

PERSONAL INFORMATION

Elena SCUTELNICU



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 Skype escutelnicu

Sex Female | Date of birth 16/12/1961 | Nationality Romanian

WORK EXPERIENCE

2007 - present

Professor (Full)

"Dunarea de Jos" University of Galati, Faculty of Engineering

47 Domneasca St., 800008 - Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>

- Dean of Faculty of Engineering (from March 2020 onwards)
- Teaching and scientific research activities in Industrial Engineering field
- Visiting Professor to Universidad Polit cnica de Madrid, Centro L aser, Spain (June 2008, June 2009)
- PhD Supervisor in Industrial Engineering field (2009 - present)
- Vice-Dean of the Faculty of Mechanical Engineering/Faculty of Engineering (2009-2016)
- Coordinator of the Industrial Engineering Doctoral Programme, Mechanical and Industrial Engineering Doctoral School/Engineering Doctoral School, (2013 - present)
- Head of the Centre for Advanced Researches in Welding – SUDAV (2022 - present)
- Scientific Responsible of the Centre for Advanced Researches in Welding – SUDAV (2006 - 2022)
- Responsible of the Quality Management in Faculty of Mechanical Engineering (2010 - 2012)
- Head of the Robotics and Welding Department (2007 - 2009)
- Director of the "Design and Simulation in Welding Engineering" Master Programme (2016 - present)
- Editor-in-chief of *Annals of "Dunarea de Jos" University of Galati, Fascicle XII, Welding Equipment and Technology*, ISSN 1221-4639, indexed by Scopus, ProQuest, Ebsco etc. (2007 - present)
- Head of the Scientific Research Commission of the Engineering Faculty Council (2016 - 2020)
- Member of the Mechanical and Industrial Engineering Doctoral School Council/Engineering Doctoral School Council, "Dunarea de Jos" University of Galati (2013 - present)
- Member of the "Dunarea de Jos" University of Galati Senate (2007 – 2012, 2019 – 2020)
- Member of the Faculty of Mechanical Engineering/Faculty of Engineering Council (2004 - present)
- Member of the University Scientific Council (2008 - 2012)
- Member in Scientific Research & International Relations Commission of the Senate (2007 - 2012)
- Member in the Board of the Romanian Welding Society (2019 - present)

Business or sector Higher Education

2004 - 2007

Associate Professor, PhD

"Dunarea de Jos" University of Galati, Faculty of Mechanical Engineering

47 Domneasca St., 800008 - Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>

- Teaching and scientific research activities in Industrial Engineering field
- Visiting Professor to Universit  de Rouen, IUT de Rouen, France (May - July 2004)
- Vice-head of the Robotics and Welding Department
- Member of the Faculty of Mechanical Engineering Council

Business or sector Higher Education

2003 - 2004

Assistant Professor, PhD

"Dunarea de Jos" University of Galati, Faculty of Mechanical Engineering

47 Domneasca St., 800008 - Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>

- Teaching and scientific research activities in Industrial Engineering field
- Vice-head of the Robotics and Welding Department

Business or sector Higher Education

1990 - 2003 **Assistant Professor**

"Dunarea de Jos" University of Galati, Faculty of Mechanical Engineering
47 Domneasca St., 800008 - Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>

- Teaching and scientific research activities in Industrial Engineering field
- Vice-head of the Robotics and Welding Department (from 2000 onwards)

Business or sector Higher Education

1989 - 1990 **Engineer**

TMUC Galati (Assembly and Construction Company), Galati, Romania
22 Episcop Melchisedec Stefanescu St., Galati, Romania, <http://www.confortgalati.ro/>

- Technology Design and Teaching activities

Business or sector Industry

1985 - 1989 **Engineer**

Machines Tools Company, Bacau, Romania
205 Calea Republicii St., 600304 - Bacau, Romania, <http://www.wmw.ro>

- Technology Design and Teaching Activities
- Export and Production Activities
- Responsible Engineer for CNC Machines Production

