

LISTA LUCRARILOR PUBLICATE

1.Monografii, cărți, capitole de carte, îndrumaer de laborator

Capitol de carte

1. **Haba, S. A.**, Oancea, Gh., “*Design and Manufacturing Optimization of Single-Cylinder Engine Block Prototype Using CATIA Environment*“, Applied Mechanics and Materials, Trans Tech. Publication, Vol. 474 (2014), pp.165-170, doi:10.4028/www.scientific.net/AMM.474.165 (ISSN 1662-7482, FI 0).

Indrumar de laborator

2. Oancea Gh., **Haba, S. A.**, (2021), “*Dezvoltarea Computerizată a Aplicațiilor în Inginerie*“, (contribuție 60%), Editura Universității Transilvania din Brașov, Brasov, 2021, ISBN 978-606-19-1382-4.

2.Lucrări științifice de tip “article” publicate în jurnale indexate ISI cu factor de impact

3. **Haba, S. A.**, Oancea Gh., (2015), “*Digital manufacturing of air-cooled single-cylinder engine block*“, The International Journal of Advanced Manufacturing Technology, Vol. 78, Numbers 1-4, DOI 10.1007/s00170-015-7038-x, Springer-Verlag London (Q2);
4. **Haba, S. A.**, Oancea Gh., (2015), “*Studies on thermal contraction of crankshaft bearings under extreme low temperatures*“, Journal of Thermal Science, October 2015, Vol. 24, Iss. 5, pp. 496-501, DOI 10.1007/s11630-015-0813-z, Springer International Publishing AG; doi.org/10.17559/TV-2016040413575.
5. **Haba, S. A.**, Oancea Gh., (2020), “*Study on Thermal Expansion of a V10 Engine Block Used in Shrink-Fit Assembling*“, Tehnički vjesnik 27, 4(2020), 1031-1036, ISSN 1330-3651 (Print), ISSN 1848-6339 (Online).

3.Lucrări științifice de tip “conference proceedings” indexate ISI

6. **Haba S. A.**, Oancea Gh., (2014), “*Smart Engineering Design of a V10 Engine Using Digital Prototyping Technologies*“, International Conference on Innovative Manufacturing Engineering Conference – ImanE 2014, Chisinau, Republica Moldova, Applied Mechanics and Materials Vol. 657

(2014) pp. 730-734, doi:10.4028/www.scientific.net/AMM.657.730, Trans Tech Publications, Switzerland;

7. **Haba, S. A.**, Oancea Gh., (2013), “*Thermal Expansion Analysis of the Complex Body Assemblies*”, Applied Mechanics and Materials Vol. 309 (2013) p. 162-169, doi:10.4028/www.scientific.net/AMM.309.162, Trans Tech Publications, Switzerland;
8. **Haba, S. A.**, Oancea, Gh., (2010), “*Automatic Obtaining of Engine Block in AutoCAD Environment*”, Latest Trends on Engineering Mechanics, Structures, Engineering Geology, 3rd WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology EMESEG 2010, Corfu Island, Greece, July 22-24, 2010, pp. 157-161 (ISBN 978-960-474-203-5), <http://www.wseas.us/EMEGEO-24>;
9. **Haba, S. A.**, Oancea Gh., (2011), “*Virtual Manufacturing of Cylinder Casing*”, International Conference on Manufacturing Science and Education – MSE 2011, Vol.I, p.109-112, ISSN 1843-2522, Sibiu, România;
10. **Haba, S. A.**, Oancea Gh., (2011), “*Data Exchange Software Module Between AutoCAD and CATIA Environments*”, International Conference on Manufacturing Science and Education – MSE 2011, ISSN 1843-2522, Vol.I, p.113-116, Sibiu, România;

**4.Articole in extenso in baze de date internationale internationale
neindexate**

11. Manolescu, A., Oancea, Gh., **Haba, S. A.**, (2011), “*Centre-Drilling Optimization of Rotational Parts Using Reverse Engineering Techniques*”, RECENT RESEARCHES in COMPUTATIONAL INTELLIGENCE and INFORMATION SECURITY. 10th WSEAS International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics CIMMACS 2011, Island of Java, Indonesia, pp. 46-49 (ISBN: 978-1-61804-049-7). <http://www.wseas.us/CIMISP-06>;
12. **Haba, S. A.**, Oancea Gh., (2012), “*Virtual assembling of an engine block using CATIA environment*”, International Conference on Computing and Solutions in Manufacturing Engineering – CoSME 2012, Academic Journal of Manufacturing Engineering, Vol.10, Issue 3/2012, p.74-79, Braşov, România;

5. Brevete de invenție

13. BARA Z., Haba, S. A., (2019) „Rotation damper with constant friction coefficient”, DE102017104250B3, US10378608B2, CN108374860B; cesionar Lisa Draexlmaier GmbH, (contributie 50%).

5. Propuneri de brevete de invenție (în curs de evaluare)

14. Haba, S. A., (2017), “Device for extending and retracting at least one sun visor in a motor vehicle “, DE102017119878A1, cesionar Lisa Draexlmaier GmbH, (în curs de brevetare);
15. Haba, S. A., (2018), “Control element for a vehicle interior”, DE102018103350A1, cesionar Lisa Draexlmaier GmbH, (în curs de brevetare);
16. UDREA, C. S., Haba, S. A., (2021), “Shade arrangements for a window of a vehicle”, GB2586579A, cesionar Lisa Draexlmaier GmbH, (contributie 50%), (în curs de brevetare);
17. Haba, S. A., (2018), “Control device and method for controlling at least one actuation unit in a motor vehicle”, DE102018100887A1, cesionar Lisa Draexlmaier GmbH, (în curs de brevetare).

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