



## Europass Curriculum Vitae

### Personal information

Surname(s) / First name(s) **SCUTELNICU ELENA**  
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Nationality Romanian

Date of birth 16.12.1961

Gender Female

Desired employment /  
Occupational field Prof. PhD. Eng.

### Work experience

Dates 1990-present: Employee of Dunarea de Jos University of Galati

Occupation or position held

- Current position: Professor PhD Eng., Mechanical Engineering Faculty;
- 2004 - 2007: Assoc. Professor PhD Eng., Mechanical Engineering Faculty;
- 1994 - 2004: Assist. Prof./Assist. Prof. PhD Eng., Mechanical Engineering Faculty;
- 1990-1994: Debuting Assistant, Mechanical Engineering Faculty.

Main activities and responsibilities

- Vice-Dean of the Mechanical Engineering Faculty (2009-present)
- Head/Vice-head of Robotics and Welding Department (2007-2009)/(2000-2007)
- Director of Mechatronics/Welding Equipment and Technology programmes (2006-2008)/(2000-2001)
- Head of Research Department of Centre for Advanced Researches in Welding – SUDAV (since 2006)
- Member of the Senate of Dunarea de Jos University of Galati (2007-2012)
- Member of the Council of Mechanical Engineering Faculty (2004-present)
- Member of the University Scientific Council (2008-2012)
- Member in the Scientific Research & International Relations Commission of the University (2007-2012)
- Expert at European Commission for the Research Programme RFCS
- Expert at International Institute of Welding - IIW
- Evaluator in the Romanian Agency for Quality Assurance in Higher Education – Industrial Engineering
- Member of the Commission of Appeals Examination CNATDCU - Industrial Engineering, Ministry of National Education
- Coordinator of Industrial Engineering Doctoral program within Engineering Doctoral School of Dunarea de Jos University of Galati
- Editor-in-chief of *International Journal of Applied Mathematics and Informatics*, ISSN 2074-1278, Publisher: University Press and *The Annals of Dunarea de Jos University of Galati, Fascicle XII, Welding Equipment and Technology*, ISSN 1221-4639
- PhD Supervisor in Industrial Engineering, teaching and research activities

Name and address of employer Dunarea de Jos University of Galati, 47 Domneasca Str., 800008 – Galati, Romania, [www.ugal.ro](http://www.ugal.ro)

Type of business or sector Higher Education

|                                      |   |
|--------------------------------------|---|
| Dates                                | June 2008, June 2009, June 2010   |
| Occupation or position held          | Visiting Professor  |
| Main activities and responsibilities | Lectures on:<br>Special Welding Processes for Advanced Materials, Advanced Materials Characterisation, Trends in Advanced Welding   |
| Name and address of employer         | Centro Láser-Universidad Politécnica de Madrid, Ctra.de Valencia, km. 7,300, Campus Sur U.P.M., (Edificio "La Arboleda"), 28031 Madrid, <a href="http://www.upmlaser.upm.es">http://www.upmlaser.upm.es</a> |
| Type of business or sector           | Higher Education  |
| Dates                                | May - July 2004, June 2010, May 2011  |
| Occupation or position held          | Visiting Professor  |
| Main activities and responsibilities | Lectures on: Sustainable Development – Materials Science, Modeling and Simulation of Industrial Processes   |
| Name and address of employer         | Universite de Rouen, L'Institute de Technologie Universitaire de Rouen; Rue Lavoisier – 76821 Mont Saint Aignan, France <a href="http://www.univ-rouen.fr">www.univ-rouen.fr</a>                            |
| Type of business or sector           | Higher Education  |
| Dates                                | September 1989 – November 1990  |
| Occupation or position held          | Engineer  |
| Main activities and responsibilities | Technologies design, Teaching activities  |
| Name and address of employer         | Construction Company, Galati, Romania   |
| Type of business or sector           | Industry  |
| Dates                                | September 1985 – September 1989   |
| Occupation or position held          | Responsible engineer for the Numerically Controlled Machine Tools   |
| Main activities and responsibilities | Export and production activities, Welding technologies design, Teaching activities  |
| Name and address of employer         | Machine Tools Company, Bacau, Romania   |
| Type of business or sector           | Industry  |

