

Technical University of Cluj-Napoca
 Faculty of Industrial Engineering, Robotics and Production Management
 Department of Manufacturing Engineering
 S.L. Dr. Eng. Vlad Bocăneț

LIST of scientific works in the field of disciplines in the teaching position

A – PhD thesis

"Research and contributions on the use of an autonomous hydrostatic transmission in the structure of mobile machines"

Scientific coordinator: Prof. dr. eng. Liviu VAIDA

Technical University of Cluj-Napoca

Public presentation: 11 02 2013.

B – Books and book chapters published in the last 10 years

BOOK CHAPTERS

1. **Bocanet, V. I.**, Fleseriu, C. (2020). Modern technologies used in education. în cartea Developing technology mediation in learning environments, pp. 190-205. Editura IGI Global, ISBN: 9781799815914, <https://www.igi-global.com/book/developing-technology-mediation-learning-environments/233686>
2. Fleșeriu, Cristina; Cosma, Smaranda; **Bocăneț, Vlad**; Bota, Marius (2018) The influence of age on how Romanians choose a hotel., în cartea “Generational impact in the Hospitality Industry” Editura RISOPRINT, Cluj-Napoca, ISBN: 978-973-53-1395-2, <https://tbs.ubbcluj.ro/ehi18/Book-EHI18.pdf>

C – ISI/BDI indexed papers published in the last 10 years

c1) Articles / studies published in specialized journals of international circulation recognized (ISI rated)

1. Panc, Nicolae, **Vlad Bocanet**, Marius Bulgaru, and Calin Beldean. *"Research on holes finishing operations performance by cutting."* Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering 57, No. 1 (2014).
2. Andrea, Vass, Andras Csaba Szilaghyi, And **Vlad Bocanet**. *"Contributions To The Development Of An Application Using The Autolisp Routine."* Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering 57, No. 1 (2014).
3. Fulea, Lucian Gheorghe, **Vlad Bocăneț**, Marius Bulgaru, And Marian Borzan. *"Developing of a Application Methodology of a FMEA Analysis of a CMM Measuring Process."* Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering 57, No. 1 (2014).
4. Fulea, Lucian Gheorghe; **Bocanet, Vlad**; Bulgaru, Marius; Borzan, Marian, *Contributions Regarding the FMEA Analysis of a CMM Measuring Process*, Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, 58,1, Pp. 59-66, Mar 2015

