

LISTA DE LUCRĂRI

LUCRĂRI RELEVANTE

1. **Beleş Horia**, Vesselenyi Tiberiu, Rus Alexandru, Mitran Tudor, Scurt Florin Bogdan, Tolea Bogdan Adrian. *Driver Drowsiness Multi-Method Detection for Vehicles with Autonomous Driving Functions*. MDPI, Sensors 2024, 24(5), 1541, Special Issue "Intelligent Sensors for Smart and Autonomous Vehicles", DOI: <https://doi.org/10.3390/s24051541>, Published: 24 FEB 2024, eISSN: 1424-8220, Journal Impact Factor (2022): **3.9**. Q2 – zona galbenă. Web of Science: <https://1710qj8pf-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001182981900001>.
2. **Beleş Horia**, Scurt Florin Bogdan, Tolea Bogdan Adrian, Mitran Tudor, Țeț Vlad Imre. *Particularities regarding the design and conception of a bodywork superstructure intended for the transportation of perishable goods*. IOP Conference Series: Materials Science and Engineering, Volume 1303, Economicity, Safety and Reliability for Motor Vehicles Congress (and SIAR International Automotive and Transport Engineering Congress) 02/11/2023 - 04/11/2023 Bucharest, Romania. DOI 10.1088/1757-899X/1303/1/012055. Crossref: <https://iopscience.iop.org/article/10.1088/1757-899X/1303/1/012055>.
3. Scurt Florin Bogdan, **Beleş Horia**, Vesselenyi Tiberiu, Csokmai Lehel. *Driver alertness monitoring system in the context of safety increasing and sustainable energy use*. Cognitive Sustainability, Mar 2023, Volume 2, Nr. 1, ISSN 2939-5240, Budapest, Hungary. Published: 2023-03-31. DOI: <https://doi.org/10.55343/CogSust.49>. Crossref: <https://cogsust.com/index.php/real/article/view/49>.
4. **Beleş Horia**, Tușinean Adrian, Mitran Tudor, Scurt Florin Bogdan. *Research regarding the development of the combustion chamber of internal combustion engines with opposite pistons*. MDPI, Machines Journal, Special Issue "Internal Combustion Engine and Vehicles: Present Situation and Prospects", Volume 11, Issue 2, Article Number: 309, DOI: 10.3390/machines11020309, Published: FEB 2023, eISSN: 2075-1702, Journal Impact Factor (2021): **2.899**. Q3 – zona gri. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000940662800001>.
5. Tolea Bogdan Adrian, Radu Alexandru Ionuț, **Beleş Horia**, Dragomir George, Moca Sorin. *Study of a car-to-pedestrian collision in case of vehicle's post-impact braking*. SIAR International Congress of Automotive and Transport Engineering: Science and Management of Automotive and Transportation Engineering SMAT 2019: The 30th SIAR International Congress of Automotive and Transport Engineering, pages 375-382. DOI: https://doi.org/10.1007/978-3-030-32564-0_44. Print ISBN: 978-3-030-32563-3. Online ISBN: 978-3-030-32564-0. Publisher: Springer, Cham. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000528526600044>.
6. **Beleş Horia**, Tolea Bogdan Adrian, Crișan George Florin, Dogar Claudiu Alexandru, Ciota-chiev Vlad Vasile. *The assessment of pedestrian's head injury risk at the contact with the vehicle's hood*. Annual Session of Scientific Papers "IMT ORADEA 2019" 30–31 May 2019, Oradea, Felix SPA, Romania. IOP Conf. Series: Materials Science and Engineering 568 (2019) 012095, Pages: 396-400, IOP Publishing, DOI:10.1088/1757-899X/568/1/012095. Scopus: https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85073454280&origin=resultslist&sort=plf-f&src=s&st1=Beles+H*&sid=a61d21aa86a0e3fce277f6cec44ef9d0&sot=b&sdt=b&sl=21&s=AUTHOR-NAME%28Beles+H*%29&relpos=1&citeCnt=2&searchTerm=.
7. Tușinean Adrian, Hofbauer Peter, **Beleş Horia**, Radu Sebastian. *Considerations on the gas exchange process in internal combustion engines with opposite pistons*. Ingineria Automobilului, Issue: 50, Pages: 15-18, Published: MAR 2019. Publisher: Soc Automotive Engineers Romania, Bucuresti, Romania, ISSN: 1842-4074. Journal Impact Factor < 0.1. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000486368200007>.
8. Tolea Bogdan, Radu Alexandru Ionuț, **Beleş Horia**, Antonya Csaba. *Influence of the geometric parameters of the vehicle frontal profile on the pedestrian's head accelerations in case of accidents*. International Journal of Automotive Technology, Volume: 19, Issue: 1, Pages: 85-98, DOI: 10.1007/s12239-018-0009-0, Published: FEB 2018. Publisher: Korean Soc Automotive Engineers-KSAE, South Korea, ISSN: 1229-9138, eISSN: 1976-3832. Journal Impact Factor (2022): 1.6. Q4 – zona albă. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000412188100009>.
9. **Beleş Horia**, Rus Alexandru, Dragomir George, Mitran Tudor, Trușcă Daniel, Tolea Bogdan. *Researches regarding the continuous improvement of the abs (anti-lock braking system) operation for the passenger cars*. Annals of DAAAM and Proceedings of the International DAAAM Symposium, Volume 2015-January, 2015, Pages: 196-205. 26th DAAAM International Symposium on Intelligent Manufacturing and Automation, DAAAM 2015, University of Zadar, Croatia, 21 October 2015 through 24 October 2015, Code 123540. Publisher: Danube Adria Association for Automation and Manufacturing, DAAAM, ISSN: 17269679, ISBN: 978-390273407-5. DOI: 10.2507/26th.daaam.proceedings.027. Scopus: https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84987653182&origin=resultslist&sort=plf-f&src=s&st1=Beles+H*&sid=a61d21aa86a0e3fce277f6cec44ef9d0&sot=b&sdt=b&sl=21&s=AUTHOR-NAME%28Beles+H*%29&relpos=6&citeCnt=3&searchTerm=

