Model F17 - Memoriul științific al studentului doctorand

MEMORIU ȘTIINȚIFIC
Drd. Bucur Mihai

Studii de doctorat

Perioada: 2020 - 2025
Conducător științific: Prof.dr.ing. Sorin Cănănău
Domeniu: Inginerie Robotica și industrială
TITLUL TEZEI DE DOCTORAT: COMPORTAREA ELASTICĂ ȘI EVALUAREA TENSIUNILOR DIN ZONA DE RACORDARE A DANTURII LA ANGRENAJUL CILINDRIC CU DINȚI ÎNCLINAȚI

Activitate științifică

Lista de lucrări științifice (articole în reviste sau volume)

1. **Bucur, M**, Cananau, S, Mirica, R F, Gabroveanu, S, Comparative analysisconcerningthe state of stress for involute gearsusing ISO, AGMA standardsand Finite Element Method , 2022,IOP ConferenceSeries: The 10th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2022) 09/06/2022 - 10/06/2022 Online, IOP Publishing, Vol.1262, Is 1, ISSN 1757-899X, e-ISSN 1757-8981, DOI 10.1088/1757-899X/1262/1/012002, https://dx.doi.org/10.1088/1757-899X/1262/1/012002 , INDEXATA Web of Science (CPCI), EBSCO Discovery Service, Google Scholar, British Library Services, ProQuest
2. Ilieş A, **Bucur M**, Cananau S, Mirica R F, and Gabroveanu S, Considerations concerning the power loss in a gear system, 2022, IOP ConferenceSeries:The 10th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2022) 09/06/2022 - 10/06/2022 Online, IOP Publishing, Vol.1262, Is 1, ISSN 1757-899X, e-ISSN 1757-8981, DOI 10.1088/1757-899X/1262/1/012007, https://dx.doi.org/10.1088/1757-899X/1262/1/012007, INDEXATA Web of Science (CPCI), EBSCO Discovery Service, Google Scholar, British Library Services, ProQuest
3. **Bucur M**, Ilieş A, Cananau S, Gabroveanu S , Numericalstudyconcerningtheinfluence of thematerialstothemeshing of an involute helical gear set, U.P.B. Sci. Bull., Series D, Vol. 83, Iss. 3, 2021 ISSN 1454-2358, pp.193-206, https://www.scientificbulletin.upb.ro/seria/d/arhiva?year=2021&issue=3, INDEXATA **Scopus,**Inspec, Elsevier Science, Cambrige Scientfic Abstracts, Metadex, Engineering Village, Compendex, Ulrichs International Periodicals Directory
4. **Bucur M**, Ilieş A, Cananau S, Gabroveanu S , Numericalstudyconcerningtheinfluence of thematerialstothemeshing of an involute helical gear set, U.P.B. Sci. Bull., Series D, Vol. 83, Iss. 3, 2021 ISSN 1454-2358, pp.193-206, https://www.scientificbulletin.upb.ro/seria/d/arhiva?year=2021&issue=3, INDEXATA **Scopus,**Inspec, Elsevier Science, Cambrige Scientfic Abstracts, Metadex, Engineering Village, Compendex, Ulrichs International Periodicals Directory
5. Boaca Fl., Cananau S., Calin A., **Bucur M.**, Prisecaru D.A., Stoica M., MechanicalAnalysis of CorrugatedCardboardSubjectedtoShearStresses, JOURNAL OF COMPOSITES SCIENCE, oct.2024, Vol.8, Is 10, ISSN 2504-477X, DOI 10.3390/jcs8100404, **WOS:001341960400001 Q2, IF 3**, https://www.mdpi.com/2504-477X/8/10/404
6. **Bucur. M**, Cananau. S, Mirica RM., Chiujdea. C, STUDY OF THE STRESS STATE FOR GEARS USED IN TRANSMISSIONS FOR POWER PLANTS Acceptat la publicare Buletin Stiintific, Universitatii Politehnica Bucuresti, Seria D.,INDEXATA Scopus, Inspec, Elsevier

Science, Cambrige Scientfic Abstracts, Metadex, Engineering Village, Compendex, Ulrichs International Periodicals Directory

B. Participări la conferințe/workshop-uri

1. **Antik special award**– 5 aprilie 2025, Deva, România
2. **International Exhibition Inventcor** – 5 aprilie 2025
3. **Euroinvent – Certificat de participare** – 10 mai 2025
4. **Euroinvent – Medalie de aur** – 10 mai 2025
5. **Euroinvent – Certificat de apreciere** – 10 mai 2025
6. **Euroinvent – Diplomă de excelență** – 10 mai 2025

C. Brevete

1. Cerere brevet**"Stand for the determination of stresses and deformations along and at the height of the tooth for gears with inclined teeth and large widths by the method of resistive tensometry"**nr:**A00095/12-03-2025**

Student-doctorand

Bucur Mihai