

PERSONAL INFORMATION



Elena-Manuela STANCIU

 Braşov, ROMÂNIA



 elena-manuela.stanciu@unitbv.ro

 <https://orcid.org/0000-0002-8025-4822>

Sex Female | Date of birth | Nationality Romanian

WORK EXPERIENCE

October 2016 –
present

Full professor (2525 - present), Associate professor (2018 - 2025), Lecturer (2016 - 2018)

Transilvania University of Brasov, 29, Eroilor St., Brasov, Romania

- Department of Materials Engineering and Welding, Faculty of Materials Science and Engineering
- Type of business or sector Education, Research and development

September 2013 –
2016

Researcher grade 3

SC OPTOELECTRONICA-2001 SA, 409, Atomiştilor St, Măgurele, Ilfov, România

- Research department „Advanced laser manufacturing laboratory”.

Type of business or sector Research and development

December 2011–
September 2013

Research assistant

SC OPTOELECTRONICA 2001 SA, 409, Atomiştilor St, Măgurele, Ilfov, România

- Research department „Advanced laser manufacturing laboratory”.

Type of business or sector Research and development

June 2008 –
August 2008

Engineer

SC. TEHNOMONTAJ CONSTRUCT SRL, 139, Mihai Bravu St, 105800, Mizil, Prahova, Romania

- Responsible with welding technology for various welded assemblies;
- Identifying suppliers and purchase raw materials and supplies for production flow;

Type of business or sector Metal constructions

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 Brasov, 29, Eroilor St., Brasov, Romania

- Fundamental scientific research in the field of laser welding

October 2008 –
September 2011

Doctor of Philosophy in Industrial Engineering Field

EQF level 8

Materials Technology and Welding Department, Engineering and Management of Technological Systems, Politehnica University of Bucharest

- Laser welding technology;
- Research on Nd:YAG laser welding of stainless steel thin walled components .

October 2009 –
September 2011

Master of Science in Laser Technology

EQF level 7

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

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

Master of Science in Welding Engineering

EQF level 7

October 2008 –
February 2010

Materials Technology and Welding Department, Engineering and Management of Technological Systems, Politehnica University of Bucharest

- Materials science, conventional and advanced welding technologies.

Bachelor of Science in Engineering, Industrial Engineering, Welding Equipment and Technology specialization

EQF level 6

October 2003 –
June 2008

Materials Technology and Welding Department, Engineering and Management of Technological Systems, Politehnica University of Bucharest

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

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Listening	Reading
B2	B1	A2	A	B1

English

Organisational / managerial skills

Participation in the development of national and international scientific projects research;

Job-related skills

- Engineering – Welding engineering and technology;
- Research – member in 15 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;

Digital competence

- Hardware knowledge
- Good knowledge of Microsoft Office™ tools (Word™, Excel™, PowerPoint™ and Outlook™)
- Digital image processing - CorelDraw™,
- CAD - AutoCAD

Other skills

- Operator TRUMPH laser equipment;
- Laser welding and cladding;
- Certification in metallographic sample preparation;
- Certification in Entrepreneurial Competence;
- Certification in digital holographic microscopy and operation of Reflection / transmission holographic microscopy;
- Certification in operation of atomic AFM;
- Advanced skills in spectroscopy and LIBS techniques.

Driving licence

Category B vehicle (2004).

OTHER INFORMATION

Publications
Projects
Conferences
Seminars
Honors and awards

Publication of 2 books and more than 40 scientific papers in technical journals;
Member in 15 national research grants and in 6 international projects; Director of 1 SFERA type project (Italy); Member in 1 project FP7-NMP-2012-SME-6 and 1 project EEA-JRP-RO-NO-2013-1.
Participation at 6 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.

Date: 01.09.2025