

LISTA PUBLICAȚII

Ioan Dumitru HITICAS

1. **I. D. Hiticaș**, D. Marin, L. Mihon, “*Modeling and Operational Testing of Pulse Width Modulation at Injection Time for a Spark-Ignition Engine*”, Technical Gazette Journal, ISSN: 1330-3651, ISI Thomson, Croatia, **accepted** for publication.
2. D. Marin, **I. D. Hiticaș**, L. Mihon, „Fuzzy Logic Control Applied on SI Engine Concerning the Injection Time Evolution”, 13th IEEE International Symposium on Computational Intelligence and Informatics, CINTI 2012, Budapest, **accepted** for publication, IEEEExplore, November 2012, *in paper*.
3. **I. D. Hiticaș**, W. Svoboda, D. Marin, G. Piciorea, “Programmable ECU for Optimal Control of SI Engine”, Buletinul Stiintific al Universitatii Politehnica din Timisoara, Romania, Seria Mecanica, ISSN 1224-6077, Editura Politehnica, Transaction on Mechanic, November 2012, *in paper*.
4. W. Svoboda, D. Iorga, L. Mihon, **I. Hiticaș**, “Methane Number”, International Conference of Motor Vehicle & Transportation, MVT 2012, Timisoara, November 2012, *in paper*.
5. Daniel G. Piciorea, M. Buculei, **I. D. Hiticas**, M. Nicolescu, „Studies of Fish Oil Biodiesel in Diesel Engines”, International Conference of Motor Vehicle & Transportation, MVT 2012, Timisoara, November 2012, *in paper*.
6. **I. D. Hiticas**, L. Mihon, E. Resiga, W. Svoboda, „Gas emission of a SI engine with programmable ECU”, International Conference of Motor Vehicle & Transportation, MVT 2012, Timisoara, November 2012, *in paper*.
7. **I. D. Hiticaș**, D. Marin and L. Mihon, “*Experimental research concerning the pollution of an internal combustion engine with injection of gasoline, in conditions of changing the fuel*”, International Conference on Innovative Technologies, IN-TECH 2012, Rijeka, Croatia, pp. 199 – 203, September 2012.
8. **I. D. Hiticaș**, D. Marin and L. Mihon, “*Increasing of the internal combustion engines performances through the intake manifold system*”, International Conference on Innovative Technologies, IN-TECH 2012, Rijeka, Croatia, pp. 239 – 243, September 2012.
9. **I. D. Hiticaș**, L. Mihon, D. Iorga, W. Svoboda, „Emission level from internal combustion engine using fossil and alternative fuels”, ACME 2012, paper published in *Buletinul Institutului Politehnic Iasi*, Tomul LVIII (LXII), Fasc. 4, ISSN 1011-2855, Romania, Index Copernicus, Octombrie 2012.
10. **I. D. Hiticas**, D. Iorga, L. Mihon, E. Resiga and N. Uricanu, „*Studies and experimental research concerning the performances of the internal combustion engine, controlled over the powertrain control module*”, 5th SYMPOSIUM DURABILITY AND RELIABILITY OF MECHANICAL SYSTEMS, SYMECH 2012, Targu-Jiu, 18-19 Mai 2012, pp 5, Fiability & Durability Journal, ISSN 1844 – 640X, Editura „Academia Brancusi”, Targu-Jiu, Romania, Issue:Suppliment No. 1/2012, pp. 23 – 28, Index Copernicus, Mai 2012.
11. **I. D. Hiticas**, D. Iorga, L. Mihon, N. Uricanu and G. Piciorea, „*The influence of the intake manifold system concerning the performances of the internal combustion engine*”, 5th SYMPOSIUM DURABILITY AND RELIABILITY OF MECHANICAL SYSTEMS, 18-19 Mai 2012, pp. 5, Fiability & Durability Journal, ISSN 1844 – 640X, Editura „Academia Brancusi”, Targu-Jiu, Romania, Issue: Suppliment No. 1/2012, pp. 29 – 35, Index Copernicus, Mai 2012.
12. **I. D. Hiticas**, D. Marin, L. Mihon, E. Resiga and D. Iorga, „*Parameters control of a spark ignition engine through programmable ECU for specific regime*”, Proceedings of 7th IEEE International Symposium on Applied Computational Intelligence and Informatics, SACI 2012, Timisoara, Romania, ISBN: 978-1-4673-1012-3 (pendrive); 978-1-4673-1011-6(printed), pp. 399-404, IEEEExplore, April 2012.
13. **I D. Hiticas**, D. Iorga, L. Mihon and R. Hentiu, „*Experimental research on energy performance of a spark ignition engine with gasoline injection, in conditions of changing fuel’s characteristics*”, The

10-th International Automotive Congress, CAR 2011, Automotive and Environment, ISSN 1453-1100, Editura Universitatii din Pitesti, Pitesti, Romania, Numar Special al Buletinului Stiintific, Seria Autovehicule Rutiere, Book of Abstract, pag. 198, Noiembrie 2011.