Business or sector Industry

EDUCATION AND TRAINING

- March – May 2008** **Post-university Studies: Quality Management in Open Learning** EQF 7 level
"Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., 800008 - Galati, Romania
Open Learning Applied Informatics, Quality Management in Open Learning, Tutorial Procedures in Education, Didactics Materials Development in ODL, Distance Learning Administration and Organising.
- 2002 – 2003** **Post-university Studies: Distance Learning Didactics** EQF 7 level
"Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., 800008 - Galati, Romania
Distance Learning Applied Informatics, Didactics Materials Development, Distance Learning Organising, Training Systems using the Computer, Tutorial in Education.
- 1995 - 2003** **PhD in Industrial Engineering** EQF 8 level
"Dunarea de Jos" University of Galati, 47 Domneasca St., 800008 - Galati, Romania
PhD Thesis: *Theoretical and Experimental Research on the Thermal Processes during Dissimilar Metals Welding* (Analytical Modelling and FEA of Dissimilar Metals Welding, Experimental Validation by Thermography Method, Mechanical and Metallurgical Behaviour of Dissimilar Metals subjected to Welding).
- 1980 - 1985** **Bachelor of Science in Mechanical Engineering, Welding Equipment and Technology** EQF 6 level
"Dunarea de Jos" University of Galati, Faculty of Mechanical Engineering, Galati, Romania
Basic Courses: Mathematics, Physics, Chemistry, Informatics, Materials Science, Technical Drawing.
Specific Courses: Welding Processes, Welding Metallurgy, Welding Technologies and Equipment Design, Welded Structures Design, Non-destructive Testing (NDT) etc.
- 2000 - 2018** **International Documentary and Research Stages, Vocational Training Programmes**

- November 2018: *Educational Mentoring in HE, Innovative Didactic Strategies*, DFCCT, UDJG.
- June-July 2015: *Development of Study Programmes and Learning Opportunities for Students*, POSDRU/156/1.2/G/133630 project, "Stefan cel Mare" University of Suceava, Romania.
- June-July 2015: *Project Manager*, "Solidaritate si Speranta" Foundation, 48 Costache Negri St., Iasi, RO.
- March 2012: *Quality Management in Higher Education*, POSDRU/86/1.2/S/61959 Project, "Alexandru Ioan Cuza" University from Iasi, Romania.
- February 2012: *Advanced Materials Processing*, Universidad Politecnica de Madrid – Centro Laser, Spain.
- October 2010: *Laser Welding Processes*, Universidad Politecnica de Madrid – Centro Laser, Spain.
- November 2006: *Special Welding Processes* - Instituto Tecnico Superior Lisbon IST, PORTUGAL and Universidad Politecnica de Madrid – Centro Laser, Spain.
- February - March 2005: *Training of Trainers in Career Guidance and Counselling*, course organized by CICOP, "Dunarea de Jos" University of Galati, Romania
- April 2003: *Total Quality Management*, Instituto Tecnico Superior Lisbon - IST, Portugal.
- November 2003: *Trainer for Stimulation the SMEs Development*, "Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., Galati, RO.
- October 2003: *Project development and management*, "Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., 800008 - Galati, Romania
- October 2003: *European Integration and Community Relations*, "Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., Galati, RO.
- October 2003: *Human Resources Management*, "Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., 800008 - Galati, RO.
- October 2003: *Communication and Public Relations*, "Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., 800008 - Galati, RO.
- November 2000: *Underwater Technologies, ODL and TQM*, Instituto Tecnico Superior Lisbon, Portugal.
- Documentary/Research stages, Vocational Training programmes in Advanced Materials Processing, Advanced Welding Processes, ODL, TQM, Quality Management in Higher Education, HRD.

PERSONAL SKILLS

Mother tongue(s)	Romanian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	Certificate of English language level - B2				
French	B2	B2	B2	B2	B2
	Certificate of French language level - B2				

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

- Research Fields**
- Development of welding processes and advanced technologies
 - Fundamental and applicative research in fusion welding field: modelling & simulation, behaviour of similar and dissimilar materials subjected to monoarc/multiarc/multiwire welding
 - Fundamental and applicative research in special welding process field (Friction Stir Welding/Processing FSW/FSP)
 - Mechanical and metallurgical behaviour of materials subjected to welding

- Communication skills**
- Teaching and training mobilities in different countries (Spain, Portugal, France, Croatia, Algeria)
 - Experience in teaching by classical and ICT methods
 - Attending the international meetings and conferences in Switzerland, Denmark, Austria, Croatia, France, Germany, Israel, Italy, Spain, Portugal, Russia, Turkey, Republic Czech, Hungary, Greece, Moldova Republic, Tunisia, Algeria
 - Participation in national/ international research and other European projects: PN III, PN II, CEE, CNCSIS, FP5, TEMPUS, PHARE, Leonardo da Vinci, Erasmus, Erasmus+