10. Chioreanu Nicolae, Mitran Tudor, Rus Alexandru, **Beleş Horia**. *Numerical simulation of thermal-hydraulic generators running in a single regime*. Central European Journal of Engineering, Volume 4, Issue 2, June 2014, Pages: 119-124. DOI: 10.2478/s13531-013-0145-2. Published: Jun 2014. Publisher: De Gruyter Poland. ISSN: 2391-5439. Journal Impact Factor (2022): 1.7. Web of Science: <https://1710qjm8n-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000218399600004>.

TEZA DE ABILITARE

Titlul tezei de abilitare: *Cercetări privind performanțele autovehiculelor, în raport cu cerințele specifice siguranței active și reducerii consumului de combustibil, respectiv emisiilor poluante*. Universitatea Transilvania din Brașov, Atestat de abilitare în domeniul de studii universitare de doctorat Ingineria Autovehiculelor, confirmat prin Ordinul Ministrului Educației, nr. 7584, din 05.12.2024.

TEZA DE DOCTORAT

Titlul tezei de doctorat: *Studiul îmbunătățirii securității active a autoturismelor în vederea reducerii accidentelor rutiere cu consecințe grave*. Universitatea Transilvania din Brașov, titlul științific de Doctor în domeniul Inginerie Mecanică, confirmat prin Ordinul Ministrului Educației, Cercetării și Tineretului, nr. 3439 din 12.03.2008.

