





PERSONAL INFORMATION

Alexandru PASCU



-  Codlea, Braşov, Romania
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-  <http://orcid.org/0000-0002-6371-9253>

Sex Male | Date of birth | Nationality Romanian

WORK EXPERIENCE

October 2015 - present

**Professor (Associate professor 2017 - 2021), Lecturer (2015 - 2017)**

Department of Materials Engineering and Welding, Faculty of Materials Science and Engineering, Transilvania University of Braşov

- Head of the research center Advanced Welding Eco-technologies
- Vice dean of Materials Science and Engineering Faculty
- Erasmus+ coordinator of Materials Science and Engineering Faculty
- Teaching courses related with Materials science, Robotics, Welding Engineering and research activities in the field of Industrial Engineering

Business or sector Education and Research

2005-2008

**Production engineer (Buses department)**

S.C. ROMAN SA, No. 5, Poienelor, 500036, Braşov, Romania

- Responsible with welding, design and construction of prototype components in buses manufacturing department;
- Organization of work routines and production schedule;
- Optimisation of production flow;
- Identification of suppliers and acquisition of raw material and consumables for mass production;
- Coordination of a 25 workers team.

Business or sector Automotive industry

EDUCATION AND TRAINING

April 2014 – October 2015

**Postdoctoral**

EQF level 8

Department of Materials Engineering and Welding, Faculty of Materials Science and Engineering, Transilvania University of Braşov

- Fundamental scientific research in the field of laser cladding.

October 2008 – September 2011

**Doctor of Philosophy in Industrial Engineering**

EQF level 8

Department of Materials Engineering and Welding, Faculty of Materials Science and Engineering, Transilvania University of Braşov

- Laser welding technology;
- Thesis title: *Improving or reconditioning metallic surfaces trough coaxial laser cladding with high-alloyed powders.*

October 2009 – September 2011

**Master of Science in Laser Technology**

EQF level 7

E.T.S. de Ingenieros Industriales, Universidad Politécnica de Madrid, Spain

- Laser physics and industrial applications of laser technology;
- Laser welding, cladding and cutting processes.

October 2005 – October 2007

**Master of Science in Welding Engineering**

EQF level 7

Faculty of Materials Science and Engineering, Transilvania University of Braşov

- Materials science, conventional and advanced welding technologies.

October 2000 – June 2005

**Bachelor of Science in Engineering**

EQF level 6

Faculty of Materials Science and Engineering, Transilvania University of Braşov

- Materials science, welding techniques, welding equipments
- WPS – Welding Procedure Specifications.

**PERSONAL SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/2	C1/2	C1/2	B1/2	C1/2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Organisational / managerial skills

- Workshop and seminar organization skills.

Job-related skills

- Engineering – Welding engineering and technology;
- Research – member in 3 national and 6 international research grants;
- Design – Welding technology and procedures;
- Competence in the design, welding process selection and operation of welding equipment, automation, robotics and welding process integration in complex manufacturing systems;
- Familiar with complex tasks and multitasking in the industrial production area

Computer skills

- Hardware knowledge
- Good knowledge of Microsoft Office™ tools (Word™, Excel™, PowerPoint™ and Outlook™)
- Digital image processing - CorelDraw™, PhotoShop™
- Programming –Pascal
- 3D modelling – SolidWorks™
- FEA – COSMOS™, SYSWELD™.

Other skills

- Operator-programming CNC machine (Haemmerle);
- Operator- programming of industrial robots;
- MIG/MAG, TIG, MMA welding skills;
- Flame coating;
- Laser welding and cladding.

Driving license

Category B (2000)

**ADDITIONAL INFORMATION**

Publications  
Projects  
Conferences  
Seminars  
Honors and awards  
Memberships

- Publication of 8 books and more than 50 scientific papers in technical journals;
- Member in 4 national research grants and in 4 international SFERA projects; Director of 3 SFERA type projects (France, Italy);
- Participation at 8 international conferences in the field of industrial engineering;
- Gold medal at the 8th European Exhibition of Creativity and Innovation with handbook entitled *Materials Science and Engineering*;
- Member of Romanian Welding Association.

Date: 26.02.2021

Signature