## Education and training

|  |   |
|--|---|
| Dates  | 1995-2003   |
| Title of qualification awarded                                 | Diploma: PhD. Eng. – CUM LAUDE Distinction  |
| Principal subjects/occupational skills covered                 | Industrial Engineering<br>Thesis title: <i>Theoretical and Experimental Researches on the Thermal Processes in Dissimilar Metals Welding</i><br>Analytical modelling and FEA of dissimilar metals welding, Experiments by termography method, Macro and microstructures of dissimilar metals welded joints etc. |
| Name and type of organisation providing education and training | Dunarea de Jos University of Galati, 47 Domneasca Str., 800008 – Galati, Romania  |
| Level in national or international classification              | Doctor (PhD), Industrial Engineering  |
| Dates  | March – May 2008  |
| Title of qualification awarded                                 | Post-university studies diploma: Quality Management in Open Learning  |
| Principal subjects/occupational skills covered                 | Open Learning Applied Informatics, Quality Management in Open Learning, Tutorial Procedures in Education, Didactics Materials Development in Open Learning, Distance Learning Administration and Organising.  |
| Name and type of organisation providing education and training | Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania<br>Centre for Continuing Education and Technological Transfer – CFCTT   |
| Level in national or international classification              | Post-graduate   |
| Dates  | 2002-2003   |
| Title of qualification awarded                                 | Post-university studies diploma: Distance Learning Didactics  |

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|--|---|
| Principal subjects/occupational skills covered                 | Distance Learning Applied Informatics, Didactics Materials Development, Distance Learning Organising, Training Systems using the Computer, Tutorial in Education  |
| Name and type of organisation providing education and training | Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania<br>Centre for Continuing Education and Technological Transfer – CFCTT   |
| Level in national or international classification              | Post-graduate   |
| Dates  | November - 2003   |
| Title of qualification awarded                                 | Post-university studies diploma: SMEs development stimulation – Trainer   |
| Principal subjects/occupational skills covered                 | Projects Management, Communication and Vocational Guidance, Businesses Development  |
| Name and type of organisation providing education and training | Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania<br>Centre for Continuing Education and Technological Transfer – CFCTT   |
| Level in national or international classification              | Post-graduate   |
| Dates  | October - 2003  |
| Title of qualification awarded                                 | Specialization course diploma: Communication and Public Relations   |
| Principal subjects/occupational skills covered                 | Communication, Inter-institutions Communication, Crises Communication, Public Relations, Ceremony and Protocol  |
| Name and type of organisation providing education and training | Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania<br>Centre for Continuing Education and Technological Transfer – CFCTT   |
| Level in national or international classification              | Specialization  |
| Dates  | October - 2003  |
| Title of qualification awarded                                 | Specialization course diploma: Human Resources Management   |
| Principal subjects/occupational skills covered                 | Theories on Management, Managerial Styles and Roles, Team Development, Conflicts, Management of Change  |
| Name and type of organisation providing education and training | Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania<br>Centre for Continuing Education and Technological Transfer – CFCTT   |
| Level in national or international classification              | Specialization  |
| Dates  | October - 2003  |
| Title of qualification awarded                                 | Specialization course diploma: European Integration and Community Relations   |
| Principal subjects/occupational skills covered                 | Romania Accession to the European Union, European Union: Presentation , European Accession Process, Costs and Benefits of Accession to EU   |
| Name and type of organisation providing education and training | Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania<br>Centre for Continuing Education and Technological Transfer – CFCTT   |
| Level in national or international classification              | Specialization  |
| Dates  | October - 2003  |
| Title of qualification awarded                                 | Specialization course diploma: Project development and management   |
| Principal subjects/occupational skills covered                 | Financial Sources, Projects Development, Projects Management  |
| Name and type of organisation providing education and training | Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania<br>Centre for Continuing Education and Technological Transfer – CFCTT   |
| Level in national or international classification              | Specialization  |
| Dates  | 1980-1985   |
| Title of qualification awarded                                 | Diploma of Mechanical Engineer, Welding Technology and Equipment specialization   |
| Principal subjects/occupational skills covered                 | Mechanical engineering fundamental courses: mathematics, physics, informatics, material sciences, Specific Welding Technology and Equipment specialization courses as Welding Processes, Welding Metallurgy, Welding Technologies and Equipment Desing, Welded Structures Design etc. |

Name and type of organisation providing education and training Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania  
Faculty of Mechanical Engineering

Level in national or international classification Higher Education Graduate, Engineer

- International documentary stages/ other training programmes
- ✓ March – 2012: *Quality management in Higher Education, Managementul Calității în Învățământul Superior*, course organized in the framework of the project POSDRU/86/1.2/S/61959, "Alexandru Ioan Cuza" University from Iasi, ROMANIA
  - ✓ February – 2012: Training stage in Advanced Materials Processing, Universidad Politecnica de Madrid – Centro Laser, SPAIN
  - ✓ October – 2010: Training stage in Laser Welding Processes, Universidad Politecnica de Madrid – Centro Laser, SPAIN
  - ✓ November - 2006: Documentary stage in the special welding processes field - 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: Documentary stage in the field of Total Quality Management, Instituto Tecnico Superior Lisbon - IST, PORTUGAL
  - ✓ November – 2000: Documentary stage in the underwater technologies field, ODL and TQM, Instituto Tecnico Superior Lisbon - IST, PORTUGAL

