PERSONAL INFORMATION

CECLAN VASILE ADRIAN

JOB APPLICATION THE POSITION DESIRED WORKPLACE

Associate Professor pozition 27/ Manufacturing Engineering Department / Faculty of Industrial Engineering, Robotics and Production Management / Technical University of Cluj-Napoca

WORK EXPERIENCE

2016 - Present — **Lecturer**

Technical University of Cluj-Napoca, Machine Building Faculty, Department of Manufacturing Engineering

Web page: www.tcm.utcluj.ro
Main activity: Teaching and Research
Domain: Industrial Engineering

2011 - 2016 — **Teaching Assistant**

Technical University of Cluj-Napoca, Machine Building Faculty, Department of Manufacturing Engineering

Main activity: Teaching and Research
Domain: Industrial Engineering

2010 - 2013 — **Postdoctoral Researcher**

Technical University of Cluj-Napoca, Machine Building Faculty, Department of Manufacturing Engineering

Main activity: Research
Domain: Industrial Engineering

EDUCATION AND TRAINING

2006 - 2010 — **Ph.D. - in Industrial Engineering Field**

Technical University of Cluj-Napoca, Machine Building Faculty, Manufacturing Engineering Department

PhD Thesis : "Theoretical and Experimental Research on Hydroformed Tubes".

2006 - 2007 — **Master's degree studies**

Technical University of Cluj-Napoca, Machine Building Faculty ,

Specialization: Modern Technologies for the Manufacture of Plastic and Composite Parts.

2002 - 2005 — **Psycho-pedagogical Training Module**

Technical University of Cluj-Napoca, Psycho-pedagogical specialized Department ,

Psychology, pedagogy, teaching methods

2001 - 2006 — **Academic studies (Engineer)**

Technical University of Cluj-Napoca, Machine Building Faculty ,

Specialization: Manufacturing Engineering

1997 - 2001 — **High school studies**

Industrial Transport CF School Group, from Cluj-Napoca,

Specialization: Electromechanical Locomotives.

PERSONAL SKILLS

Native language: Romanian

Foreign languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	A1	A1	A1	A1	A1

Communication Skills
- Sociable, good communication skills, responsible, creative

SCIENTIFIC EXPERIENCE
- Involved in several national and international projects;
- Member of the organizing committee of the MTeM conference;
- Member of the commission for completing studies at the bachelor's / master's degree;
- Member of the admission committee for students / master students.

Computer skills
- Use of bending and hydroforming technologies for tubular parts;
- Manufacture of parts using CAD \ CAM methods;
- Use of manufacturing technologies for parts ;

Competenţe informatice
- Use of Computer Aided Design software: SolidWorks, Inventor, Catia;
- Use of Virtual Manufacturing software: SolidCAM, Catia;
- Use of Finite Element Analysis software: SolidWorks Simulation, Abaqus;
- Microsoft Office™

Other skills
- Professional Electromechanical Certificate ;

Driver license
- Category B and C since 2000

ADDITIONAL INFORMATION

Activities in academic community
- Participation in workshops, summer schools: FH Aachen - Germany and Loughborough University-UK, study visits, students'practical work, etc.;
- Study visits during Ceepus Program : Technical University of Viena – Austria; University of Praga – Czech Republic ; Technical University of Ostrava – Czech Republic ; University of Trnava – Slovakia ; Technical University of Presov – Slovakia; Technical University of Poznan – Poland ; University of Miskolc – Hungary ; University of Slavoski Brod – Croatia; University of Novi Sad – Serbia.
- Member of engineering scientific organization „Asociaţia Universitara de Ingineria Fabricaţiei (AUIF);
- Member in organizing comittee of various events (International Conference on Modern Technologies in Manufacturing, organized by Manufacturing Engineeing Department);
- Involved in students work, within the bachelor's and dissertation projects .

RESEARCH PROJECTS
(Reprezentative projects)

1. Research Project: " *Cercetări privind îmbunătățirea procesului de fabricației a reperelor de tip „braț" pe echipamentul de frezare CNC Victor Vcenter 205*", Contract no.: 13220/06.05.2022, Beneficiary: ALVI TECHNIK S.R.L., **Project coordinator: S.L.dr.ing. Vasile Ceclan**
2. Postdoctoral Project: **4D-POSTDOC, contract no.: POSDRU/89/1.5/S/52603**, " *Research on hydroforming of tubular parts* ", Period: 2010-2013, **PostDoctoral Research: dr.ing. Vasile Ceclan.**

Member of international research projects :

3. **HORIZON 2020 Project** – **DiCoMI**, "*Directional Composites through Manufacturing Innovation*", GA No. 778068, Period: 01.03.2018 – 28.02.2022, TUCN Coordinator: Prof. Nicolae Bâlc. (http://www.dicomi.eu/)
4. **HORIZON 2020 Project** – **AMaTUC**, "*Boosting the scientific excellence and innovation capacity in additive manufacturing of the Technical University of Cluj-Napoca*", No. 691787/2016, Period: 01.01.2016 – 30.12.2018, Coordinator: Prof.dr.eng. Nicolae Bâlc; (http://www.amatuc.com);
5. **FP7 Project** – **Adm-ERA**, "*Reinforcing Additive Manufacturing research cooperation between the Central Metallurgical Research and Development Institute and the European Research Area*", no. 295016, Period: 01.10.2011 – 01.10.2013, TUCN Coordinator: Prof.dr.eng. Nicolae Bâlc; (http://www.fp7-admera.org);

