





## PERSONAL INFORMATION




## Emilia CÂMPEAN

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Cluj-Napoca, 400636, România  
 +4 0743780496

Gender | F |  
Date of birth | 15.08.1985 |  
Nationality | Romanian |

## INSTITUTION

Technical University of Cluj-Napoca, Romania

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 Emilia.campean@campus.utcluj.ro  
 <https://www.utcluj.ro/>  
<https://tr.utcluj.ro/>



Web of Science



Google Scholar

Web of Science ResearcherID: B-5773-2015  
Scopus ID: 55513703100  
ORCID:  
<https://orcid.org/0000-0003-1378-1996>

Web of Science  
H index = 4  
29 citations

Scopus  
H index = 4  
23 citations

Google Scholar  
H index = 6

<b>2020-present</b>	<b>Council Member of the Faculty of Industrial Engineering, Robotics and Production Management</b> Technical University of Cluj-Napoca Str. Memorandum no. 28, Cluj-Napoca, 400114, Cluj-Napoca, <a href="http://www.utcluj.ro">www.utcluj.ro</a> Approves the strategy of the Faculty, the didactic and scientific programs in accordance with the general strategy of the Technical University of Cluj-Napoca and implements the decisions of the Senate and the Board of Administration, approves the Education Plans of the Faculty for all education cycles (bachelor's, master's and doctoral ), postgraduate study programs and training programs for teachers in pre-university education Type or sector of activity: Higher education
<b>2020 - present</b>	<b>Assistant professor</b> Technical University of Cluj-Napoca, Str. Memorandum no. 28, Cluj-Napoca, 400114, Cluj-Napoca, <a href="http://www.utcluj.ro">www.utcluj.ro</a> Teaching and research activity Course holder: Automatic machine tools I, Automatic machine tools II, Machines, robots and equipment in flexible manufacturing systems I, Machines, robots and equipment in flexible manufacturing systems II, Policies and Mechanisms in the field of quality, Six Sigma. Type or sector of activity: Higher education
<b>2014 - 2020</b>	<b>Lecturer</b> Technical University of Cluj-Napoca, Str. Memorandum no. 28, Cluj-Napoca, 400114, Cluj-Napoca, <a href="http://www.utcluj.ro">www.utcluj.ro</a> Teaching and research activity Type or sector of activity: Higher education

## EDUCATION AND TRAINING

<b>2022</b>	<b>SolidWorks Advanced course</b> SC CADWorks SRL, Craiova Certificate of participation
<b>2022</b>	<b>Babson College Symposium for Entrepreneurship Educators, entrepreneurship course</b> Babson College, 231 Forest St, Wellesley, MA 02481, USA Certificate of participation
<b>2021</b>	<b>Junior Achievement Romania entrepreneurship course</b> Junior Achievement Romania Certificate of participation
<b>2020</b>	<b>External auditor of the quality management system according to ISO 9001:2015 and ISO 19011:2018</b> SRAC Servicii Grup, Bucuresti, str. Vasile Parvan nr 14, Bucuresti Certificate of participation
<b>2019</b>	<b>Six Sigma Black Belt Professional</b> Management and Strategy Institute, 3947 W Lincoln Hwy, Downingtown, PA Certificate of participation
<b>2014</b>	<b>Sinumerik Milling trainer certification</b> Siemes AG, 91058 Erlangen, Germany Certificate of participation

2012	<b>Doctor's degree in Engineering and management</b> Technical University of Cluj-Napoca, Cluj-Napoca Topic: Studies and researches regarding the management of stocks
2011	<b>Master degree in Engineering and Quality Management</b> Technical University of Cluj-Napoca, Cluj-Napoca Engineering and Quality Management
2004-2009	<b>Diplomate Engineer</b> Technical University of Cluj-Napoca, Cluj-Napoca Section - Industrial Economic Engineering : The basics of computer-aided technological design, Technical drawing and infographics, Modeling and simulation of economic systems, Machines, robots and equipment for flexible manufacturing systems
1993-1997	<b>High school diploma</b> Programmer certificate IT High School "Tiberiu Popoviciu", Calea Turzii 140-142, Cluj-Napoca 400495, <a href="http://www.li.cj.edu.ro">www.li.cj.edu.ro</a>

**PERSONAL SKILLS**

Language (s) default (s)	Romanian				
	UNDERSTANDING		SPEAKING		WRITING
Other known foreign languages	Listening	Reading	Participating in the conversation	Oral speech	
English	B1	B1	B2	B1	B1
French	A1	A1	A2	A2	A1

**COMMUNICATION SKILLS**

14 years in the academic environment demonstrates the ability to communicate in a clear, effective and efficient way. Being able to communicate effectively proved to be essential for both individual and team success into the projects I was involved. The ability to listen and understand other people needs, others' viewpoints and emotions, (student needs) is important for enrolling them into our courses.

