

INFORMAȚII PERSONALE **Păcurar Ancuța Carmen**



POZIȚIA **Sef de lucrari**
Universitatea Tehnica din Cluj-Napoca, Facultatea Constructii de Masini
Departamentul Ingineria Fabricatiei

EXPERIENȚA PROFESIONALĂ

- 2012 - prezent **Sef de lucrari**
 Universitatea Tehnica din Cluj-Napoca, Facultatea de Inginerie Industrială, Robotică și Managementul Producției (Construcții de Mașini) , Departamentul Ingineria Fabricației
 - Activitati didactice si de cercetare
- 2008 - 2012 **Tipul sau sectorul de activitate** Inginerie Industriala
Asistent
 Universitatea Tehnica din Cluj-Napoca, Facultatea Constructii de Masini , Departamentul Ingineria Fabricatiei
 - Activitati didactice si de cercetare**Tipul sau sectorul de activitate** Inginerie Industriala

EDUCAȚIE ȘI FORMARE

- 2004 - 2011 **Doctor**
 Universitatea Tehnica din Cluj-Napoca
 - Teza de doctorat: „Contributii privind implementarea sistemelor de mentenanta computerizata”,
 Coodonator Stiintific Acad.dr.ing. Csaba Gyenge
 Domeniul Inginerie Industriala
- 2005 - 2006 **Studii Aprofundate**
 Universitatea Tehnica din Cluj-Napoca, Specializarea „Proiectarea Asistată a Tehnologiilor Moderne”
 Domeniul Inginerie Industriala
- 2003 **Studii de Pedagogie**
 Certificat de absolvire a Departamentului pentru Pregatirea Personalului Didactic , Universitatea Tehnica din Cluj-Napoca
 Domeniul Inginerie Industriala
- 1999 - 2004 **Studii de Licenta**
 Universitatea Tehnica din Cluj-Napoca, Facultatea Constructii de Masini, Specializarea „Ingineria si Managementul Sistemelor de Productie”
 Domeniul Management Industrial

COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	B2	B2	B2	B2	B2
Spaniola	B2	B2	B2	B2	B2

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

- Abilitati de comunicare

Competențe organizaționale/manageriale

- leadership (în prezent, sunt responsabilă a unor grupuri de studenti)

Competențe dobândite la locul de muncă

- Microsoft Office™ tools, AUTOCAD, SolidWorks, CATIA, SimaPro

Permis de conducere

- B

INFORMATII SUPLIMENTARE

Activitati didactice

- Tehnologii de Fabricatie
- Tehnologii de Asamblare
- Proiectare pentru Mediu
- Tehnologia Fabricării Mașinilor și Utilajelor
- Ingineria Proceselor de Asamblare
- Distribuția Mărfurilor Industriale

Carti

- Domnita Fratila. Adrian Radu, **Ancuta Pacurar**, Razvan Pacurar s.a. -Tehnologii de Fabricatie – Îndrumator pentru lucrari de laborator, U.T.PRES, Cluj-Napoca, 2011, ISBN 978-973-662-626-5.
- Csaba Gyenge, **Ancuța Păcurar**, Nicolae Bâlc, Răzvan Păcurar, “Tehnologii și echipamente de asamblare”, Editura Tehnică Info Chișinău, 2015, pag.300, ISBN 978-9975-63-383-3.
- Răzvan Pacurar, **Ancuța Păcurar**, capitolul “Applications of the Selective Laser Melting Technology in the Industrial and Medical Fields”, publicat in cartea „New Trends in 3D Printing”, edited by: dr. Igor V Shishkovsky, Open-access book, IN-Tech Publishing House, Rijeka, Croatia, 2016, 26 pages, ISBN 978-953-51-4668-1.
- **Ancuța Păcurar**, “ Applications of Design for Manufacturing and Assembly”, editata de Ancuta Pacurar, IN-Tech Publishing House, Rijeka, Croatia, 2019, pag.90, DOI: 10.5772/intechopen.75475, ISBN: 978-1-78984-936-3, Print ISBN: 978-1-78984-935-6, eBook (PDF) ISBN: 978-1-83881-825-8.
- **Ancuța Păcurar**, chapter “Applications of Design for Manufacturing and Assembly”, published in the book entitled “Applications of Design for Manufacturing and Assembly”, published by IN-Tech Publishing House, Rijeka, Croatia, 2019, pag.5, DOI: 10.5772/intechopen.75475, ISBN: 978-1-78984-936-3, Print ISBN: 978-1-78984-935-6, eBook (PDF) ISBN: 978-1-83881-825-8.
- **Ancuța Păcurar**, “ Cercetari privind metodele de mentenenta”, Editura Risoprint, Cluj-Napoca, 2021, pag.230, eBook (PDF) ISBN 978-973-53-2710-1.
- **Ancuța Păcurar**, Tehnologii de asamblare - Îndrumator de laborator,Editura Risoprint, Cluj-Napoca, 2021, pag.70, eBook (PDF) ISBN 978-973-53-2711-8.

