



CURRICULUM VITAE

Date personale:

Nume, Prenume: **ALBU SORIN-CRISTIAN**

Titlu academic: Șef Lucrări

Departament: Departamentul de Inginerie Industrială și Management

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Domenii de interes (maximum 5 domenii, direcții):

Cercetări privind geometria și tehnologia melcilor cilindrici și conici, Fabricarea pieselor prin imprimare 3D, Studiul angrenajelor

Activitate de cercetare:

1. Proiecte de cercetare (maximum 3 proiecte)

Cercetări avansate pentru creșterea competitivității și capacității de concepție, analiză și expertiză specifică prototipării rapide prin modelare aditivă – RAPPROT - PN-III-P2-2.1-CI-2017-0430 (director proiect)

2. Lucrări publicate in extenso (maximum 5 lucrări)

1. **Albu S.**, Pozdîrcă Al., ZPA Flank Evaluation Using Spherical Stylus, The 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9



October 2015, Târgu Mures, Romania, Pag.20-27, 2016,Procedia Technology, Volume 22, 2016, ISSN: 2212-0173

<https://www.sciencedirect.com/science/article/pii/S2212017316000050>

2.Albu S., Determination of Tangency Point between the Cylindrical Sharp Stylus and a Helical Surface of the Cylindrical Worms, The 10th International Conference Interdisciplinarity in Engineering, INTER-ENG 2016, 6-7 October 2016, Târgu Mures, Romania, Pages 167-174, Procedia Engineering, Volume 181, 2017, ISSN: 1877 - 7058

<https://www.sciencedirect.com/science/article/pii/S1877705817310081>

3. Albu S., Development on the production of a new type of extruder used in additive manufacturing, FDM technology, The 11th International Conference Interdisciplinarity in Engineering, INTER-ENG 2017, 6-7 October 2017, Târgu Mures, Romania, Pages 141-146, Procedia Manufacturing, Volume 22, 2018, ISSN: 2351 - 9789

<https://www.sciencedirect.com/science/article/pii/S2351978918303160>

4. Albu S., Simulation of Processing of a Helical Surface with the Aid of a Frontal-Cylindrical Milling Tool, The 12th International Conference Interdisciplinarity in Engineering, INTER-ENG 2018, 4-5 October 2018, Târgu Mures, Romania, Pages 36-41, Procedia Manufacturing, Volume 32, 2019,ISSN: 2351 – 9789

<https://www.sciencedirect.com/science/article/pii/S2351978919302148>

5. Sorin Cristian Albu, Contribution Regarding the Production of PLA Products Through 3D Printing, FDM Technology, Used in the Automotive Industry, The 16th International Conference Interdisciplinarity in Engineering, Inter-Eng 2022 Conference Proceedings, Pages 197-209, *Springer*, ISBN **978-3-031-22375-4**, ISSN **2367 – 3370**

https://link.springer.com/chapter/10.1007/978-3-031-22375-4_17