14. **I. D. Hiticás**, “*Increasing the performance of a combustion engine using engine tuning*”, National Scientific Conference With International Participation, CONFERENG 2011, 11-12 Noiembrie, Analele Universitatii Constantin Brancusi din Targu Jiu, Annals of the Constantin Brâncuși” University of Târgu Jiu. Engineering, ISSN 1842-4856, Editura Academia Brancusi, Targu Jiu, Romania, Vol. Nr. 3, pag. 441- 445, Index Copernicus, Noiembrie 2011.
15. D. Iorga, R. Hentiu, L. Mihon, **I. D. Hiticás**, D. Carabas and W. Svoboda, „*Experimental research on the effect of changing the permeability of the filter on the performance of a fuel injection engine*”, NACOT – National Conference of Thermodynamics with International Participation, Termotehnica, ISSN-L 1222-4057, ISSN (online) 2247-1871, Editura AGIR, Craiova, Romania, Nr. 1S/2011, Anul XV, Book of abstract, pag. 24, Index Copernicus, Mai 2011.
16. D. Carabas, C. Ander, N. Uricanu, M. Nagi and **I. D. Hiticás**, „*Experimental research regarding the influence of ambient temperatura on emission levels for spark ignition engines powered vehicle*”, NACOT – National Conference of Thermodynamics with International Participation, Termotehnica, ISSN-L 1222-4057, ISSN (online) 2247-1871, Editura AGIR, Craiova, Romania, Nr. 1S/2011, Anul XV, pag. 20, Index Copernicus, Mai 2011.
17. N. Uricanu, **I. D. Hiticás**, D. Iorga, R. Hentiu and L. Bakos, „*Evolution of pollutant emission of a motor vehicle – equipped with internal combustion engine – between technical periodic inspection*”, Buletinul Stiintific al Universitatii Politehnica din Timisoara, Romania, Seria Mecanica, ISSN 1224-6077, Editura Politehnica, Vol 56(70), Iss. 1, Transaction on Mechanic, pag. 21 – 24, 2011.
18. N. Uricanu, **I. D. Hiticás**, D. Iorga, R. Hentiu, L. Bakos and S. Floricel, „*Performance’s simulation of the motor vehicle – powertrain group*”, Buletinul Stiintific al Universitatii Politehnica din Timisoara, Romania, Seria Mecanica, ISSN 1224-6077, Editura Politehnica, Vol 56(70), Iss. 1, Transaction on Mechanic, pag. 73-77, 2011.
19. **I. D. Hiticás**, “*Sources of energy used in automotive*”, Workshop 1 „Cercetari doctorale in domeniul tehnic”, POSDRU/88/1.5/S/50783, Craiova, pp. 2p, Feb. 2011.
20. R. Hentiu, D. Iorga, **I.D. Hiticás** and L. Mihon, “*Engine performance increase by intake manifold resonance supercharging effect*”, National Scientific Conference with International participation, CONFERENG 2010, Targu Jiu, Romania, Annals of the Constantin Brâncuși” University of Târgu Jiu. Engineering, ISSN 1842 – 4856, Nr.3, pp. 99 -106, Index Copernicus, Nov. 2010.
21. L. Mihon, D. Iorga, W. Svoboda, **I. D. Hiticás** and Radu Hentiu, “*Improving performance of a diesel-gas engine*”, The 11th International Congress International Congress on Automotive and Transport Engineering, CONAT 2010, Brasov, Romania, ISSN 2069-0401, Vol. III, pp. 101 – 106, Octombrie 2010.
22. D. Iorga, A. Tokar, **I. D. Hiticás**, R. Hentiu and W. Svoboda, “*Experimental research concerning polluting emission from motor vehicles, trafic conditions, with and without air conditioning function*”, International Conference of Mechanical Engineering, ICOM 2010, Craiova, Romania, pag. 783-790, Aprilie 2010.
23. D. Iorga, A. Tokar, **I. D. Hiticás**, R. Hentiu and W. Svoboda, “*Issues concerning the study of present engine’s intake manifolds*”, International Conference of Mechanical Engineering, ICOM 2010, Craiova, Romania, pag. 671-674, Aprilie 2010.
24. A. Irimescu and **I. D. Hiticás**, “*Full load performance of a spark ignition engine with faulty variable timing*”, Buletinul Stiintific al Universitatii Politehnica din Timisoara, Romania, Seria Mecanica, ISSN 1224-6077, Editura Politehnica, Tomul 54(68), Fascicula 3, Transaction on Mechanic, pag. 45-48, 2009.