

PERSONAL INFORMATION

Corneliu-Nicolae Drugă



✉ druga@unitbv.ro;

Sex Male | Date of birth | Nationality Romanian

WORK EXPERIENCE

01.03.2013-present

Lecturer

Transilvania University of Brasov, Faculty of Product Design and Environment, Department of Product Design, Mechatronics and Environment, str. Colina University No.1, Body D, www.unitbv.ro

- training and mentoring students in specializations: Mechatronics, Optometry and Medical Engineering

Business or sector: Teaching activities, Complementary educational activities. Research activities.

01.09.2011- 01.03.2013

Assist.Prof.Eng.

Transilvania University of Brasov, Faculty of Product Design and Environment, Department of Product Design, Mechatronics and Environment, str. Colina University No.1, Body D, www.unitbv.ro

- training and mentoring students in specializations: Mechatronics, Optometry and Medical Engineering

Business or sector: Teaching activities, Complementary educational activities. Research activities.

01.10.2003- 01.09.2011

Assist.Prof.Eng.

Transilvania University of Brasov, Faculty of Mechanical Engineering, str. Vlad Tepes No.16, Body M, www.unitbv.ro

- training and mentoring students in specializations: Mechatronics, Optometry and Medical Engineering

Business or sector: Teaching activities, Complementary educational activities. Research activities.

EDUCATION AND TRAINING

01.10.2001-08.10.2011

Diploma PhD

Level EQF: 8

Title of thesis: Contributions to the Study of operation the prothetic elements

Supervisor: Prof.Dr.Eng. Ileana Rosca

Transilvania University of Brasov, Romania

- Biomechanics & Bio-thribology;
- CAD & FEA;
- Sensors & Transducers;
- Statistical Processing & Reliability.

01.10.1998- 30.06.1999

Master's degree

Level EQF: 7

Domain: Mechanical Engineering;

Specialization: Fine mechanical structures for the management of technical systems.

- Transilvania University of Brasov, Faculty of Mechanics, Romania
- Sensors and Transducers;
- Intelligent pneumatic and hydraulic actuators,
- Artificial Intelligence.

01.10.1993 – 30.06.1998

Diploma Engineer

Level EQF: 6

Department of Fine Mechanics and Mechatronics;

Specialization: Computer Peripheral Equipment and Medical Equipment.

- Transilvania University of Brasov, Faculty of Mechanics, Romania
- Apparatus and measuring systems; Hydro-pneumatic automation equipment; Management; Microprocessors; Sensors and transducers; Mechanisms; Actuators in mechatronics.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B2	B2
Certificate of Proficiency - English. No. 220 of 31.01.2008.					
Italian	A1	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ Excellent communication skills gained through their own experience: tutor of students (1 year) assistant manager, homeowners association president, responsible for maintenance of sewing machines etc.

Organisational / managerial skills ▪ Ability to coordinate a number of teaching and research activities of the Department, involving students, master and doctoral young.
 ▪ Ability to work in a team.
 These skills have been acquired since student days, then during doctoral research, but also in the activities at the Department MFM and Dep. DPMM.

Job-related skills ▪ Ability to use equipment of the Department (eg Kistler platform, platform Foot Scan Elite Dimension rapid prototyping machine, coordinate measuring machine DEA Global scanner the 3D Exascan etc.);
 ▪ The ability to quickly and fluently use Microsoft Office applications (Word, Excel, Power Point) - knowledge acquired during doctoral student and research;
 ▪ Ability to use specific software interfaces experimental results processing type (interface ORIGIN 8, Matlab) - knowledge acquired in doctoral studies.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Other skills ▪ Computer graphics.
 ▪ FEA-Finit Element Analysis

Driving licence Category:B

ADDITIONAL INFORMATION

- Courses
- Cristea L., **Drugă C.**, *Automate bancare și de servire*, Ed. Transilvania Univ. of Brașov, 2003,
 - **Drugă C.**, Braun B., Cojocaru A., *Bazele utilizării calculatoarelor, vol.I*, Ed. Transilvania Univ. of Brașov, 2007,
 - **Drugă C.**, Cojocaru A., *Senzori și traductoare electrice*, Ed. Transilvania Univ. of Brașov, 2009,
 - Radu C., Roșca I., **Drugă C.**, Cismaru M., *Biomecanică și mecatronica sistemelor biomecanice*, Ed. Transilvania Univ. of Brașov, 2009,
 - Ionescu E., **Drugă C.**, *Introducere în hidraulică*, Ed. Transilvania Univ. of Brașov, 2009,
 - **Drugă C.**, *Ingineria protezării. Protezarea articulației șoldului*, Col. Medical Eng, Ed. Transilvania Univ. of Brașov, 2013.
 - **Drugă C.**, *Bazele fiabilității aparatelor medicale*, Col. Medical Eng, Ed. Alma Mater of Sibiu, 2015.
 - Repanovici A., **Drugă C.**, Roșca I., *Sisteme-Micro-Electro-Mecanice. Îndrumar de laborator*, Col. Medical Eng., Ed. Transilvania Univ. of Brașov, 2015.

ANNEXES

- Publications or research.