**Personal skills and competences**

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (\*)

English

French

| Understanding |                  |         |                  | Speaking           |                  |                   |                  | Writing |                  |
|---------------|------------------|---------|------------------|--------------------|------------------|-------------------|------------------|---------|------------------|
| Listening     |                  | Reading |                  | Spoken interaction |                  | Spoken production |                  |         |                  |
| B2            | Independent user | C1      | Proficient user  | B2                 | Independent user | B2                | Independent user | C1      | Proficient user  |
| B1            | Independent user | B2      | Independent user | B1                 | Independent user | B1                | Independent user | B2      | Independent user |

Social skills and competences

- Work experience in different countries, with different nationality people; ;
- Experience in teaching by classical and ICT methods;
- Participation to the international meetings and conferences in Denmark, Austria, Croatia, France, Germany, Israel, Italy, Spain, Portugal, Russia, Turkey, Republic Czech, Hungary;
- Participation in national/ international research and other European projects: PNII, CEEEX, CNCSIS, FP5, TEMPUS, PHARE, Leonardo da Vinci.

Organisational skills and competences

- Academic management:
- Vice-Dean of the Mechanical Engineering Faculty;
  - Head of Robotics & Welding department;
  - Director of the Welding Equipment and Technology/Mechatronics programmes and Welding Processes Robotization post-graduate programme;
  - Director of the Research Department from the Advanced Researches in Welding Centre – SUDAV;
- Project management and coordination:
- Security Increasing in Gas Supplying of Trans-European Pipelines– GAZODUCT, PN-II-PT-PCCA-2011-3.1-1057, contract 27/2012, UEFISCDI, 2012-2015, project manager.
  - Methods and Innovative Techniques for Dissimilar Metals Joining using Friction Stir Welding (FSW) - TIMEF, Grant PNCD II 72174/2008, CNMP, 2008-2011, project manager.
  - Analytical Models for Temperature Prediction on Welding, PN-II-RU-MC-2008, CNCSIS 26, 1st International Congress on Welding and Joining Technologies, Madrid-Spain, project manager.
  - Advising System for the Business Start-up - CISICA, Phare 2002 – Economic and Social Cohesion, HRD, RO-2002/000-586.05.02.02.103, CE-Romania, project manager.
  - Finite Element Analysis and Experimental Validation by Thermography Method of the Thermal Processes from Dissimilar Metals Welded Joints, CNCSIS 2021, 2003-2205, executive manager.
  - Right Person in the Right Job - RIPERIJ0, Leonardo da Vinci, a/02/b/ff/pp/124.20, Austria, local local technical manager.
  - Empowering Employees to Manage their own Outplacement Process - EMOP, D/03/B/F/PP – 146061, CE-Germany, local deputy manager.

