

LISTA CU LUCRĂRI

Dr. Ing. CHIOREANU Cătălin Marius

A. Lucrările cele mai relevante pentru realizarea profesională proprie

1. **Catalin CHIOREANU**. *Organe de mașini, volumul I*. Editura Universității din Oradea, 2023, ISBN: 978-606-10-2257-1.
2. **Catalin CHIOREANU**. *Tezei de doctorat - Cercetări și contribuții privind concepția și implementarea unui sistem inovativ pentru acționarea hidrostatică la mașini unelte și utilaje tehnologice*. Universitatea din Oradea, Ordin MEC, nr. 3131/14.02.2022.
3. **Catalin CHIOREANU**, Tudor MITRAN, Sorin PATER and Marius PELE - *The Pneumatic Propulsion System of a Road Vehicle*, Romanian Journal of Automotive Engineering, March 2020, Volume 26, No. 1, pp 5-14, http://siar.ro/wp-content/uploads/2020/03/RoJAE-26_1.pdf.
4. **Catalin CHIOREANU**, Nicolae CHIOREANU - *Wind turbine with hydrostatic energy storage*, ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering ISSN 1583 - 0691, CNCSIS, December 2017, Volume XXVI (XVI), 2017/3, <https://imt.uoradea.ro/auo.fmte/files-2017-v3/Catalin%20CHIOREANU,%20%20Nicolae%20CHIOREANU-WIND%20TURBINE%20WITH%20HYDROSTATIC%20ENERGY%20STORAGE.pdf>.
5. **Catalin CHIOREANU** - *Monoregime Power Unit*, Nonconventional Technologies Review, **Print:** ISSN 2359 – 8646; ISSN-L 2359 – 8646; **On-line:** ISSN 2359 – 8654; ISSN-L 2359 – 8646. **Volume XXI**, December, 2017, pag. 39-43, <http://revtn.ro/index.php/revtn/article/view/209/175>.
6. **Catalin CHIOREANU** - *Applications of robot vision in the automotive industries*, Nonconventional Technologies Review, **Print:** ISSN 2359 – 8646; ISSN-L 2359 – 8646; **On-line:** ISSN 2359 – 8654; ISSN-L 2359 – 8646. **Volume XIX**, December, 2015, pag. 50-54, <http://revtn.ro/index.php/revtn/article/view/176/68>

B. Teza de doctorat

1. **Catalin CHIOREANU**. *Tezei de doctorat - Cercetări și contribuții privind concepția și implementarea unui sistem inovativ pentru acționarea hidrostatică la mașini unelte și utilaje tehnologice*. Universitatea din Oradea, Ordin MEC, nr. 3131/14.02.2022.

C. Brevete de invenție și alte tipuri de proprietate industrială

D. Cărți și capitole în cărți

1. **Catalin CHIOREANU**. *Organe de mașini, volumul I*. Editura Universității din Oradea, 2023, ISBN: 978-606-10-2257-1.
2. **Catalin CHIOREANU**. *Laboratoare. Proiectare 3D CAD CATIA*. Editura Universității din Oradea, 2023, ISBN: 978-606-10-2258-8.

E. Articole/studii în extenso, publicate în reviste din fluxul științific internațional principal

1. **Catalin CHIOREANU**, Tudor MITRAN, Sorin PATER and Marius PELE - *The Pneumatic Propulsion System of a Road Vehicle*, Romanian Journal of Automotive Engineering, March 2020, Volume 26, No. 1, pp 5-14, http://siar.ro/wp-content/uploads/2020/03/RoJAE-26_1.pdf
2. Tudor Mitran, **Catalin Chioreanu**, George Dragomir, and David Fagadar - *A Pneumatic Propulsion System for Urban Cars*, AMMA 2018 International Congress of Automotive and Transport Engineering, pp 659-666, Cluj-Napoca, https://link.springer.com/chapter/10.1007/978-3-319-94409-8_77
3. Tudor Mitran, Nicolae Chioreanu, **Catalin Chioreanu**, Alexandru Rus, Horia Beles - *A Propulsion System for Means of Transport with Non-autonomous Electrical Traction*, CONAT 2016 International Congress of Automotive and Transport Engineering, pp 491-496, Brasov, http://link.springer.com/chapter/10.1007/978-3-319-45447-4_54

