



UNIVERSITATEA TEHNICĂ DIN CLUJ-NAPOCA
CENTRUL UNIVERSITAR NORD DIN BAI A MARE
FACULTATEA DE INGINERIE

Departamentul: Inginerie și Managementul Tehnologiei

LISTĂ LUCRĂRI PUBLICATE

Șef lucr. dr. ing. ALEXANDRESCU Ioan Marius

A. Listă lucrări relevante pentru realizările profesionale proprii

1. ALEXANDRESCU, I.M., COTEȚIU, R.I., HARAGĂȘ, S. (2019), Research on the load bearing force in narrow sliding radial bearings ($L < 0,7 D$) operating in shock conditions. Acta Technica Napocensis, Technical University of Cluj-Napoca, Series Applied Mathematics, Mechanics, and Engineering Vol. 62, Issue II, June, 2019 ISSN 1221-5872, pp.299-308, WOS:000483186000011, <https://documentcloud.adobe.com/link/track?uri=urn%3Aaaid%3Ascds%3AUS%3A6a7a82f0-c93b-4e03-b74a-2a2231526495>
2. ALEXANDRESCU, I.M., COTEȚIU, R., DARABĂ, D., COTEȚIU, A. (2018), Theoretical and Experimental Aspects Regarding the Dynamic Circumferential Pressure Distribution to the Sliding Radial Working Bearings under Hard Shocks, Scientific Bulletin, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, Vol.XXXII, U.T.Press, Cluj Napoca, ISSN 1224-3264, pp.34-40, Indexată ProQuest, CSA, EBSCO, http://www.nordtech.ubm.ro/issues/2018/BSSC_v2018_issXXXII_34to39.pdf
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4. ALEXANDRESCU, M., COTETIU, A., DARABA, D. (2017), Experimental results regarding the lubricant film thickness to the radial HD working bearing under hard shocks. Scientific Bulletin Series C : Fascicle Mechanics, Tribology, Machine Manufacturing Technology; Baia Mare Vol. 31, pp.7-12, Indexată ProQuest, CSA, EBSCO, http://www.nordtech.ubm.ro/issues/2017/BSSC_v2017_issXXXI_7to12.pdf, http://www.nordtech.ubm.ro/issues/2017/BSSC_v2017_issXXXI_7to12.pdf




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6. ALEXANDRESCU, M., COTEȚIU, R., COTEȚIU, A., UNGUREANU, N., DARABĂ, D. (2013), Experimental Results Regarding Lubricant Film Thickness to the Narrow Sliding Radial Bearing Working under Hard Shocks, Scientific Bulletin, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, vol.XXVII, seria C, p. 2-5, ISSN 1224-3264. Indexată ProQuest, CSA, EBSCO, http://www.nordtech.ubm.ro/issues/2013/BSSC_v2013_issXXVII_2to5.pdf
7. ALEXANDRESCU, M., COTEȚIU, R., COTEȚIU, A., DARABĂ, D. (2012), Experimental Results Regarding Lubricant Film Thickness to the Radial Bearing with HD Lubrication, Buletin Științific, seria C, Volumul XXVI, Fascicola: Mecanică, Tribologie, Tehnologia Construcțiilor de Mașini, ISSN 1224-3264, pp.2-6, Indexată ProQuest, CSA, EBSCO http://www.nordtech.ubm.ro/issues/2012/BSSC_v2012_issXXVI_2to6.pdf
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B. Teza de doctorat

„Studiul comportarii lagărelor radiale cu ungere hidrodinamică în condițiile funcționării cu șocuri și vibrații”. Conducător științific: Prof.univ.Dr.ing. Eugen PAY, Universitatea Tehnica din Cluj-Napoca. Suținerea publică: Cluj Napoca, 13.05.2005





D. Cărți/ manuale/ monografii/ capitole de specialitate ca autor

1. ALEXANDRESCU, I.M., (2008) Aspecte tribologice privind lagarele cu alunecare. Editura Risoprint, Cluj-Napoca, 2008, 210 pag., ISBN 978-973-751-754-8;
2. ALEXANDRESCU, I.M., (2016) Elemente de inginerie mecanică. Editura UTPRESS, Cluj-Napoca, 2016, 250 pag., ISBN 978-606-737-157-4;
3. COTETIU, R.I., ALEXANDRESCU, I.M. (2020), ORGANE DE MAȘINI. Vol. II. Ediție revizuită și completată. Editura UTPRESS, Cluj-Napoca, 2020, 364 pag., ISBN 978-606-737-427-8;
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Suporturi de curs/ Îndrumare

1. ALEXANDRESCU, I.M. (2003), Curs ELEMENTE DE INGINERIE MECANICĂ in format electronic program DIDATEC, Universitatea Tehnică din Cluj-Napoca <http://kb.cunbm.utcluj.ro/course/view.php?id=1117>;
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5. COTETIU, A.G., ALEXANDRESCU, I.M., MEDAN, N. (2020), Mecanica fluidelor și Mașini hidraulice. Îndrumător pentru lucrări de laborator. Editura UTPRESS, Cluj-Napoca, 2020, 141 pag., ISBN 978-606-737-429-2.