Publicații reprezentative

- **Ancuța PACURAR**, Csaba GYENGE, Annamaria RAFA, Experimental Research Regarding The Application Of The Predictive Maintenance Procedure Within Paper Industry, ACTA TECHNICA NAPOCENSIS of the Technical University of Cluj-Napoca, Applied Mathematics and Mechanics, Vol.55, ISSUE I, Cluj-Napoca, pag. 215-220, ISSN 1221-5872, 2012.
- R.Pacurar, **A. Pacurar**, P. Berce, N.Balc, O. Nemes, "Porosity Change By Resin Impregnation In Structures Obtained By Selective Laser Sintering Technology, Studia UBB Chemia, LVII, 3, pp. 5-13, 2012 (ISI- Science Citation Index Expanded (SciSearch®, factor de impact: 0,129).
- R Păcurar, **A Păcurar**, "Finite Elements Analysis to Improve the Accuracy of Parts Made by Stainless Steel 316L Material Using Selective Laser Melting Technology", Applied Mechanics and Materials, volume 657, pp. 236-240, 2014.
- **Pacurar, Ancuța**; Pacurar, Razvan; Eross, Beata By.; et al.: Decreasing of the manufacturing time for a thermoforming mold by applying the DFM principles. 13th International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC), Cluj Napoca, Book Series: MATEC Web of Conferences Volume: 137 Article Number: UNSP 01008, 2017.
- Pacurar, Razvan; **Pacurar, Ancuța**; Balc, Nicolae: Research on the mechanical behaviour of an airplane component made by selective laser melting technology, 4th International Conference on Computing and Solutions in Manufacturing Engineering (CoSME), Brasov, Book Series: MATEC Web of Conferences Volume: 94 Article Number: UNSP 03012, 2017.
- R Pacurar, **A Pacurar**, S Pop, Designing of an innovative extrusion system for metallic parts made by desktop 3D printing method, MATEC Web of Conferences vol. 178, 02009 (2018) <https://doi.org/10.1051/mateconf/201817802009> IManE&E 2018.
- **Ancuța Păcurar**, Monica Rău, Răzvan Păcurar, Eugen Guțiu, Laura Bacali, Cosmin Cosma, Research regarding the design and manufacturing of hand orthosis by using Fused Deposition Modeling technology, MATEC Web of Conferences vol. 299, 01008 (2019), <https://doi.org/10.1051/mateconf/201929901008> MTeM 2019.
- Răzvan Păcurar, Valentin Buzilă, **Ancuța Păcurar**, Eugen Guțiu , Sergiu Dan Stan, Petru Berce, Research on improving the accuracy of FDM 3D printing process by using a new designed calibrating part, MATEC Web of Conferences vol.299, 01007 (2019), <https://doi.org/10.1051/mateconf/201929901007> MTeM 2019.
- **Ancuța PACURAR**, Răzvan PĂCURAR, Beáta ERŐSS, Cristina MIRON-BORZAN, Optimal Tool Path Strategies For Decreasing The Manufacturing Time Of One Thermoforming Mold, ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 64, Issue I, March, 2021.
- R Păcurar, B Danci, **A Păcurar**, Research on optimal scaling of parts made from stainless steel material by Selective Laser Melting, 2021 9th International Conference on Modern Power Systems (MPS), IEEE Xplore, 16-17 June 2021, Cluj-Napoca, Romania, 2021, DOI:10.1109/MPS52805.2021.9492672;
- **Pacurar, A.**, Tomsea, A., Vilau, C., Gutiu, E., Pacurar, R., Designing and manufacturing of an ankle orthosis using 3D printing technology, Acta Technica Napocensis Series-Applied Mathematics Mechanics And Engineering 2021, Vol 64, Issue 4, Page 561-564, ISSN1221-5872, WOS:000731519800006;
- Pacurar, R., Chincisan, D., Vilau, C., **Pacurar, A.**, Designing and manufacturing of an internal combustion engine connecting rod made of ALSI10MG material using selective laser melting technology, Acta Technica Napocensis Series-Applied Mathematics Mechanics And Engineering 2021, Vol 64, Issue 4, Page 547-552, ISSN1221-5872, WOS:000731519800004.

- Proiecte**
- Proiect de cercetare 2003-2006 „Implementation of the risk based maintenance concept within the industrial companies from Transilvania region”, Sapientia Foundation from Cluj-Napoca. Director de proiect: Prof.Dr.Ing. Gyenge Csaba
 - Proiect CNCSIS, cod 1546, 2007-2008: „Research on life cycle stage optimisation of the products and processing by ecological cutting technology of the parts. CNCSIS 1546/2007. Director de proiect: Prof.dr.eng. Ros Olimpia.
 - Proiect Complex exploratory research project (2010-2013): “New type of biocompatible materials for the customized medical implants made by SLS and SLM technologies (BIOMAPIM)”, Project director: Prof.dr.eng. Petru Berce
 - Proiect HORIZON 2020 TWINNING -2016-1019:„Boosting the scientific excellence and innovation capacity in additive manufacturing of the TUCN – AMaTUC”, research budget: 1.000.000 euro. Director proiect: prof.dr.ing. Nicolae Balc.
 - Contract cu tertii nr.14196 / 2021 „Cercetări privind proiectarea și fabricația a unor ambalaje ecologice” Director de contract: Ancuta Pacurar.
 - Proiect Erasmus+ KA 203 „Development of mechatronics skills and innovative learning methods for Industry 4.0”, 18.03.20-01.07.2020 și 09.11.2020-31.03.2021. Director de proiect: Conf dr.ing. Sergiu Dan Stan.
 - Proiect H2020 - SMART2/2019 „Advanced integrated obstacle and track intrusion detection system for smart automation of rail transport” nr. 881784/2019, 01.02.2022-31.03.2022. Director de proiect: Conf dr.ing. Sergiu Dan Stan.

ANEXE

Cluj-Napoca, 28.05.2022

Sl.dr.ing. Păcurar Ancuța Carmen