F. Publicații în extenso apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. **Catalin CHIOREANU**, Nicolae CHIOREANU - *Wind turbine with hydrostatic energy storage*, ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering ISSN 1583 - 0691, CNCSIS, December 2017, Volume XXVI (XVI), 2017/3, <https://imt.uoradea.ro/auo.fmte/files-2017-v3/Catalin%20CHIOREANU,%20%20Nicolae%20CHIOREANU-WIND%20TURBINE%20WITH%20HYDROSTATIC%20ENERGY%20STORAGE.pdf>
2. **Catalin CHIOREANU** - *Monoregime Power Unit*, Nonconventional Technologies Review, **Print:** ISSN 2359 – 8646; ISSN-L 2359 – 8646; **On-line:** ISSN 2359 – 8654; ISSN-L 2359 – 8646. **Volume XXI**, December, 2017, pag. 39-43, <http://revtn.ro/index.php/revtn/article/view/209/175>.
3. **Catalin CHIOREANU** - *Applications of robot vision in the automotive industries*, Nonconventional Technologies Review, **Print:** ISSN 2359 – 8646; ISSN-L 2359 – 8646; **On-line:** ISSN 2359 – 8654; ISSN-L 2359 – 8646. **Volume XIX**, December, 2015, pag. 50-54, <http://revtn.ro/index.php/revtn/article/view/176/68>

4. Nicodim MURESAN, **Catalin CHIOREANU**, Sorin MOCA - *A method for processing chamber profile epitrochoidal for wankel engine, using the elliptic tool by a machine computer*, ANNALS OF THE UNIVERSITY OF ORADEA.Fascicle of Management and Technological Engineering ISSN 1583 - 0691, CNCSIS, Volume XXIV, 2015/3, <https://imt.uoradea.ro/auo.fmte/files-2015-v3/Nicodim%20MURESAN,%20Catalin%20CHIOREANU,%20Sorin%20MOCA%20-%20A%20METHOD%20FOR%20PROCESSING%20CHAMBER%20PROFILE%20EPITROCHOIDAL%20FOR%20WANKEL%20ENGINE,%20USING%20THE%20ELLIPTIC%20TOOL%20BY%20A%20MACHINE%20COMPUTER.pdf>
5. George DRAGOMIR, Rares PANCU, Tudor Adrian MITRAN, Liviu GEORGESCU, Sorin MOCA, **Catalin CHIOREANU** - *Study regarding the car brake disc temperature variation during the lengthy braking*, ANNALS OF THE UNIVERSITY OF ORADEA.Fascicle of Management and Technological Engineering ISSN 1583 - 0691, CNCSIS, Volume XXIV, 2015/3, <https://imt.uoradea.ro/auo.fmte/files-2015-v3/George%20DRAGOMIR,%20Rares%20PANCU,%20Tudor%20Adrian%20MITRAN,%20Liviu%20GEORGESCU,%20Sorin%20MOCA,%20Catalin%20CHIOREANU%20-%20STUDY%20REGARDING%20THE%20CAR%20BRAKE%20DISC%20TEMPERATURE%20VARIATION%20DURING%20THE%20LENGTHY%20BRAKING.pdf>
6. Georgeta CHINDLEA, Sorin PATER, **Catalin CHIOREANU**, Sorin MOCA - *Front seals-selection criteria*, ANNALS OF THE UNIVERSITY OF ORADEA.Fascicle of Management and Technological Engineering ISSN 1583 - 0691, CNCSIS, Volume XXIV, 2015/3, <https://imt.uoradea.ro/auo.fmte/files-2015-v3/Georgeta%20CHINDLEA,%20Sorin%20PATER,%20Catalin%20CHIOREANU,%20Sorin%20MOCA%20-%20FRONT%20SEALS-SELECTION%20CRITERIA.pdf>

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