BREVETE

CĂRȚI / CAPITOLE DE CĂRȚI

1. **Beleş Horia**, Țurea Nicolae, Scurt Florin Bogdan, Tușinean Adrian Nicolaie. *Tehnici și echipamente de diagnosticare a autovehiculelor*. Ediția I. Editura Universității din Oradea, 2024, 291 pg., format electronic pe CD, ISBN 978-606-10-2312-7.
2. **Beleş Horia**, Țurea Nicolae. *Autorizarea, organizarea și funcționarea unităților service auto și a stațiilor de inspecție tehnică periodică pentru autovehicule*. Ediția I. Editura Universității din Oradea, 2024, 160 pg., format electronic pe CD, ISBN 978-606-10-2313-4.
3. **Beleş Horia**, Țurea Nicolae, Scurt Florin Bogdan, Tușinean Adrian Nicolaie. *Tehnici și echipamente de diagnosticare a autovehiculelor. Îndrumar de laborator*. Ediția I. Editura Universității din Oradea, 2024, 130 pg., format electronic pe CD, ISBN 978-606-10-2314-1.
4. **Beleş Horia**. *Studiul îmbunătățirii securității active a autoturismelor în vederea reducerii accidentelor rutiere cu consecințe grave*. Editura Universității Transilvania din Brașov, 2020, 320 pg., format electronic pe CD, ISBN 978-606-19-1242-1.
5. **Beleş Horia**, Bâlc Gavril, Gașpar Ferencz. *Tehnologii de Fabricare, Reparare și Asamblare a Autovehiculelor, Îndrumar de laborator, Ediția I*. Editura Universității din Oradea, 2020, 206 pg., ISBN 978-606-10-2084-3.
6. **Beleş Horia**, Enache Valeriu. *Echipament electric și electronic pentru autovehicule*. Editura Universității din Oradea, 2013, 150 pg., ISBN 978-606-10-0982-4.
7. **Beleş Horia**, Șoica Adrian. *Siguranța activă și pasivă a autovehiculelor*. Editura Universității din Oradea, 2011, 228 pg., ISBN 978-606-10-0651-9.
8. Fodor Dinu Mircea, **Beleş Horia**, Ispas Nicolae, Șoica Adrian. *Expertiza și dinamica accidentelor rutiere*. Editura Universității din Oradea, 2011, 146 pg., ISBN 978-606-10-0652-6.
9. Blaga Vasile, **Beleş Horia**, Dragomir George, Vlad Ioan, Vlad Mariana, Timar Adrian. *The Theoretical Contribution Modelling Gasoline Injection at Engines with Spark Lighting*, Chapter 05 in DAAAM International Scientific Book 2009, B. Katalinic (Ed.), ISBN 3-901509-69-0, ISSN 1726-9687, Vienna, Austria DOI: 10.2507/daaam.scibook.2008.05, Book ISI, pp 043-058. CrossRef: https://www.daaam.info/Downloads/Pdfs/science_books_pdfs/2008/Sc_Book_2008-005.pdf, https://search.crossref.org/?from_ui=&q=The+Theoretical+Contribution+Modelling+Gasoline+Injection+at+Engines+with+Spark+Lighting.

ARTICOLE ÎN REVISTE

1. **Beleş Horia**, Vesselenyi Tiberiu, Rus Alexandru, Mitran Tudor, Scurt Florin Bogdan, Tolea Bogdan Adrian. *Driver Drowsiness Multi-Method Detection for Vehicles with Autonomous Driving Functions*. MDPI, Sensors 2024, 24(5), 1541, Special Issue "Intelligent Sensors for Smart and Autonomous Vehicles", DOI: <https://doi.org/10.3390/s24051541>, Published: 24 FEB 2024, eISSN: 1424-8220, Journal Impact Factor (2022): **3.9**. Q2 – zona galbenă. Web of Science: <https://1710qj8pf-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001182981900001>.
2. **Beleş Horia**, Tușinean Adrian, Mitran Tudor, Scurt Florin Bogdan. *Research regarding the development of the combustion chamber of internal combustion engines with opposite pistons*. MDPI, Machines Journal, Special Issue "Internal Combustion Engine and Vehicles: Present Situation and Prospects", Volume 11, Issue 2, Article Number: 309, DOI: 10.3390/machines11020309, Published: FEB 2023, eISSN: 2075-1702, Journal Impact Factor (2021): **2.899**. Q3 – zona gri. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000940662800001>.