5. **Bocanet, Vlad**; Panc, Nicolae, *The Influence Of Hole Finishing Strategies On Quality*, Modern Technologies In Manufacturing (MTeM 2017 - AMaTUC), 137, Pp. -, 2017, Doi 10.1051/Mateconf/201713703001
6. **Bocanet, Vlad**; Bulgaru, Marius; Pop, Vlad, *Low-Cost Industrial Photogrammetry For Rapid Prototyping*, Modern Technologies In Manufacturing (MTeM 2017 - AMaTUC), 137., pp. -, 2017, DOI 10.1051/mateconf/201713706001
7. Borzan, Cristina Stefana Miron; Moldovan, Marioara; **Bocanet, Vlad**, *Evaluation of Surface Modification of PA 2200 Parts Made by Selective Laser Sintering Process*, Revista de Chimie, 69,4, pp. 886-889, APR 2018, DOI
8. Uukkivi, A.; Browne, K.; Lopes, A. P.; Bilbao, J.; Cellmer, A.; Feniser, C.; Safiulina, E.; Soares, F.; Latonina, M.; Labanova, O.; **Bocanet, V**; Bravo, E.; Garcia, O.; Rebollar, C.; Varela, C., *Mathematics Online Learning Model In Engineering Education*, 13-th International Technology, Education And Development Conference (INTED2019), pp. 8941-8947, 2019, DOI 10.21125/inted.2019.2224
9. Brown, K.; Uukkivi, A.; Soares, F.; Lopes, A. P.; Cellmer, A.; Feniser, C.; Rebollar, C.; Varela, C.; Bravo, E.; Safiulina, E.; Kelly, G.; Bilbao, J.; Cymerman, J.; Latonina, M.; Garcia, O.; Labanova, O.; **Bocanet, V.**, *A European Educational Math Project - Comparative Needs Analysis In Partner Institutions*, Edulearn19: 11-th International Conference On Education And New Learning Technologies, pp. 742-749, 2019, DOI
10. **Bocanet, Vlad**; Popescu, Adrian; Feniser, Cristina; Tamba, Iulian, *Study on the design and execution of a short fiber reinforced polyamide part*, Modern Technologies In Manufacturing (MTEM 2019), 299., pp. -, 2019, DOI 10.1051/mateconf/201929906006
11. Bulgaru, Marius; **Bocanet, Vlad**; Muntean, Mircea, *Research regarding tactile scanning versus optical scanning*, MODERN TECHNOLOGIES IN MANUFACTURING (MTEM 2019), 299., pp. -, 2019, DOI 10.1051/mateconf/201929904013
12. Popan, Ioan Alexandru; **Bocanet, Vlad**; Balc, Nicolae; Popan, Alina Ioan, *Investigation on Feed Rate Influence on Surface Quality in Abrasive Water Jet Cutting of Composite Materials, Monitoring Acoustic Emissions*, ADVANCES IN MANUFACTURING ENGINEERING AND MATERIALS, ICMEM 2018, ,, pp. 105-113, 2019, DOI 10.1007/978-3-319-99353-9_12
13. Panc, Nicolae; Contiu, Glad; **Bocanet, Vlad**, *Comparative Analysis of Surface Finishing for Different Cutting Strategies of Parts Made from POM C*, ADVANCES IN MANUFACTURING ENGINEERING AND MATERIALS, ICMEM 2018, pp. 324-332, 2019, DOI 10.1007/978-3-319-99353-9_35
14. Fleseriu, Cristina; Cosma, Smaranda Adina; **Bocanet, Vlad**, *Values and Planned Behaviour of the Romanian Organic Food Consumer*, SUSTAINABILITY, 12,5, pp. -, MAR 1 2020, DOI 10.3390/su12051722
15. Soares, F.; Lopes, A. P.; Cellmer, A.; Uukkivi, A.; Rebollar, C.; Varela, C.; Feniser, C.; Bravo, E.; Safiulina, E.; Kelly, G.; Bilbao, J.; Cymerman, J.; Brown, K.; Latonina, M.; Garcia, O.; Labanova, O.; **Bocanet, V**, *Developing Interactive E-Contents For A Mathematic Erasmus Plus Project - Challenges And Experiences*, 14th International Technology, Education And Development Conference (INTED2020), ,, pp. 477-485, 2020, DOI doi: 10.21125/inted.2020.0203
16. Bud, Eugen S.; **Bocanet, Vlad I.**; Muntean, Mircea H.; Vlasa, Alexandru; Bucur, Sorana M.; Pacurar, Mariana; Dragomir, Bogdan R.; Olteanu, Cristian D.; Bud, Anamaria, *Accuracy of Three-Dimensional (3D) Printed Dental Digital Models Generated with Three Types of Resin Polymers by Extra-Oral Optical Scanning*, JOURNAL OF CLINICAL MEDICINE, Vol. 10, 9, DOI: 10.3390/jcm10091908
17. **Bocanet, Vlad I.**; Brown, Ken; Uukkivi, Anne; Soares, Filomena; Lopes, Ana Paula; Cellmer, Anna; Serrat, Carles; Feniser, Cristina; Serdean, Florina M.; Safiulina, Elena; Kelly, Gerald; Cymerman, Joanna; Kierkosz, Igor; Sushch, Volodymyr; Latonina, Marina; Labanova, Oksana;

- Bruguera, M. Montserrat; Pantazi, Chara; Estela, M. Rosa, *Change in Gap Perception within Current Practices in Assessing Students Learning Mathematics*, SUSTAINABILITY, Vol. 13, 8, DOI: 10.3390/su13084495
18. Bud, E. S., **Bocanet, V. I.**, Muntean, M. H., Vlasa, A., Păcurar, M., Zetu, I. N., Soporan, B. I., & Bud, A. (2022). *Extra-Oral Three-Dimensional (3D) Scanning Evaluation of Three Different Impression Materials—An In Vitro Study*. *Polymers*, 14(17), 3678. <https://doi.org/10.3390/polym14173678>
 19. Popescu, Adrian; **Bocanet, Vlad**; Sabau, Emilia; Bacila, Carmen Gabriela (2022). *Determination Of The Mechanical Characteristics Of Polyamide 6.6 Plastic Reinforced With Short Glass Fibers 30%*, *Acta Technica Napocensis Series-Applied Mathematics Mechanics And Engineering*, 65 (2), pag. 179-184,
 20. Vlasa, Alexandru; **Bocanet, Vlad I.**; Muntean, Mircea H.; Bud, Anamaria; Dragomir, Bogdan Radu; Rosu, Sorana Nicoleta; Lazar, Luminita; Bud, Eugen (2023). *Accuracy of Three-Dimensional Printed Dental Models Based on Ethylene Di-Methacrylate-Stereolithography (SLA) vs. Digital Light Processing (DLP)*, *APPLIED SCIENCES-BASEL*, 13 (4), DOI 10.3390/app13042664
 21. Panc, Nicolae Alin; **Bocanet, Vlad**; Vilau, Cristian; Chezan, Horea; Popan, Ioan Alexandru; Contiu, Glad (2023). *New method of fixturing the low-rigidity parts by adhesive clamping*, *INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY*, 129 (5-6), pag. 2591-2608, DOI 10.1007/s00170-023-12429-3
 22. Badea (Paun), Ariadna Georgiana; **Bocanet, Vlad Ioan**; Badea, Iulia Clara; Chifor, Radu; Duma, Livia Terezia; Borzan, Cristina Maria (2023). *Relationship between Behavior and Periodontal Health Self-Perception in Diabetic and Non-Diabetic Patients from Transylvania, Romania-A Self-Report Study, including The Desire to Use a Mobile App for Oral Care Improvements*, *MEDICINA-LITHUANIA*, 59 (8), DOI 10.3390/medicina59081419
 23. Fleseriu, Cristina; Kostelic, Katarina; **Bocanet, Vlad** (2023). *Consumer Ethnocentrism Influence In Choosing A Hotel In Domestic Tourism-Evidence From Romania And Croatia*, *Ekonomski Vjesnik*, 36 (1), pag. 181-200, DOI 10.51680/v.36.1.14