Member of national research projects :

6. UEFISCDI, **Bridge Grant** – **PreMCo**, "*Dezvoltarea posibilităţilor de prelucrare a materialelor compozite avansate prin tăiere de precizie cu jet de apă*", UEFISCDI No. 99BG/2016, Period: 01.10.2016-30.09.2018, Coordinator: Lect.dr.eng. Alexandru Popan; (http://www.premco.utcluj.ro);
7. UEFISCDI **PPH 2020 Project**, „Suport ANaTUC", no.11/2016, Period 2016-2018, Coordinator: Prof.dr.ing. Bâlc Nicolae;
8. UEFISCDI, National Grant **PCCE – BIOMAPIM,** "*New Biocompatible Materials for customized implants made by SLS and SLM*", Contract No. 5/2010, Period: 2010-2013, Consortium Coordinator: Prof.dr.eng. Petru Berce;
9. UEFISCDI, National Grant **CEEX**, " *Intelligent cold plastic deformation processing systems in modular constructions*", UEFISCDI Contract No. 24 /2005, Period: 2005-2007, , TUCN Coord: Prof.dr.ing. Gh. Achimas.

PUBLICATIONS
(Reprezentative articles)

Scientific articles published/presented in journals or international conference proceedings (over 60 scientific papers, including 18 ISI papers and 21 papers registered in international data bases):

1. **Ceclan V**., Popan I.A., Grozav S., Popan A.I., "*Study on milling strategies influence on the quality characteristics in case of composite material*", 14th International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC), Cluj-Napoca, Romania, Oct 2019, Modern Technologies in Manufacturing, MATEC Web of Conferences, Vol 299, Article Number: 04012, WOS:000568128200047, ISBN978-2-7598-9083-5, ISSN2261-236X, DOI: 10.1051/matecconf/201929904012

2. **Ceclan V.**, Grozav S., "*Determination of the force required for the hydroforming of al 99,5*", Conference: 3rd International Scientific Conference on Innovative Technologies in Engineering Production (ITEP) Location: Bojnice, SLOVAKIA Date: SEP 11-13, 2018, Innovative Technologies In Engineering Production (Itep'18) Book Series: MATEC Web of Conferences Volume: 244 Article Number: 01003 Published: 2018;

3. **Ceclan V.A.,** Grozav S.D., Kuric I., "*Research on Inner Surface of Tubes Hydroformed" Advances in Science and Technology*", Research Journal, Volumul 11, no,4, pp. 311-317, DOI: https://doi.org/10.12913/22998624/80900 2017;

4. **Ceclan V.A**., Bere P., Borzan M., Grozav S., Borzan C., "*Development of Environmental Technology for Carbon Fibre Reinforced Materials Recycling*", Revista de MATERIALE PLASTICE, vol 50, nr 2, 2013 pag. 79;
5. Grozav S.D., Sterca A.D., Kociško M., Pollák M. and **Ceclan V**., "*Feasibility of Predictive Models for the Quality of Additive Manufactured Components Based on Artificial Neural Networks*", MACHINES, Volume 10, Issue 2, DOI: 10.3390/machines10020128, https://www.mdpi.com/2075-1702/10/2/128, 2022;
6. Serban F.M., Grozav S., **Ceclan V.,** Turcu A., "*Artificial neural networks model for springback prediction in the bending operations"*, TEHNICKI VJESNIK - TECHNICAL GAZETTE, Volume 27, Issue 3, Pages: 868-873, Published: Jun 14, Repository link: https://hrcak.srce.hr/239096, 2020
7. Popan A., Popan I.A., Cosma C., **Ceclan V.,** Balc N., "*Experimental study 3D printed parts made of continuous fiberglass reinforced polymer*", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 64, No 1, 2021, pp. 81-86, 2021, ISSN 1221-5872, Published by UT Press, Repository link: https://atna-mam.utcluj.ro/index.php/Acta/article/view/1556;
8. Pollak M., Kocisko M., Petrus J., Grozav S.D., **Ceclan V.**, "*Research into the Impact of Spindle Speed and Feed Rate Changes on the Life of a Deep-Drilling Technology Tool*", MACHINES, Volume 10, Issue 4, DOI: 10.3390/machines10040268, Repository link: https://www.mdpi.com/2075-1702/10/4/268, 2022;
9. Borzan C.S.M., Dudescu M.C., **Ceclan V.,** Trif A., Ridzon M., Berce P., "PA 2200 vs. PMMA: Comparison Between the Mechanical Proprieties Obtained for the 2 Biocompatible Materials", MATERIALE PLASTICE Vol 53 No1 pp 1-5, (2016), ;
10. **Ceclan V.A.,** Bâlc N., Grozav S., Bere P., Borzan C.S., "*Quality of the hydroformed tubular parts*" Advanced Engineering Forum Vols. 8-9 (2013) pp 215-224, Online available since 2013/Jun/27 at www.scientific.net, © (2013) Trans Tech Publications, Switzerland, doi:10.4028 /www.scientific.net /AEF.8-9.215

Cluj-Napoca, 08.06.2022

Lect. dr. eng. Vasile Adrian CECLAN