3. Țolea Bogdan Adrian, Radu Alexandru Ionuț, **Beleş Horia**, Dragomir George, Moca Sorin. *Study of a car-to-pedestrian collision in case of vehicle's post-impact braking*. SIAR International Congress of Automotive and Transport Engineering: Science and Management of Automotive and Transportation Engineering SMAT 2019: The 30th SIAR International Congress of Automotive and Transport Engineering, pages 375-382. DOI: https://doi.org/10.1007/978-3-030-32564-0_44. Print ISBN: 978-3-030-32563-3. Online ISBN: 978-3-030-32564-0. Publisher: Springer, Cham. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000528526600044>.
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5. Tușinean Adrian, Hofbauer Peter, **Beleş Horia**, Mitran Tudor. The simulation of the gas exchange process for the internal combustion engines with opposite pistons. *Ingineria Automobilului*, Issue: 52, Pages: 19-23, Published: SEP 2019. Publisher: Soc Automotive Engineers Romania, Bucuresti, Romania, ISSN: 1842-4074. Journal Impact Factor < 0.1. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000486369100009>.
6. Tușinean Adrian, Hofbauer Peter, **Beleş Horia**, Radu Sebastian. *Considerations on the gas exchange process in internal combustion engines with opposite pistons*. *Ingineria Automobilului*, Issue: 50, Pages: 15-18, Published: MAR 2019. Publisher: Soc Automotive Engineers Romania, Bucuresti, Romania, ISSN: 1842-4074. Journal Impact Factor < 0.1. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000486368200007>.
7. Mitran Tudor, Blaga Vasile, **Beleş Horia**, Dragomir George. *The calculus of the technical-economic parameters of a spark-ignited direct injection engine*. *Ingineria Automobilului*, Issue: 48, Pages: 12-14, Published: SEP 2018. Publisher: Soc Automotive Engineers Romania, Bucuresti, 00000, Romania, ISSN: 1842-4074. Journal Impact Factor < 0.1. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000458322500005>.
8. Țolea Bogdan Adrian, Radu Ionuț, Dima Dragoș Sorin, **Beleş Horia**. *The influence of the suspension upon the axle weight distribution for heavy trucks*. *Ingineria Automobilului*, Issue: 47, Pages: 23-26, Published: JUN 2018. Publisher: Soc Automotive Engineers Romania, Bucuresti, 00000, Romania, ISSN: 1842-4074. Journal Impact Factor < 0.1. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000450557500006>.
9. Țolea Bogdan, Radu Alexandru Ionuț, **Beleş Horia**, Antonya Csaba. *Influence of the geometric parameters of the vehicle frontal profile on the pedestrian's head accelerations in case of accidents*. *International Journal of Automotive Technology*, Volume: 19, Issue: 1, Pages: 85-98, DOI: 10.1007/s12239-018-0009-0, Published: FEB 2018. Publisher: Korean Soc Automotive Engineers-KSAE, South Korea, ISSN: 1229-9138, eISSN: 1976-3832. Journal Impact Factor (2022): 1.6. Q4 – zona albă. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000412188100009>.
10. Jovanov Dejan, Vollpracht Hans Joachim, **Beleş Horia**, Popa Virgil, Țolea Bogdan Adrian. *Most common road safety engineering deficiencies in South Eastern Europe as a part of safe system approach*. *International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment (CAR2017)*. IOP Conference Series-Materials Science and Engineering, Volume: 252, Article Number: UNSP 012021, DOI: 10.1088/1757-899X/252/1/012021, Pages: 12-21, Published: 2017. Publisher: IOP Publishing LTD, England, ISSN: 1757-8981. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000419817200021>.
11. Mitran Tudor, Chioreanu Nicolae, Chioreanu Cătălin, Rus Alexandru, **Beleş Horia**. *A Propulsion System for Means of Transport with Non-autonomous Electrical Traction*. CONAT 2016: International Congress of Automotive and Transport Engineering, Pages: 491-496, DOI: 10.1007/978-3-319-45447-4_54, Published: 2017. Publisher: Springer Int Publishing AG, Switzerland, ISBN: 978-3-319-45447-4. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000390821400054>.
12. Radu Alexandru Ionuț, Cofaru Corneliu, Țolea Bogdan, Trușcă Daniel Dragoș, **Beleş Horia**. *Research Regarding Occupant's Movement in the Case of Frontal Collision Using High-Speed Video Recording*. CONAT 2016: International Congress of Automotive and Transport Engineering, Pages: 790-797, DOI: 10.1007/978-3-319-45447-4_86, Published: 2017. Publisher: Springer Int Publishing AG, Switzerland, ISBN: 978-3-319-45447-4. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000390821400086>.
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14. **Beleş Horia**, Preda Ion, Dragomir George, Blaga Vasile, Ardelean Felician. *Theoretical Research Regarding the Active Safety Systems*. Annals DAAAM for 2008&Proceedings of the 19th International DAAAM Symposium, Pages: 87-88, Published: 2008. Publisher: DAAAM Int Vienna, Austria, ISBN:978-3-901509-68-1, ISSN: 1726-9679. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000262860100043>.
15. Dragomir George, **Beleş Horia**, Blaga Vasile, Stănăşel Iulian, Negrea Virgiliu Dan, Blaga Florin Sandu. *Diesel Engines Pollution and Functional-Constructive Performances Compromise Optimization, Using Fuzzy Sets*. Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, Pages: 437-438, Published: 2008. Publisher: DAAAM Int Vienna, Austria, ISBN: 978-3-901509-68-1, ISSN: 1726-9679. Web of Science: <https://1710q2bys-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000262860100218>.