c2) Studies published at conferences indexed in international reference databases in the field of (DBLP, ACM, IEEE, SCOPUS)¹

1. Marius BULGARU, Lucian FULEA, **Vlad BOCĂNEȚ** (2014) *Development of a FMEA analysis on the coordinate measuring process*, XI-th International Scientific Conference Coordinate Measuring Technique, 2-4 apr. 2014, Bielsko-Biala, Polonia Proceedings of XI-th International Scientific Conference on Coordinate Measuring Technique CMT 2014, pag. 15-19, Bielsko-Biała, 2015, Ed. Akademii Techniczno-Humanistycznej, ISBN 978-83-63713-88-1 [SCOPUS]
2. **Bocanet, Vlad**; Bulgaru, Marius; Fulea, Lucian (2015) *Components of FMEA database for the measurement process*, *Academic Journal of Manufacturing Engineering*, Editura Politehnica, 13, 3, pp. 12-17, [SCOPUS]
3. Bulgaru, Marius; Fulea, Lucian; Borzan, Marian; **Bocăneț, Vlad**; Ilas, Silviu; , (2015) *Using Six Sigma Methodology to Reduce Nonconformities*, *Applied Mechanics and Materials*, 809-810, pag. 1287-1292, DOI: 10.4028/www.scientific.net/AMM.809-810.1287 [SCOPUS]

¹ indexed in:

[IEEE] - IEEE Xplore (<http://ieeexplore.ieee.org/Xplore/guesthome.jsp>)

[ACM] - ACM portal (<http://portal.acm.org>)

[DBLP] - (<http://www.informatik.uni-trier.de>)

[SCOPUS] - (<http://www.scopus.com>)

4. Panc, Nicolae; Contiu, Glad; **Bocanet, Vlad**; Thurn, Laura; Sabau, Emilia (2019) *The Influence of Cutting Technology on Surface Wear Hardness*, Academic Journal of Manufacturing Engineering, , 17, 3, pp. 205-210 [SCOPUS]
5. Uukkivi A., Labanova O., Safiulina E., Latõnina M., **Bocanet V.**, Feniser C., Serdean F., Lopes A.P., Soares F., Brown K., Kelly G., Martin E., Cellmer A., Cymerman J., Sushch V., Kierkosz I., Bilbao J., Bravo E., Garcia O., Varela C., Rebollar C. (2020) *On-line course on engineering mathematics: Students' experience with pilot course material*, SEFI 48th Annual Conference Engaging Engineering Education, Proceedings, pp. 1138 - 1145, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107236050&partnerID=40&md5=eef1338f9ee00af19d9146a9bffd5156> [SCOPUS]
6. J Bilbao, E Bravo, O García, C Rebollar, C Varela, A Uukkivi, O Labanova, M Latõnina, E Safiulina, A Cellmer, J Cymerman, Igor Kierkosz, K Brown, G Kelly, AP Lopes, F Soares, C Feniser, **V Bocanet**, F Rusu (2020) *Bringing Mathematics to Engineering: Online Learning-Teaching Model*, International Conference on Mathematics and Computers in Science and Engineering (MACISE), IEEE, pp. 24-29, 2020 [IEEE]
7. Labanova O.; Safiulina E.; Latõnina M.; Uukkivi A.; Bocanet V.; Feniser C.; Serdean F.; Lopes A.P.; Soares F.; Brown K.; Kelly G.; Martin E.; Cellmer A.; Cymerman J.; Sushch V.; Kierkosz I.; Bilbao J.; Bravo E.; Garcia O.; Varela C.; Rebollar C., (2021) *Poster: Technique of Active Online Training: Lessons Learnt from EngiMath Project*, Advances in Intelligent Systems and Computing, 1328 AISC, pag. 721-729, DOI 10.1007/978-3-030-68198-2_67 [SCOPUS]