- Organisational / managerial skills
 - Experience in academic management in the framework of Doctoral School of Engineering, Faculty of Mechanical Engineering/Faculty of Engineering and Department of Robotics and Welding
 - Experience in international and national projects management
- Job-related skills
 - Experience in organising international and national conferences, seminars and workshops
 - Expertise in evaluation of international research projects, PhD and Habilitation thesis
 - Technical skills and knowledge in fields such as: computers, mechanical equipment, thermal processes, materials science, mechatronics, robotics, simulation of welding process etc.
 - Total Quality Management (TQM), Academic and Educational Management, Projects Management

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

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

- Good command of office suite (Word, Excel, PowerPoint), Multimedia and Internet, photo editing software (Adobe Photoshop, Corel Draw) and FEA software used in modelling and simulation of processes (COSMOS/M)

Driving licence B

ADDITIONAL INFORMATION

- Publications
- Presentations
- Projects
- Conferences
- Seminars
- Honours and awards
- Memberships
- References
- Citations
- Courses
- Certifications

Research evaluation & scientific review

- Evaluator at European Commission for the HORIZON 2020 (Research & Innovation), *Research Fund for Coal and Steel (RFCS)*, Eureka - Eurostars Programmes
 - Evaluator for the Innovation Fund Denmark – IFD from Denmark
 - Evaluator for the Technology Agency - TACR from Czech Republic
 - Expert/Delegate at International Institute of Welding – IIW
 - Member of the Industrial Engineering and Management Commission, National Council for Attestation of Titles, Diplomas and Certificates in Higher Education (CNATDCU) (2016 onwards)
 - Member of the Engineering Sciences Commission (C10), Romanian Agency for Quality Assurance in Higher Education (2022 onwards)
 - Member of the Industrial Engineering and Management Commission of Appeals Examination CNATDCU (2012 - 2016)
 - Evaluator for PN II and PN III Programmes, funded by UEFISCDI, Romania
 - Evaluator for ROSE Programme, funded by Ministry of National Education and Scientific Research.
 - Evaluator in the Romanian Agency for Quality Assurance in Higher Education (ARACIS) – Industrial Engineering Commission (2006 onwards)
 - Evaluator of PhD and Habilitation thesis in Industrial Engineering field
 - Editor-in-chief of the journal *Annals of "Dunarea de Jos" University of Galati, Fascicle XII, Welding Equipment and Technology*, ISSN 1221-4639, indexing by Elsevier-SCOPUS, ProQuest.
 - Member of the editorial board: *International Journal of Advanced Computer Science and Applications, Materials, International Journal of Manufacturing and Materials Processing, Modern Materials Science and Technology, International Journal of Computational Intelligence Research, SUDURA*
 - Reviewer for scientific journals covered by ISI Thomson Reuters - Web of Science: *International Journal of Advanced Manufacturing Technology, Materials and Manufacturing Processes, Journal of Manufacturing Processes, Materials and Design, Journal of Alloys and Compounds, Optics & Laser Technology, Optics and Lasers in Engineering, Microscopy and Microanalysis, International Journal of Heat and Mass Transfer, Materials, Metals, Construction and Building Materials, Applied Sciences - Basel, Acta Polytechnica*
 - Evaluator for international & national conferences proceedings in the fields of Welding Processes and Advanced Technologies, Industrial Engineering, Mechanical Engineering, Materials Science
- Chairman/member of scientific and organising committees**
- Chairman/member of scientific committees: 50 international (indexed ISI/IDB)
 - Chairman/member of organising committees: 20 international/national scientific events

Teaching mobilities (at least 1 week/mobility)

- February 2018: University of Constantine, Algeria
- July 2014: University Nova de Lisboa, Portugal
- May 2013: University of Porto, Portugal
- April 2013, June 2010: Universidad Politecnica de Madrid – Centro Laser, Spain
- May 2012: University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Croatia
- May 2011, June 2010: Université de Rouen, IUT, France