ARTICOLE PUBLICATE IN VOLUME ALE CONFERINTELOR INTERNAȚIONALE

1. **Beleş Horia**, Scurt Florin Bogdan, Țolea Bogdan Adrian, Mitran Tudor, Țeț Vlad Imre. *Particularities regarding the design and conception of a bodywork superstructure intended for the transportation of perishable goods*. IOP Conference Series: Materials Science and Engineering, Volume 1303, Economicity, Safety and Reliability for Motor Vehicles Congress (and SIAR International Automotive and Transport Engineering Congress) 02/11/2023 - 04/11/2023 Bucharest, Romania. DOI 10.1088/1757-899X/1303/1/012055. Crossref: <https://iopscience.iop.org/article/10.1088/1757-899X/1303/1/012055>.
2. Scurt Florin Bogdan, **Beleş Horia**, Vesselenyi Tiberiu, Csokmai Lehel. *Driver alertness monitoring system in the context of safety increasing and sustainable energy use*. Cognitive Sustainability, Mar 2023, Volume 2, Nr. 1, ISSN 2939-5240, Budapest, Hungary. Published: 2023-03-31. DOI: <https://doi.org/10.55343/CogSust.49>. Crossref: <https://cogsust.com/index.php/real/article/view/49>.
3. **Beleş Horia**, Stănăşel Iulian, Crăciun Dan, Scurt Florin Bogdan, Țolea Bogdan Adrian. Study of heat transfer in the walls of the body superstructure of a vehicle for transporting frozen meat carcasses. Proceedings of the International Conference of Mechanical Engineering (ICOME-2022), Craiova 2022. Publication Date: 30 May 2023. ISBN: 10.2991/978-94-6463-152-4_42. ISSN: 2589-4943. DOI: 10.2991/978-94-6463-152-4_42. Crossref: <https://www.atlantispress.com/proceedings/ico-me-22/125987661>.
4. Țolea Bogdan Adrian, **Beleş Horia**, Radu Alexandru Ionuț, Scurt Florin, Dragomir George. *The assessment of pedestrian's head injury risk at the impact with the vehicle's windshield*. IOP Conference Series: Materials Science and Engineering, Volume 1256, The Annual Session Of Scientific Papers (IMT Oradea 2022) 7th-8th July 2022, Oradea, Romania. Published under licence by IOP Publishing Ltd. DOI: 10.1088/1757-899X/1256/1/012042. Crossref: <https://iopscience.iop.org/article/10.1088/1757-899X/1256/1/012042/pdf>.
5. Blaga Vasile, Mitran Tudor, Rus Alexandru, **Beleş Horia**, Dragomir George. *A comparative study of calculated and experimental indicated diagrams of a S.I. Engine*. IOP Conference Series: Materials Science and Engineering, Volume 1220, The XXXI-st SIAR International Congress of Auto-motive and Transport Engineering "Automotive and Integrated Transport Systems" (AITS 2021), 28th-30th October 2021, Chisinau, Republic of Moldova, Pages: 148-160. Published under licence by IOP Publishing Ltd DOI: 10.1088/1757-899X/1220/1/012016. ISSN: 1757-8981. Crossref: <https://iopscience.iop.org/article/10.1088/1757-899X/1220/1/012016>.
6. Scurt Florin Bogdan, Vesselenyi Tiberiu, Țarcă Radu Cătălin, **Beleş Horia**, Dragomir George. *Autonomous vehicles: classification, technology and evolution*. IOP Conference Series: Materials Science and Engineering, Volume 1169, The Annual Session Of Scientific Papers (IMT Oradea 2021) 27th-28th May 2021, Oradea, Romania. Pages: 247-254. Published under licence by IOP Publishing Ltd. DOI: doi:10.1088/1757-899X/1169/1/012032. Crossref: <https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012032>.