**ORGANIZATIONAL SKILLS**

Member of the implementation teams of more than 10 projects  
Organising committee for 4 international conferences  
Responsible for Machine Tools laboratory  
Ability to manage and lead projects/ group of people  
Ability to adapt to change  
Ability to solve problems

**SKILLS ACQUIRED AT THE WORKPLACE**

- CNC machining
- CNC programming
- knowledge of assisted modeling
- quality techniques
- Six Sigma methodology
- Lean manufacturing methodology

**COMPUTER SKILLS**

- SolidWorks – advanced level
- CamWorks - advanced level
- AutoCad - advanced level
- SprutCam – medium level
- SigmaFlow modeler – medium level
- Qualica QFD – advance level
- SSCNC -advance level

**10 MOST CITED SCIENTIFIC PAPERS**

- Characterization of a thermoforming composite material made from hemp fibers and polypropylene, E Ciupan, L





Universitatea  
„Ștefan cel Mare”  
din Suceava



INCDTIM

- Lăzărescu, I Filip, C Ciupan, **E Câmpean**, I Cionca, E Pop, MATEC Web of Conferences 137, 08003, 2017 (15 citations)
- **Opportunities of sustainable development of the industry of upholstered furniture in Romania. A case study**, E Ciupan, C Ciupan, **EM Câmpean**, L Stelea, CE Policsek, F Lungu, Sustainability 10 (9), 3356, 2018 (10 citations)
  - **Workspace generation for a 2-DOF parallel mechanism using neural networks**, **E Campean**, TP Itul, I Tanase, A Pisla, Applied Mechanics and Materials 162, 121-130 (8 citations)
  - **Aspects regarding some simulation models for logistic management**, **EM Campean**, L Morar, P Baru, C Bordea, D Pop, Procedia Economics and Finance 3, 1036-1041, 2012 (8 citations)
  - **A new approach of the design process for replacing wooden parts of furniture**, C Ciupan, E Pop, I Filip, E Ciupan, **E Câmpean**, I Cionca, V Heres, MATEC Web of Conferences 137, 06002, 2017, (7 citations)
  - **Comparative analysis of different ribs used to rigidize the resistance structure of a sofa side made of composite materials based on vegetable fibers**, C Ciupan, M Steopan, POP Emanuela, **E Campean**, I Filip, EC CIUPAN, ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS and ENGINEERING, 2018, (6 citations)
  - **Workspace identification using neural network for an optimal designed 2-DOF orientation parallel device**, I Tanase, T Itul, **E Campean**, A Pisla, New Trends in Mechanism and Machine Science: Theory and Applications in Engineering, 2013, (4 citations)
  - **Experimetal modal analysis of a milling machine spindle-tool holder-cutter assembly**, POP Dumitru, L MORAR, **E CÂMPEAN**, I TĂNASE, ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING 2012, (4 citations)
  - **The Influence of Changes in Customer's Technology Portfolio on Supplier's Organization**, Business Informatics (CBI), LC Adrian, L Morar, **E Câmpean**, 2014 IEEE 16th Conference on 2, 124132, 2014, (3 citations)
  - **Productivity of DMUs: A proposed framework**, I Dincuță-Tănase, C Bordea, **E Câmpean**, D Pop, Procedia Economics and Finance 15, 943-950, 2014, (3 citations)