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

- 1 ALEXANDRESCU, I.M., COTETIU, R.I., HARAGĂȘ, S. (2019), Research on the load bearing force in narrow sliding radial bearings ($L < 0,7 D$) operating in shock conditions. Acta Technica Napocensis, Technical University of Cluj-Napoca, Series Applied Mathematics, Mechanics, and Engineering Vol. 62, Issue II, June, 2019 ISSN 1221-5872, pp.299-308, WOS:000483186000011, <https://documentcloud.adobe.com/link/track?uri=urn%3Aaaid%3Aascds%3AUS%3A6a7a82f0-c93b-4e03-b74a-2a2231526495>



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12. ALEXANDRESCU, M., COTEȚIU, R., COTEȚIU, A. (2016), The Dynamic Circumferential Pressure Distribution To The Sliding Radial Bearing Working Under Hard Shocks. Proceedings of the IX th International Conference on Product Design, Robotics, Advanced Mechanical & Mechatronic Systems and Innovation-PRASIC, November 10-11, 2016 Vol. 9 (58), Series I, No. 2/2016, pp.7-12, ISSN 2065-2119, Indexată ProQuest, CSA, EBSCO, http://webbut.unitbv.ro/Bulletin/Series%20I/BUT_PRASIC/Alexandrescu%20I.pdf
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17. UNGUREANU, N., UNGUREANU, M., ALEXANDRESCU, I.M. (2011), Implementation of TPM Principles I (First Steps). Universitatea de Nord din Baia Mare, Facultatea de Inginerie, Buletin Științific, seria C, Volumul XXV, Fascicola: Mecanică, Tribologie, Tehnologia Construcțiilor de Mașini, Editura





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21. COTEȚIU, R., COTEȚIU, A., UNGUREANU, N., ALEXANDRESCU, M. (2009), Comparative analysis of theoretical and experimental values of rolling worm gears efficiency, Scientific Bulletin, Serie C, Volume XXIII, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN1224-3264, pp.41-44, Indexată ProQuest, CSA, EBSCO, <http://www.nordtech.ubm.ro/issues/2009/2009.01.06.pdf>

22. DARABĂ, D., COSMA, M., ALEXANDRESCU, I.M. (2009), Setting Up the Maximum Speed at which the Structural Elements of the FUS 25 Milling Machine Resist After Remanufacturing, Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Theory, Practice and Education, ISI Scientific Proceedings Thomson Reuters, Vienna, Austria, ISBN 978-3-901509-68-1, ISSN 1726-9679, pp.1063-1064, WOS:000282335600532

23. DARABĂ, D., DOGARIU, C., ALEXANDRESCU, I.M. (2009), Static stress performance analysis using the finite elements method of the FUS 25 milling machine before remanufacturing. Proceedings of the International Conference on Manufacturing Systems-ICMaS, Vol. 4, 2009, 5-6 November 2009, Editura Academiei Române Bucharest, Romania, ISSN 1842-3183, pp.55-58.

24. ALEXANDRESCU M., COTEȚIU, A., TIRON, M. (2008), Some Aspects Regarding Instantaneous Squeeze Force to the Narrow Radial Bearing Working under Hard Shocks, Scientific Bulletin, Serie C, Volume XXII, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, The International Conference of the Carpathian Euro-Region Specialists in Industrial Systems, 7th edition, North University of Baia Mare, Editura NORDTECH, Baia-Mare, 21-23 May, 2008, pp.9 - 14, (ISSN 1224 - 3264; recunoscută B+ CNCIS, revistă indexată BDI, poziția 610).
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26. COTETIU, A., COTETIU, R., ALEXANDRESCU M. (2008), Fluid Elements and their Technical Application for the Automatic Adjustment of the Advance Force at the Pneumatic Rotating Hammer Drills, Scientific Bulletin, Serie C, Volume XXII, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, The International Conference of the Carpathian Euro-Region Specialists in Industrial Systems, 7th edition, North University of Baia Mare, Editura NORDTECH, Baia-Mare, 21-23 May, 2008, pp.115 - 120, (ISSN 1224 - 3264; recunoscută B+ CNC SIS, revistă indexată BDI, poziția 610). <http://www.nordtech.ubm.ro/issues/2008/2008.01.17.pdf>
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