

LISTA LUCRARILOR PUBLICATE

s.l.dr.Ing. Sorin Vlad Igrat

1. Cosmin Constantin Suciu; Sorin Vlad Igrat; Ion Vetres; Ioana Ionel- Review of the Integration of Hybrid Electric Turbochargers for Mass-Produced Road Vehicles(Energies 2024-03-20 | Journal article, DOI: [10.3390/en17061484](https://doi.org/10.3390/en17061484))

2. C C Suciu; S V Igrat; I Ionel- Research regarding water and methanol injection upon the physical parameters of emissions' concentration values on a compression ignition engine(Journal of Physics: Conference Series 2023-07-01 | Journal article
DOI: [10.1088/1742-6596/2540/1/012007](https://doi.org/10.1088/1742-6596/2540/1/012007)
Part of ISSN: [1742-6588](https://doi.org/10.1088/1742-6588),Part of ISSN: [1742-6596](https://doi.org/10.1088/1742-6596))

3. Cosmin Constantin Suciu; Daniel Ostoia; Nicolae Stelian Lontis; Ion Vetres; Sorin Vlad Igrat; Ioana IONEL- Preliminary Research Concerning the Pollution Generated by a Diesel Engine in Order to Higher Its Performance(Machine and Industrial Design in Mechanical Engineering, 2022 | Book chapter,
DOI: [10.1007/978-3-030-88465-9_68](https://doi.org/10.1007/978-3-030-88465-9_68), *Part of ISBN: [9783030884642](https://doi.org/10.1007/9783030884642),Part of ISBN: [9783030884659](https://doi.org/10.1007/9783030884659),Part of ISSN: [2211-0984](https://doi.org/10.1007/978-3-030-88465-9),Part of ISSN: [2211-0992](https://doi.org/10.1007/978-3-030-88465-9))*

4. C C Suci; I Ionel; D Ostoia; S V Igreț- Research regarding the effects of a diesel engine's control unit retrofitting, focussing on its performance and pollution(IOP Conference Series: Materials Science and Engineering 2022-03-01 | Journal article, DOI: [10.1088/1757-899x/1235/1/012039](https://doi.org/10.1088/1757-899x/1235/1/012039), Part of ISSN: [1757-8981](https://doi.org/10.1088/1757-8981), Part of ISSN: [1757-899X](https://doi.org/10.1088/1757-899x))

5. Cosmin Constantin Suci; Ioana Ionel; Daniel Ostoia; Nicolae Stelian Lontis; Ion Vetres; Sorin Vlad Igreț- Is it possible to turn a diesel engine into a less pollutant device?(IOP Conference Series: Earth and Environmental Science 2022-01-01 | Journal article, DOI: [10.1088/1755-1315/960/1/012010](https://doi.org/10.1088/1755-1315/960/1/012010), Part of ISSN: [1755-1307](https://doi.org/10.1088/1755-1307), Part of ISSN: [1755-1315](https://doi.org/10.1088/1755-1315))

6. Cosmin Constantin Suci; Sorin Vlad Igreț; Ioana Ionel- Study of the influence on gas emissions by using hydrogen in a diesel engine(IOP Conference Series: Materials Science and Engineering 2022-01-01 | Journal article, DOI: [10.1088/1757-899x/1220/1/012012](https://doi.org/10.1088/1757-899x/1220/1/012012) Part of ISSN: [1757-8981](https://doi.org/10.1088/1757-8981) Part of ISSN: [1757-899X](https://doi.org/10.1088/1757-899x))

7. Sorin Vlad Igreț, Radu Iulian Negrila-Comparison study between a tubular type camshaft and a classic type using finite element method(S.M.A.T. Craiova, October 2019)

8. Radu Iulian Negrila, Sorin Vlad Igreț-Basic subsystems reliability influence study on the main characteristics of automotives(S.M.A.T. Craiova, October 2019)

9. Sorin Igret, Bocii Liviu, Negrila Radu - Study of the materials used in the manufacturing of a tubular camshaft (Metalurgia International 2011)

10. Sorin Igret, Gheorghe Aurel Gherman, Ioan Halaciuga - Incercari de rezistenta in functionare a arborelui cu came tubular (SMAT 2008)

11. Ioan Halaciuga, Sorin Igret - Transport safety problems (noiembrie 2007 UPT)

12. Gheorghe Aurel Gherman, Ioan Halaciuga, Sorin Igret – Thermal and resistance influences in car parts reconditioned by hot loading (mai 2003 Bucuresti)

13. Ioan Halaciuga, **Sorin Igret** – Cercetari experimentale privind incarcarea prin metoda duplex (noiembrie 2004 Arad)

14. Ioan Halaciuga, Gheorghe Aurel Gherman, **Sorin Igret** – Sisteme de reducere a poluarii si a consumului de carburanti la motoarele cu ardere interna (noiembrie 2004 Arad)

15. Ioan Halaciuga, Gheorghe Aurel Gherman, **Sorin Igret** – Romanian road transportation, present and outlook (AMMA 2007)

16. Ioan Halaciuga, **Sorin Igret** – Piracy in transportation (SMAT 2008)

17. Ioan Halaciuga, **Sorin Igret** – Die verbesserung der eigenshaften automobilbauteile durch das schweibverfahren (mai 2004 Oradea)

18. Ioan Halaciuga, **Sorin Igret** – The counteracting of the terrorist actions in the field of transportation (SMAT 2008)

19. Ioan Halaciuga, **Sorin Igret** – Combating criminal phenomenon in transports (noiembrie 2007 Sibiu)

20. Gheorghe Aurel Gherman, Ioan Halaciuga, **Sorin Igret** - State of deformation and tension of a distribution shaft from an internal combustion engine using the finite element methods (AMMA 2007)