## BOOKS

- L.Morar, C.Pop, D.Pop, S.Bogdan, **E.Campean**, G.Muresan, **Guide for laboratory works for the disciplines associated with numerical control**, Vol.1, Utpress, Cluj Napoca, ISBN 978-973-662-661-6, 2011
- L.Morar, D.Pop, **E.Campean**, I.Tanase, **Guide for laboratory works for the disciplines associated with numerical control**, Vol. 2, Utpress, Cluj Napoca, ISBN 978-973-662-662-3
- L.Morar, S.Bogdan, **E.Campean**, D.Pop, N.Ursa, G.Muresan, **Guide to design numerical axis**, UTPress, Cluj Napoca, ISBN 978-973-662-740-8
- L. Morar, **E. Campean**; **Machine tools with numerical control, course support**; Cluj Napoca; UTPRESS; 2015; ISBN 978-606-737-062-1
- L. Morar, **E. Campean**; **Numerical equipment programming, course support**; Cluj Napoca; UTPRESS; 2015; ISBN 978-606-737-081-2
- L. Morar, R. Breaz, **E. Campean**, **Manual and computer-assisted programming of numerical equipment**; Cluj-Napoca: Casa Cartii de Stiinta, 2014
- E. Pop, C. Ciupan, **E. Campean**, M. Steopan – **Machine Tools. Instructor of laboratory work**, Editura U.T. Press, Cluj-Napoca, 2016, ISBN 978-606737-213-7
- L. Morar, I. Abrudan, F. Lungu, **E. Campean**, M. Ciorte, S. Dan, **Theory and practice of manufacturing systems**, 2016, Editura Digital Data Cluj, ISBN 973776892-2
- **E. Campean**, L. Morar, S. Tripon, **Machine tools with numerical control: laboratory guide**, UTPress, Cluj Napoca, 2019, ISBN 978-606-737-393-6
- **E.Campean**, L. Morar, Dincuta Tanase Ionela, Dan Simion, **The Basics of Flexible Manufacturing Systems**, UTPress, Cluj Napoca, 2019,

## PATENTS OF INVENTION

1. **METHOD OF DESIGNING THE PARTS OF THE STRUCTURE OF AN UPHOLSTERED FURNITURE**, Ciupan Cornel, Filip Ioan, Ciupan Emilia, Pop Emanuela, **Campean Emilia**, Cionca Ioan, Heres Vasile, **Patent number: RO A/10065/12.10.2017**

## PROJECTS

- **Circular Innovation Hub**, project acronym CI Hub, DRP0200388 (Interreg 2024), financed by European Union, Interreg programmes, 2024-2026, budget 109890 euro, project director
- **SCIENCE4FUTURE-III**, HORIZON-MSCA-2023-CITIZENS-01-01 (HORIZON funds), project no.101162512, 2024-2026, budget 24000 euro, Project director
- **Danube Chance 2.0: Embracing failure to facilitate second-chance entrepreneurship in the Danube region**, project acronym DC 2.0, 679/24.07.2018 - DTP2-012-1.2, 2018-2021, budget 162373 euro, project director
- **Student idea BOUNcing CompEtition**, project acronym BOUNCE, JAR2020\_015/28.04.2020, 2020, financed by Junior Achievement Romania, budget 20000 lei, project director
- **The design and optimization of the sofa sides in order to be made by thermopressing from composite**



materials based on vegetable fibers, project acronym SOFACOMP, PN-III-P2-2.1-PTE-2016-0179, 2016-2018, budget 835521 lei, project director Dr. Ciupan Emilia, 5 scientific papers published

- **Supporting access to an engineering career for students in risky situations from the Faculty of Mechanical Engineering-ACESTEHNIC**, Project on Secondary Education project acronym ROSE, Grant agreement no. 29/SGU/NC/I from 17.10.2017, project director Prof.Dr.Eng. Bacali Laura
- **Transnational Cooperation to transform knowledge into marketable products and services for the Danubian sustainable society of tomorrow** - Made in Danube (MiD), DTP1-1-072-1.1, 2017-2019, project director Prof.dr.Eng. Sorin Popescu, budget 100.500,00 EUR, 3 articles published
- **UTCN students - Entrepreneurs in the Digital World**, acronym SALT, CNFIS-FDI-2019-0579, project director Anca Constantinescu, 2019-2024, budget 237974/ year, 1 book chapter published



## CONFERENCES / JOURNALS

- Member of the organizing committee of the **International Conference on Quality and Innovation in Engineering and Management**: 2018, 2023
- Member of the organizing committee of the **DSMIE- conference: International Conference on Design, Simulation, Manufacturing**, 2023, 2024
- Member of the organizing committee of the **MANUFACTURING 2024 Conference**



## AWARDS

- Diploma and Gold Metal, Ciupan Emilia, Pop Emanuela, **Campean Emilia**, International Exhibition INVENTCOR 3rd Edition 15-17.12.2022, Deva, Thermoforming Process of Samples Made of Composites Materials with Plant Fibers and Polypropilene
- grant award for the paper Pop Emanuela, **Campean Emilia**, Braga Ion Cristian (MASTERAND), Ispas Darius, New Product Development of a Robotic Soldering Cell Using Lean Manufacturing Methodology, SUSTAINABILITY, eISSN: 2071-1050, Volume14, Issue21, Article Number14057, DOI10.3390/su142114057, Published NOV 2022

Cluj-Napoca  
08.03.2024

Assoc. Prof.Emilia Câmpean, Ph.D.

