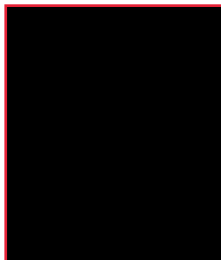


PERSONAL INFORMATION

POPESCU ADRIAN-CONSTANTIN

JOB APPLIED FOR
POSITION

Technical University of Cluj-Napoca, Department of Manufacturing Engineering
Associate Professor / position 25

WORK EXPERIENCE

2017 - at present

Senior Lecturer

Technical University of Cluj-Napoca, Memorandumului Street, no. 28, 400114, Cluj-Napoca, Romania,
Faculty of Machine Building, Department of Manufacturing Engineering

2011-2017

Teaching Assistant

Technical University of Cluj-Napoca, Memorandumului Street, no. 28, 400114, Cluj-Napoca, Romania,
Faculty of Machine Building, Department of Manufacturing Engineering

EDUCATION AND TRAINING

2008-2011

PhD student

Technical University of Cluj-Napoca, Industrial Engineering domain

Title of the thesis: "Contributions regarding the improvement of extrusion process of polymeric composite materials reinforced with short fibers "

Supervisor: Prof. Dr. Ing. Horațiu Iancău

2007-2008

Advanced studies

Technical University of Cluj-Napoca, Faculty of Machine Building

Specialization: Modern manufacturing technologies for plastic and composite parts

2002-2007

Academic studies

Technical University of Cluj-Napoca, Faculty of Machine Building

Specialization : Machine Building Technology – German section

Title of the diploma thesis: "Study of Programming and Manufacturing Possibilities on Lynx 220 CNC Lathes"

Diplomat Engineer – Valedictorian

30 May 2006

Graduate of the psycho-pedagogical training module

Technical University of Cluj-Napoca, Department for the preparation of teaching staff

Psychology, pedagogy, teaching methods

1998-2002 **High-school studies**
 High School of Transport and Telecommunications "Ion I.C. Brătianu", Satu-Mare
 Specialization: Telecommunications Electrician
 Valedictorian

PERSONAL SKILLS

Mother tongue Romanian

| Other language | UNDERSTANDING | | SPEAKING | | WRITING |
|----------------|---------------|--------------------|-------------------|---------|--------------------|
| | Reading | Spoken interaction | Spoken production | Reading | Spoken interaction |
| English | B2 | B2 | B2 | B1 | B1 |

Communication skills

- Quick adaptation to any research team;
- Communication skills acquired through teaching activities, conferences, seminars, and meetings with people from academic and industrial domain

Organisational / managerial skills

- Organizational skills and competences cultivated by coordinating research projects and organizing scientific events.

Job-related skills

- Good knowledge of manufacturing processes, cultivated as a member of the Department of Manufacturing Engineering and through training and continuing education courses in the field;
- Organization and development of the educational process.

Digital skills

- Good knowledge of Microsoft Office™ tools (Word, Excel, Power Point);
- Knowledge of SolidCAM, SolidWorks, MATHCAD, MECHSOFT, AutoCAD and Mold Flow Adviser software.
- Other: CorelDraw, Corel Designer Technical Suite.

Driving license A, B category

ADDITIONAL INFORMATION

Publications

Books/Chapters in books (8 books, chapters in books and teaching materials)

- Sorin Grozav, Ivan Kuric, **Adrian Popescu**, s.a. "Tools and equipment for automated processes and systems", ISBN 978-80-89276-56-1 editura PARDON PRINT, Slovakia, 2019;
- Ivan Kuric, Sorin Grozav, Nadežda Čuboňová, **Adrian Popescu**, ș.a. "Mechanization and automation equipment for processing", ISBN 978-606-737-102-4, Editura UTPRESS, Cluj-Napoca, 2015;
- Sorin Grozav, Vasile Ceclan, **Adrian Popescu**, "Utilaje pentru prelucrare prin deformare plastică la rece . Vol. 1", ISBN 978-606-8009-12-4, Editura JRC, 2015 ;
- Csaba Gyenge, **Adrian Popescu** "Tehnologia roților dințate", ISBN 978-606-504-205-6, Editura Alma Mater, Cluj-Napoca, 2017;
- **Adrian Popescu** "Extrudarea materialelor polimerice armate cu fibre de sticlă scurte" ISBN 978-606-737-658-6, Editura UTPRESS, Cluj-Napoca, 2023;
- **Adrian Constantin Popescu**, Mircea Aurelian Rusu, Emilia Sabău; "Tehnologii de sudare. Lucrări de laborator", ISBN 978-606-504-227-8, Cluj-Napoca, Editura Alma Mater, 2023;
- Hancu L., Iancau H., **Adrian Popescu** ș.a.; "Fabricația pieselor din materiale plastice. Lucrări de laborator", Editura UTPRESS, Cluj-Napoca, ISBN, 978-606-737-207-6, 2016;
- Paul Bere, Hancu L., **Adrian Popescu** ș.a.; "Materiale compozite cu matrice polimerică. Lucrări de laborator" Editura, UTPRESS, Cluj-Napoca, ISBN, 978-606-737-115-4, 2015.

