

Lista publicatii

1. Teza de Doctorat :

“Cercetarea miscarii de roatie a supapelor motoarelor cu ardere interna”
elaborata sub indrumarea prof.univ.dr.ing. Cofaru Corneliu in cadrul Universitatii
Transilvania din Brasov, Octombrie 2012.

2. Brevete de inventie:

- “Arc pentru rotirea supapelor mecanismelor de distributie ale motoarelor cu ardere interna”, Dr. Jelenschi Liviu, Prof. Dr. Cofaru Corneliu, Dr. Radu Ioan Serban, CBI A/00583/09.08.12
- “Camera de ardere cu prag triunghiular pentru spargerea jetului de combustibil injectat intr-un motor diesel cu injectie directa”, Dr. Radu Ioan Serban, Prof. Dr. Abaitancei Horia, Stancu Vlad, Dr. Jelenschi Liviu, CBI A/00586/10.08.12
- “Epicyclic planetary drive mounted on crankshaft for Variable Valve Timing using one distribution system”, Otelea Vlad-Mihai, Paduret Bogdan-Costel, Fratila Bogdan, Dr. Groza Doru, Dr. Jelenschi Liviu, P161555 PFF, 2016
- “Epicyclic planetary drive mounted on crankshaft for Variable Valve Timing using two distribution system”, Otelea Vlad-Mihai, Paduret Bogdan-Costel, Fratila Bogdan, Dr. Groza Doru, Dr. Jelenschi Liviu, P161554 PFF, 2016
- “Rollers and Spacers Insertion Machine for Small to Medium Bearings”, Chijer Codrut-Adrian, Fratila Bogdan, Dr. Jelenschi Liviu, David Ioan, P202030 PFF, 2020
- “Gasket Cord Insertion Machine for Large Bearings”, Fratila Bogdan, Dr. Jelenschi Liviu, David Ioan, Chijer Codrut-Adrian, P201492 PFF, 2020

3. Publicatii:

Dumitrașcu Dorin, Benea Bogdan, Șoica Adrian, Jelenschi Liviu, Sandu Gabriel, Proiectare asistată de calculator – Pro/Engineer, 2013, ISBN 978-606-19-0176-0

Aleonte, M., Cofaru, C., Cosgarea, R., Jelenschi, L.*, Atanasiu, C.G.,
"Researches on advanced air-fuel mixture formation systems for a two stroke
spark ignition engine", presented at the CAR 2011 - The International Congress
on Automotive, Pitesti, 2011

Radu, I. S., Abaitancei, H., Jelenschi, L., "Injection timing adjustment for a common rail diesel system using a 1-D simulation tool", presented at the CAR 2011 - The International Congress on Automotive, Pitesti, 2011

Sandu, G., Cofaru, C., Cosgarea, R., Jelenschi, L., Aleonte, M., "The impact of valve variable timing upon the pumping work in the internal combustion engine", presented at the CAR 2011 - The International Congress on Automotive, Pitesti, 2011

Aleonte, M., Cofaru, C., Cosgarea, R., Scutaru, M.L., Jelenschi, L., Sandu, G., "Experimental Researches of Fuelling Systems and Alcohol Blends on Combustion and Emissions in a Two Stroke Si Engine", in 12th WSEAS International Conference - Recent Researches in Neural Networks, Fuzzy Systems, Evolutionary Computing and Automation, Brasov, 2011, pp. 126-130

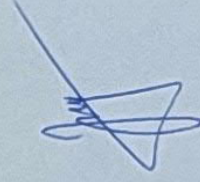
Cofaru, C., Sandu, G., Jelenschi, L., Radu, S., "Multibody analysis of the finger follower valvetrain system", in The International Congress on Automotive and Transport Engineering CONAT 2010, Brasov, 2010, pp. 85-92

Cosgarea, R., Cofaru, C., Aleonte, M., Scutaru, M.L., Jelenschi, L., Sandu, G., "An approach for modeling the valve train system to control the homogeneous combustion in a compression ignition engine", in 12th WSEAS International Conference - Recent Researches in Neural Networks, Fuzzy Systems, Evolutionary Computing and Automation, Brasov, 2011, pp. 131-135

Jelenschi, L., "The influence of valve train design parameters on valve rotation movement for a direct acting type", in International Conference Motor Vehicle & Transportation - MVT 2012, Timisoara, 2012

Jelenschi, L., Cofaru, C., Sandu, G., "Analyzing a direct acting valve train system", in 3rd WSEAS International Conference on MANUFACTURING ENGINEERING, QUALITY and PRODUCTION SYSTEMS (MEQAPS '11) - Recent Researches in Manufacturing Engineering, Brasov, 2011, pp. 112-114

Jelenschi, L., Cofaru, C., Sandu, G., "Novel method for measuring the engine valve rotation", in International Conference Motor Vehicle & Transportation - MVT 2012, Timisoara, 2012



Aleonte, M., Cosgarea, R., Jelenschi, L., Cofaru, C., "Technical solutions for improving the efficiency of a two stroke si engine", Bulletin of the Transilvania University of Brasov, vol. 4(53) No. 2, pp. 1-6, 2011

Jelenschi, L., Cofaru, C., Sandu, G., "Investigating the hydraulic tappet rotation for a direct acting valve train", Bulletin of the Transilvania University of Brasov, vol. 5(54) No. 1, pp. 13-18, 2012

Jelenschi, L., Cofaru, C., Sandu, G., "Determining the influence of oil temperature on valve rotation for a direct acting valve train", Annals of the Oradea University. Fascicle of Management and Technological Engineering, vol. XI(XXI) No. 1, pp. 1.50-1.53, 2012

Jelenschi, L., Cofaru, C., Sandu, G., "Investigating the effects of oil pressure on valve rotation for a direct acting valve train", Recent, vol. 13(35) No. 2, pp. 181-184, 2012

Jelenschi, L., Cofaru, C., Sandu, G., Aleonte, M., "State of the art of engine valve and tappet rotation", Bulletin of the Transilvania University of Brasov, vol. 4(53) No. 2, pp. 19-24, 2011

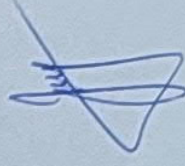
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Sandu, G., Cofaru, C., Jelenschi, L., "Design of the cam profile for a roller finger follower valve train", Bulletin of the Transilvania University of Brasov, vol. 5(54) No. 1, pp. 19-24, 2012

Sandu, G., Cofaru, C., Jelenschi, L., Radu, S., Cosgarea, R., "OHC indirect acting valvetrain simulation", The Automobile and Environment, vol. 1(1) No. 1, pp. 97-106, 2011

Sandu, G., Cofaru, C., Săcăreanu, S., Jelenschi, L., "Research of the engine's speed influence on the intake process of a naturally aspirated engine", Bulletin of the Transilvania University of Brasov, vol. 4(53) No. 1, pp. 19-24, 2011

Experimental Study of the Valve Rotation in a Valvetrain Car Engine - Jelenschi, Liviu; Öchsner, Andreas; Scutaru, M.L.; Vlase, Sorin; Marin, Marin.



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Modeling the Valvetrain of the Car Engine to study the Effects of the Valve Rotation - Liviu Jelenschi, Maria Luminita Scutaru *, Marin Marin, Cofaru. Appl. Sci. 2022, 12(7), 3393; <https://doi.org/10.3390/app1207339>

Jelenschi Liviu - Sistemul de distributie a gazelor in motoarele cu ardere interna - in curs de publicare, aprox. 80 pagini (monografie dupa teza de doctorat "Cercetarea miscarii de roatie a supapelor motoarelor cu ardere interna")