Awards

- Diploma and Special Award EUROINVENT of Romanian Inventors Forum for the project *Security Increasing in Gas Supplying of Trans-European Pipelines GAZODUCT* (E. Scutelnicu, C. C. Rusu, O. Mircea, L. R. Mistodie, D. C. Birsan, B. Georgescu, D. Mihailescu, D. Visan), UGAL INVENT 2017.
- Diploma of Excellence and Gold Medal for the project *Creșterea siguranței în alimentarea cu gaz prin magistrale trans-europene GAZODUCT* (authors: E. Scutelnicu, C.C. Rusu, O. Mircea, L. R. Mistodie, D. C. Birsan, B. Georgescu, D. Mihailescu, D. Visan), UGAL INVENT 2017.
- Diploma of Excellence and Gold Medal for the patent no. 128721 *Instalație de sudare tip multiarc electric* (authors: Rusu C. C., Mistodie L. R., Voicu C., Scutelnicu E, *et al.*), UGAL INVENT 2017.
- Diploma of Excellence and Gold Medal for the patent no. 128721 *Instalație de sudare tip multiarc electric* (authors: Rusu C. C., Mistodie L. R., Voicu C., Scutelnicu E, Constantin E., Bormambet M.) at International Fair of Inventions and Practical Ideas, INVENT - INVEST 2016, organized by the Romanian Inventors Society.
- Certificate of Outstanding Contribution in Reviewing, awarded by Journal of Manufacturing Processes (covered by Web of Science) in cooperation with The Society of Manufacturing Engineers, 2016.
- 1st Scientific Award for the paper *Heat Treatment of Joints Welded on Cogged Surfaces*, International Conference ModTech 2011, Chisinau, Moldavia Republic.
- "Universitaria" Award for *Welding Processes Basics* (Bazele Proceselor de Sudare) e-book, Publishing House Foundation of "Dunarea de Jos" University of Galati (March 2008).
- 11 Awards granted by the National University Research Council for the articles published in journals covered by Web of Science (*Journal of Materials Processing Technology, Science and Technology of Welding and Joining, Metalurgia International, Materials and Manufacturing Processes, Metals*) - 2007, 2009, 2010, 2014, 2018, 2021.
- Medal "Université dans la Societé", ACPART-Romania and Université de Rouen-France (2006).
- Diploma for meritorious activity granted by the Romanian Welding Society (2006).

Membership

- General Society of Engineers from Romania - AGIR (2010 - present)
- Romanian Society of Welding - ASR (1993 – present)
- Romanian Society of Robotics - SRR (1997 – present)
- Athens Institute for Education and Research - ATINER (2016 - present)

Researcher ID (Thomson Reuters): F-3768-2016

<http://www.researcherid.com/rid/F-3768-2016>

PUBLONS: Elena Scutelnicu

<https://publons.com/a/1249489/>

SCOPUS ID: 18435068600

<http://orcid.org/0000-0003-1452-8458>

ResearchGate: Elena Scutelnicu

https://www.researchgate.net/profile/Elena_Scutelnicu

Courses developed and taught in the framework of the study programmes

- Basics of Welding Process (Bachelor' s degree Programme)
- Management of Research and Development (Bachelor' s degree Programme)
- Management of Assembly Process (Bachelor' s degree Programme)
- Characterisation of Welded Joints (Master' s degree Programme)
- Modelling and Simulation of Welding Process (Master' s degree Programme)

BOOKS - ARTICLES - GRANTS - PATENTS	2017 - 2022	Total
A. PhD Thesis in Engineering Sciences - Industrial Engineering	-	1
B. Books	1	15
B.1. Books published (as editor)	-	2
B.2. Books published in Romania	-	9
B.3. Laboratory guidebook	1	4
C. Articles published in scientific journals	14	100
C.1. Journals indexed by Thomson Reuters – Web of Science (ISI)	7	18
C.2. Journals indexed by International Databases (IDB)	5	57
C.3. National journals ranked by CNCSIS (B+, B)	2	25
D. Articles published in Scientific Conferences Proceedings	5	111
D.1. Conferences indexed by Thomson Reuters - Web of Science (ISI)	3	14
D.2. Conferences indexed by International Databases (IDB)	-	50
D.3. Conferences unindexed	2	47
E. Articles published in other interest fields	-	11
E.1. Articles published in international journals or International Conferences Proceedings in the fields of academic management, HRD, and vocational training collaborative research	-	11
E.1. National R&D and innovative projects	2	22
E.2. Grants funded by EC	4	17
F. Patents	0	1

ANNEXES

To whom it may concern, the following documents can be provided:

- Copies of degrees and qualifications;
- Testimonial of employment or work placement;
- List of Scientific Articles & Books & Grants & Patents.

July, 2022

Professor Elena SCUTELNICU, PhD