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| Technical skills and competences | <ul style="list-style-type: none"> <li>- Teaching using multimedia tools</li> <li>- Other practical skills in fields like: computers, mechanical equipment, thermal processes, materials science, mechatronics, robotics, simulation of fusion welding processes.</li> </ul>   |
| Computer skills and competences  | <ul style="list-style-type: none"> <li>- MSWindows &amp; MSOffice, Multimedia, Internet.</li> <li>- Analiza cu element finit – COSMOS, COREL Draw &amp; Photopaint; Adobe Photoshop</li> </ul>   |
| Other skills and competences     | <p>Relevant experience in the following main expertise fields:</p> <ul style="list-style-type: none"> <li>- Trainer of trainers in vocational education and training area;</li> <li>- Trainer for SMEs development stimulation;</li> <li>- Human Resources Development (HRD); Communication and Public Relations;</li> <li>- Open Learning; Multimedia teaching tools and methods;</li> <li>- Total Quality Management, Higher Education Management; Projects management.</li> </ul>   |
| Driving licence                  | Category B vehicle   |
| Additional information           | <p><b>Organizing/Scientific Committees:</b></p> <ul style="list-style-type: none"> <li>✓ Chairman of the <i>International Conference on Finite Differences - Finite Elements - Finite Volumes - Boundary Elements</i>, indexed ISI WoK, Prague, Czech Republic, 2012.</li> <li>✓ Member of Scientific Committee of WSEAS (ISI) and WASET conferences, 2009-2012.</li> <li>✓ Section Chairman and member of Scientific Committee EUROJOIN 8 Conference, European Federation for Welding - EWF, 24-26 May 2012, Pola-Croatia</li> <li>✓ Section Chairman and member of Scientific Committee – <i>ROMAT 2012</i> –17-19 October 2012, București</li> <li>✓ Section Chairman, The 4th International Conference on <i>Manufacturing Engineering, Quality and Production Systems (MEQAPS '11)</i>, Barcelona, Spain, 2011</li> <li>✓ Section Chairman, <i>The 7th International Scientific Conference On Naval, Mechanical, Industrial and Power Engineering – TEHNONAV 2010</i>, 20-22 May 2010</li> <li>✓ Member in the scientific committee of the <i>International Conference Welding in Maritime Engineering</i>, conference organized by University of Zagreb, Croatian Welding Society and German Welding Society, Bol, May 13-16, 2009</li> <li>✓ Member in the scientific committee of the National Conference <i>Educatie Tehnologica si Tehnologii Educationale 2009</i>, Universitatea Tehnica din Cluj-Napoca, June 4-5, 2009</li> <li>✓ Member in the scientific committee of National Symposium Edmond Nicolau, <i>Caliate si performanta-premizele societatii bazate pe cunoastere</i>, 28<sup>th</sup> March, 2008</li> <li>✓ Chairman, The International Conference WELDING 2007, Section 5, Romanian Welding Society, September 2007, Timisoara, Romania</li> <li>✓ Chairman of the 36<sup>th</sup> Croatian Welding Society Conference – Mechanization, automation and robotization in welding and allied processes, Zadar, Croatia, 01-04 June, 2005</li> <li>✓ Chairman/member of/in organizing committee of international/national conferences/seminars/workshops organized by organizate Dunarea de Jos University of Galati in Welding Engineering and Mechatronics and Robotics fields.</li> </ul> <p><b>Affiliation: membership of</b></p> <ul style="list-style-type: none"> <li>- General Society of Engineers from Romania (AGIR), 2010 - present</li> <li>- Romanian Society of Welding (A.S.R.), 1993 - present</li> <li>- Romanian Society of Robotics (S.R.R.), 1997 – present.</li> </ul> <p><b>Prizes/Diplomas:</b></p> <ul style="list-style-type: none"> <li>- 1st Scientific Award for paper Heat Treatment of Joints Welded on Cogged Surfaces, International Conference ModTech 2011, Chişinău, Republica Moldova.</li> <li>- Universitaria Prize for Bazele Proceselor de Sudare (Welding Processes Basis) e-book, Publishing House Foundation of Dunarea de Jos University of Galati (Martie 2008);</li> <li>- 8 Prizes of the CNCSIS – National University Research Council for the scientific contributions published in journals included in ISI Web of Knowledge (Journal of Materials Processing Technology, Science and Technology of Welding and Joining, Metalurgia International).</li> <li>- Medal Université dans la Société, ACPART-Ministry of Education and Research and Université de Rouen-France (2006);</li> <li>- Diploma of Romanian Welding Society for meritorious activity (2006).</li> </ul> <p><b>Other mentions:</b></p> <ul style="list-style-type: none"> <li>- Mention in <i>Who's Who in the World 2013 - Pearl Anniversary Edition 30</i>.</li> <li>- Mention in the <i>Encyclopaedia of Romanian Personalities</i> (2009, 2010, 2011, 2012).</li> </ul> |

| Books, paper published, research R&D projects, EU projects *   | 2008 - 2013 | Total |
|--|-------------|-------|
| A. PhD – Industrial Engineering Field  | -           | 1     |
| B. Books   | 2           | 10    |
| B.1. Books published abroad (as editor)  | 1           | 1     |
| B.2. Books published in Romania  | 1           | 10    |
| C. Papers published in scientific journals:  | 29          | 72    |
| C.1. journals included in ISI Web of Knowledge   | 9           | 10    |
| C.2. international journals (International Databases – IDB)  | 4           | 9     |
| C.3. national journals (International Databases - IDB)   | 15          | 47    |
| C.4. national journals of category B   | 1           | 6     |
| D. Papers published in International/National Conferences Proceedings  | 43          | 94    |
| D.1. international Conferences Proceedings included in ISI Web   | 13          | 13    |
| D.2. international Conferences Proceedings (IDB)   | 12          | 33    |
| D.2. international Conferences Proceedings (ISBN)  | 12          | 31    |
| D.3. national Conferences Proceedings (ISBN)   | 6           | 17    |
| E. Other papers/scientific reports   | 5           | 22    |
| E.1. papers published in international journals or International Conferences Proceedings in the field of university management and HRD | 5           | 11    |
| E.2. research reports (Internet published)   | 0           | 11    |
| F.1. National R&D and innovative projects  | 5           | 20    |
| F.2. Grants funded by EU   | 2           | 12    |

May, 2013

Prof. Elena SCUTELNICU, PhD