- Publications **Research papers (17 in ISI Thomson Reuters, 28 BDI indexed, 14 in other journals/conferences)**
- **Popescu Adrian**, Hancu, L., Bere P., *Research Concerning the Optimum Extrusion Temperature for Reinforced Polyamide*, 17th International Conference on Innovative Manufacturing Engineering, IManE 2013, Applied Mechanics and Materials Vol. 371, ISSN: 1662-7482, ISBN-13: 978-303785786-1, 23-24 Mai, Iași; Romania, pag. 394-398, **2013**;
 - Morar, C., **Popescu, A.**, *The design of a plastic injection mold for the part "Tensile Test Specimen"*, Journal: ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, ISSN 1221-5872, Volume 60, No.2, pg. 319-324, Data publicării 5/7/**2017**;
 - Hancu, L., Marc, G., Popescu Adrian, Bere, P., Rodean, S., *Proposal for a composite structure and graphic design for a parking barrier*, MATEC Web of Conferences, Vol. 137, p. 08004, DOI: 10.1051/mateconf/201711207021, **2017**;
 - Bere, P., **Adrian Popescu** , Dudescu, C., Hancu, L., *Influence of the stacking sequence on the mechanical properties of glass fiber reinforced polymer*, Volume 112 MATEC Web Conf., 11204006, <https://doi.org/10.1051/mateconf/201711204006>, **2017**;
 - **Popescu, A.**, Hancu, L., Sabau, E., *Effect of temperature on the mechanical properties of extrusion glass fiber reinforced polyamide 6.6 composites (GFRPA 6.6)*, Journal: ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, ISSN 1221-5872, Volume 61, No.2, pg. 213-218, Data publicării 27/6/**2018**;
 - **Adrian Popescu**, Hancu Liana, Sabău Emilia, *Effect of temperature on the mechanical properties of extrusion glass fiber reinforced polyamide 6.6 composites (GFRPA 6.6)*, Acta Technica Napocensis – Series: Applied Mathematics, Mechanics and Engineering, vol. 61, Issue II, pp. 213-218, ISSN 1221 – 5872, **2018**;
 - PANC Nicolae, Alina POPAN, Adrian Sever RADU, **Adrian POPESCU**, *The influence of silicon rubber aging on parts obtained in flexible molds*, Acta Technica Napocensis – Series: Applied Mathematics, Mechanics and Engineering, vol. 61, Issue III, pp. 363-368, ISSN 1221 – 5872, **2018**;
 - Vlad Bocăneț, **Adrian Popescu**, Cristina Fenișer, Iulian Tamba, *Study on the design and execution of a short fiber reinforced polyamide part*", MTeM, MATEC Web Conf., 299, <https://doi.org/10.1051/mateconf/201929906006>, **2019**;
 - PANC Nicolae, Mircea Cristian DUDESCU, Liana HANCU, **Adrian POPESCU**, **Aging influence upon some mechanical properties of silicon rubber**, Acta Technica Napocensis – Series: Applied Mathematics, Mechanics and Engineering, vol. 62, Issue II, ISSN 1221 – 5872, **2019**;
 - Andreea Elena Musteata, George Pelin, Mihail Botan, **Adrian Popescu**, Lorena Deleanu, *The Behavior of Polymeric Blends (PP + PA6) in Tensile Tests*, Materiale Plastice Journal , 57 (1), 153-166, <https://doi.org/10.37358/MP.20.1.5322>, **2020**;
 - **Adrian POPESCU**, Vlad BOCĂNEȚ, Emilia SABĂU, Carmen Gabriela BĂCILĂ, *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, Vol. 65, Issue II, June, pp. 179-184, ISSN 1221 – 5872, **2022**;
 - Popan, I.A. ; Trif, A ; Panc, N.A. ; **Popescu, A.C.** ; Popan, A.I. ; Pop, G.M. ; *Investigations of the quality characteristics of holes made by using indexable drills*, Acta Technica Napocensis Series- Applied Mathematics Mechanics And Engineering, Volume 65, Issue 3, Page. 339-344, Indexed, 2022-12-16, Published SEP. **2022**;
 - Gergő Norbert BOCZOR, Domnița FRĂȚILĂ, **Adrian POPESCU**, *Approach on the prevention and methods of eliminating defects occurring in the selective coating process using a 1k material*, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 66, Issue 4, October, pg....., ISSN 1221 – 5872, **2023**;
 - Emilia SABĂU, Alex Sebastian TIMBUS, Cristina Ștefana BORZAN, **Adrian Constantin POPESCU**, *Rotating frame design for photovoltaic panels*, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 66, Issue 4, October, pg., ISSN 1221 – 5872, **2023**;
 - Emilia SABĂU, Mihai-Andrei DRAGOMIR, **Adrian POPESCU**, Brîndușa-Aniela RUSU, *Water flow simulation through the draft tube from a francis turbine*, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 66, Issue III, September, pg. 313-318, ISSN 1221 – 5872, **2023**;
 -

Projects Member of national and international research teams

- Proiect Horizon 2020, AMaTUC, "Boosting the scientific excellence and innovation capacity in additive manufacturing of the Technical University of Cluj-Napoca", Nr. 691787/01.01.2016, Director Proiect Bâlc Nicolae, Perioada de derulare 2016-2018.
- Proiect HORIZON 2020 – DiCoMI, "Directional Composites through Manufacturing Innovation", GA Nr. 778068, Director proiect: Prof. Nicolae Bâlc; 2018-2022.
- Proiect "Asigurarea echităţii sociale prin extinderea accesului la studii universitare – CNFIS- FDI-0010-2016" Director de proiect: Prof.dr.ing. Liana Hancu, Perioada de derulare 2016-2018.

Projects Research contracts coordinated as a director/responsible

- Contract cu mediul socio-economic, Nr. UTCN 38531/14.11.2031, Nr. DMCDI TN 193/14.11.2023, "Cercetări experimentale privind sudarea structurilor metalice complexe, prin procedeul MIG/MAG", Buget 26.000 lei.

Other activities

- Reviewer for: Journal of Engineering Manufacture, Rapid Prototyping Journal, Materials and Design și Modern Technologies in Manufacturing (MTeM);
- Member of Asociația Universitară de Inginerie Industrială (AUIF).

Cluj-Napoca, 09.01.2024
Ș.I. Dr. Ing. Popescu Adrian-Constantin