7. **Beleş Horia**, Țolea Bogdan Adrian, Crișan George Florin, Dogar Claudiu Alexandru, Ciotachiev Vlad Vasile. *The assessment of pedestrian's head injury risk at the contact with the vehicle's hood*. Annual Session of Scientific Papers "IMT ORADEA 2019" 30-31 May 2019, Oradea, Felix SPA, Romania. IOP Conf. Series: Materials Science and Engineering 568 (2019) 012095, Pages: 396-400, IOP Publishing, DOI:10.1088/1757-899X/568/1/012095. Scopus: https://www.scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85073454280&origin=resultslist&sort=plf-f&src=s&st1=Beles+H*&sid=a61d21aa86a0e3fce277f6cec44ef9d0&sot=b&sdt=b&sl=21&s=AUTHOR-NAME%28Beles+H*%29&relpos=1&citeCnt=2&searchTerm=.
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9. Popa Virgil, **Beleş Horia**, Țolea Bogdan, Dragomir George, Mitran Tudor. *Studies Regarding Occupant Kinematics in the Vehicle at the Frontal and Rear Impact*. Applied Mechanics and Materials, Vol. 822, Pages: 512-522, Jan. 2016. Publisher: Trans Tech Publications, ISSN print: 1660-9336, ISSN web: 1662-7482, ISBN: 978-3-03835-703-2, DOI: <https://doi.org/10.4028/www.scientific.net/AMM.822.512> <https://www.scientific.net/AMM.822.512>; CrossRef: <https://search.crossref.org/?q=beles+h&page=4>.
10. Mitran Tudor, Chioreanu Nicolae, **Beleş Horia**, Rus Alexandru, Polojintef-Corbu Nicolae. *The Calculation of the Pressure Losses in the Hydraulic Circuit of a Single Regime Operating Thermal-Hydraulic Generator*. Applied Mechanics and Materials, Vol. 822, Pages: 305-310, Jan. 2016. Publisher: Trans Tech Publications, ISSN print: 1660-9336, ISSN web: 1662-7482, ISBN: 978-3-03835-703-2, DOI: <https://doi.org/10.4028/www.scientific.net/AMM.822.305>; CrossRef: <https://search.crossref.org/?q=beles+h&page=3>.

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2. *Utilizarea materialelor avansate în construcția suprastructurilor pentru autovehicule*. Nr. contract: 313 / 21.12.2021. Competiție de granturi Universitatea din Oradea: "Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic" - INO – Transfer – UO, Ediția I. Valoare proiect: 100.000 lei. Perioada: 21.12.2021 – 30.06.2023. Director proiect.

Proiecte de cercetare pentru mediul economic, în calitate de Director / Responsabil proiect

1. *Adaptarea constructivă a unui motor cu ardere internă, cu pistoane opuse și cilindri opuși, în vederea funcționării acestuia cu hidrogen, într-un ciclu termodinamic în doi timpi*. Nr. contract: 7 / 31.05.2023. Beneficiar: SC Advanced Mechatronik Technologies SRL, Brașov. Valoare proiect: 101.150 lei. Perioada: 31.05.2023 – 22.04.2024. Director proiect.

Granturi câștigate prin competiție, în calitate de Membru în echipa de cercetare

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Data:

20.12.2024

Candidat:

Conf. dr. ing. Beleş Horia

Semnătura _____