydraulic system for brake energy and shock absorber energy recovery in a hydraulic hybrid vehicle	The 33 rd international conference on automotive engineering ORV, 2008, Bucuresti, ISBN 978-973-640-149-7	Dănilă B., Radu gh-Al., ș.a.
13	Possibilities of Hydrostatic Energy Recovery in Vehicle Shock Absorbers, a Study Using Multisystem Simulation and an Experimental Demonstration Model	6th International Fluid Power Conference Dresden, „Fluid Power in Motion“, 2008, Dresden/Germany	Dănilă B., Radu gh-Al., ș.a.
14	Constructive Influences of the Energy Recovery System in the Vehicle Dampers	Proceedings of the 1 st International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New High-Tech Products Development MECAHITECH 09, October 8-9 București, România p 40-50 ISSN: 1584-5982	Serbanes cu, Vl., Radu Gh-Al., s.a.
15	Energy Recovery System From The Vehicle Dampers And The Influence Of The Tank Pressure,	Proceedings of the 3 rd International Conference Computational Mechanics And Virtual Engineering COMEC 2009, October 29-30 Braşov România p 697-701 ISBN 978-973-598-572-1	Serbanes cu, Vl., Radu Gh-Al., s.a.
16	The Influence of Parallel and Serial Connection of Energy Recovery Cylinders on the Vehicle Shock Absorber Energy Recovery System,	Proceedings of the 8th International Conference “Fuel Economy, Security and Reliability of the Automobile – ESFA 2009”, 2009 November 12-14 București, România, vol 1, p 495-501 ISSN: 2067-1091.	Serbanes cu, Vl., Radu Gh-Al., s.a.
17	A Study of Parameters Influencing the Performance of a Pressure Wave Supercharger (PWS)	CONAT 2010 The 11 th International Congress on Automotive and Transport Engineering, 27-29 Oct, 2010. Braşov, România, vol.1, p. 19-26, ISSN 2069-0401	Mădăres cu, Vl., Radu Gh-Al., ș.a.
18	.Modal Testing of a Small Wind Turbine Power Generator Blade	COMAT 2010 3 rd International Conference “Advanced Composite Materials Engineering “ & “Research & Innovation in Engineering”, 27-29 Oct, 2010. Braşov, România, vol.3, p. 227-232, ISSN 1844-9336	Rosca I.C., Radu Gh-Al., ș.a.
19	Damping Ratio Function Experimental Determination for Small Wind Turbine Power Generator Blade	COMAT 2010 3 rd International Conference “Advanced Composite Materials Engineering “ & “Research & Innovation in Engineering”, 27-29 Oct, 2010. Braşov, România, vol.3, p. 227-232, ISSN 1844-9336	Rosca I.C., Radu Gh-Al., ș.a.
20	Performances Improvment of DieselEngines by Incresing the Efficiency of the Supercharged Process	The Automotive and the Environment ISBN 978-1-4438-2927-4, p.75-84, Cambridge Scholars Publishing, 2011	Leahu C, Radu Gh-Al, Mardares cu V, Hirceaga

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