

PERSONAL INFORMATION

JALIU Codruța Ileana



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WORK EXPERIENCE

- 2003 - present Professor, Department of Product Design, Mechatronics and Environment
- 2000 – 2003 Associate Professor, Department of Product Design and Robotics
- 1997 - 2000 Lecturer, Department of Machine Elements, Mechanisms and Robotics
- 1991-1997 Assistant, Department of Mechanisms and Machine Elements

PhD Supervisor in Mechanical Engineering since 2010
(3 PhD theses coordinated and validated by CNATDCU, 1 coordinated postdoctoral program)

Coordinator of bachelor programs Industrial Design (in Romanian) (2011 -) and Industrial Design (in English) (2009 -)

- Dean of Product Design and Environment Faculty (2010 - 2012), (2016 -)
- Head of Product Design, Mechatronics and Environment Department (2011 - 2015)
- Head of Product Design and Robotics Department (2008-2010)
- Deputy-Head of Product Design and Robotics Department (2000-2008),
- Scientific secretary of Product Design and Robotics Department (1998-2000),
- Member in the Board of the Faculty of Technological Engineering (1996 – 2010)
- Member in the Board of the Faculty of Product Design and Environment (2010 – 2016)

Transilvania University of Brasov, 29, Eroilor, 500036, Brasov

- Teaching activities and research in mechanical systems, product development, mechatronics, robotics, renewable energy systems;
- As Dean and Head of Product Design, Mechatronics and Environment Department, the general responsibilities included the development of the faculty and department strategy in education, research and quality assurance;
- Coordination of diploma projects, dissertations and PhD theses.
- The experience in research includes participation in solving 46 National and International Funded Research Grants, 3 of them as coordinator (grant CNCSIS, A 1060 / 2005, grant PNII ID_140/2007, Euromaint: European Maintenance: Professional skills for Maintenance Managers & Maintenance Engineers, Leonardo da Vinci Project NL/06/B/P/PP/157604, 2006 – 2008)

Business or sector Research and Education

2009 - Member of the evaluators group for Quality Assurance in Higher Education ARACIS; member in the Commission of Permanent Experts ARACIS (2019-)

ARACIS, Bd. Mărăști nr. 59, București www.aracis.ro

Quality assessment in higher education at the institutional level, assessment of undergraduate study programs and master's fields.

Business or sector Academic evaluation, higher education

1987 - 1991 **Engineer**

CARFIL S.A.

Toolmaker's shop

Business or sector Production

EDUCATION AND TRAINING

2016 Graduation certificate Revision ISO 9001:2015 – Risk Management new approach and requirements

GLOBAL CERTIFICATION ROMANIA

2002 Graduation certificate Informatics applied in engineering

Transilvania University of Brasov, 29, Eroilor, 500036, Brasov

1993-1999 **PhD diploma in Industrial Engineering field** EQF 7

Transilvania University of Brasov, 29, Eroilor, 500036, Brasov

- Contribution to the optimization of vertebrate robots, PhD coordinator prof. Florea DUDIȚĂ

1982-1987 **Engineer diploma, TCM (Machine building)** EQF 5

Transilvania University of Brasov, TCM Faculty

- Competencies in mechanical and industrial engineering

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|------------------|------------------|--------------------|-------------------|------------------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | Proficient user | Proficient user | Proficient user | Proficient user | Proficient user |
| C1 | | | | | |
| Russian | Independent user | Independent user | Independent user | Independent user | Independent user |
| B1 | | | | | |
| German | Basic user | Basic user | Basic user | Basic user | Basic user |
| A1 | | | | | |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

[Common European Framework of Reference for Languages](http://www.cedefop.europa.eu)

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| Communication skills | Team work,: commitment to teaching and research activities carried out in a team, creative attitude and support for colleagues. Mediation skills: positive and active attitude. Intercultural skills: experiences of study, teaching and living in several European countries (UK, Germany, France, Austria). |
| Organisational / managerial skills | Capacity to coordinate teams, projects and budgets in academic environment, acquired / developed as a result of the management positions held: 2010 – 2012, : 2016 - : Dean of Product Design and Environment Faculty 2011 – 2015: Head of Product Design, Mechatronics and Environment Department 2008-2010: Head of Product Design and Robotics Department, Transilvania University of Brasov; 2000-2008: Deputy head of department, Department of Product Design and Robotics, Transilvania University of Brasov; Member in 43 Research project teams and coordinator of 3 projects / grants Senior editor of the Bulletin of Transilvania University of Brasov – Series I. Engineering Sciences (2008- 2023) Organizer of the international conferences SYROM (2009, 2013), CSE, (2008, 2011, 2014, 2023), PRASIC (1998, 2002, 2006, 2016, 2018), National Seminar of Mechanisms (2006) – Braşov, Romania Vice-president of Brasov branch of ARoTMM (2005 – 2013) Reviewer at ISI journals and international conferences |
| Job-related skills | Teaching and scientific research in the fields of Mechanical Engineering, Product Design and Development, Renewable Energy Systems and Mechatronics; Quality evaluation and assurance in the higher education Teaching mobility in U.K., Germany, Austria Specialization in robotics (U.K.), France (quality management), Germany (mechatronics), Austria (small hydropower plants) |
| Quality assurance | Coordinator of the undergraduate study programs Industrial Design (2011 –), Industrial Design (English) (2009 –) - EUR-ACE certification of coordinated study programs. The main responsibilities as Dean and Head of the Department of Product Design, Mechatronics and Environment included quality management in the teaching and research process, development of the faculty and department strategy in education and research: - initiation in 2021 in the faculty of a board made up of teaching staff, employers, graduates, students; at the level of each study program - the development of specific methodologies, regulations and internal procedures at the faculty level for the organization of graduation exams, procedure for selecting subject from optional packages. |

ADDITIONAL INFORMATION

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| Publications | 11 monographs, 5 teaching manuals, 183 scientific papers. |
| Projects | Participation in 46 projects / grants, coordinator of a Rose grant and of 3 research grants |
| Memberships | Funding Member of the Romanian Association for Mechanism and Machine Science (ARoTMM) and of IFToMM Funding Member of the Romanian Association for Small Hydropower (ROSHA); Member of the Romanian Association for Mechanical Transmissions ROAMET |
| Honours and awards | 2015 Award of the Romanian Academy for the monograph The Role of Mechanisms in Renewable Energy Systems (as co-author) |
| Patents | 16 patents and patent applications |
| H Indexes | WOS 8, Scopus 11, Google Scholar 14 |

Prof. dr.eng. Codruța Ileana JALIU