D – Papers published in the last 10 years in journals and conference volumes with reviewers (not indexed)

- Journals

1. Meda-Romana SIMU, **Vlad Ioan BOCĂNEȚ**, Michaela MESAROȘ, Cristina BORZAN „*Study of the frequency of musculoskeletal disorders among dentists*” Revista Acta Medica Transilvanica, Ed. Universității „Lucian Blaga” din Sibiu, an XIX nr. 4. Decembrie, 2014, ISSN 2285-7079, Sibiu, România
2. Filomena Soares, Ana Paula Lopes, Anna Cellmer, Anne Uukkivi, Carolina Rebollar, Concepcion Varela, Cristina Feniser, Elena Safiulina, Eugenio Bravo, Gerald Kelly, Javier Bilbao, Joanna Cymerman, Ken Brown, Marina Latõnina, Oksana Labanova, Olatz Garcia, **Vlad Bocanet**, (2021) *Development of a Mathematics On-line Project in Engineering Education, Open Education Studies*, De Gruyter, 1, 1, pp. 257-261, 2019
3. F. Soares, A.P. Lopes, A. Cellmer, A. Uukkivi, C. Feniser, E. Safiulina, G. Kelly, J. Cymerman, K. Brown, M. Latõnina, O. Labanova, V. Bocanet, F. Serdean, I. Kierkosz (2021) *Innovative Teaching Methodologies For An Online Engineering Mathematics Course*, Inted2021 Proceedings, pp. 8568-8577.
4. F. Soares, A.P. Lopes, V. Bocanet, K. Brown, A. Cellmer, I. Kierkosz, O. Labanova, C. Serrat, A. Uukkivi (2022) *Students’ International Competition – Promoting Engagement And Social Skills*, Edulearn22 Proceedings, pp. 498-507. doi: 10.21125/edulearn.2022.0148

- Selection with maximum 20 papers in conference volumes

1. Fulea, G. L., Borzan, M., **Bocănet, V.**, Bulgaru, M. Štrbac, B., „*Contributions to the application of analysis FMEA of a CMM measuring process*”, Etikum International Scientific Conference Novi Sad, Serbia, June 19-20, 2014, Proceedings Of The International Scientific Conference Etikum 2014 - Metrology And Quality in Production Engineering and Environmental Protection, Ed. FTN, Graphic Centre GRID, ISBN 978-86-7892-616-7

2. **Vlad BOCĂNEȚ**, Lucian Fulea, Marius Bulgaru, "*Implementarea unui sistem de prelucrare online a datelor statistice pe o linie de fabricatie*", Conferința Națională Multidisciplinară "Prof. Ion D Lăzărescu, fondatorul școlii românești de teoria așchierii", Cugir 10 sep. 2014, ed. 2, vol. 2, pag. 779, ISBN 978-973-126-614, Ed Grinta Cluj-Napoca, 2014
3. Lucian Fulea, Marian Borzan, Marius Bulgaru, Florin Mihai Muntean, **Vlad BOCĂNEȚ**, "*Aplicarea metodologiei Six Sigma pentru reducerea timpilor de staționare accidentală la mașina Arthur Klink*", Conferința Națională Multidisciplinară "Prof. Ion D Lăzărescu, fondatorul școlii românești de teoria așchierii", Cugir 10 sep. 2014, ed. 2, vol. 2, pag. 771, ISBN 978-973-126-614, Ed Grinta Cluj-Napoca, 2014
4. BULGARU M., FULEA L., BORZAN M., **BOCĂNEȚ V.**, ILAS S., *Using Six Sigma Methodology to Reduce Nonconformities*, Innovative Manufacturing Engineering International Conference IManE 2015, May 21-22, 2015, Iași, Romania

E – Patents obtained for the entire activity

1. Not the case

F – Teaching material

Course textbooks

1. **Bocăneț V.** "*Statistică și probabilități – support de curs*", Editura UTPRESS, Cluj-Napoca, 2023, ISBN 978-606-737-673-9
2. **Bocăneț V.** "*Statistics and probability – course textbook*", Editura UTPRESS, Cluj-Napoca, 2023, ISBN 978-606-737-674-6
3. **Bocăneț V.** "*Quality Management – course textbook*", Editura UTPRESS, Cluj-Napoca, 2023, ISBN 978-606-737-680-7

Laboratory guides

1. **Vlad BOCĂNEȚ**, Marius BULGARU – „*Îndrumător de lucrări – Ingineria Calității*”, Editura Casa Cărții de Știință, Cluj-Napoca, 2014, ISBN 978-606-17-0466-8, 106 pag.
2. **Bocăneț V.** "*Statistică și probabilități – îndrumător de laborator*", Editura UTPRESS, Cluj-Napoca, 2023, ISBN 978-606-737-672-2

Date

08.01.2024

Signature

