



Europass Curriculum Vitae

Personal information

Surname(s) / First name(s) **SCUTELNICU ELENA**
Address(es) 31 Traian Str., 800043 – Galati, Romania
Telephone(s) (+40) 336 130 212 Mobile: (+40) 721 329 440
Fax(es) (+40) 336 130 283
E-mail elena.scutelnicu@ugal.ro

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 of Robotics & Welding Department (2007-present)
- Vice-head of Robotics & Welding Department (2000-2007)
- Director of Welding Processes Robotization post-graduate programme (2008-present)
- Director of Mechatronics programme (2006-2008)
- Director of Welding Equipment and Technology programme (2000-2001)
- Director of Research Department from the Centre for Advanced Researches in Welding – SUDAV (2006-present)
- Member of the Senate of Dunarea de Jos University (2007-present)
- Member of the Mechanical Engineering Faculty Council (2004-present)
- Member of University Scientific Council (2008-present)
- Member in Scientific Research & International Relations Commission of the University (2007-present)
- Evaluator in the National Council for the International Research Fellowships – Mechatronics and Robotics area (2005-present)
- Expert for Research-Development-Innovation, Ministry of Education, Research and Innovation
- Evaluator in the Romanian Agency for Quality Assurance in Higher Education – Industrial Engineering
- President of promotion commissions in high school
- Editor-in-chief of The Annals of Dunarea de Jos University, 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

Type of business or sector	Higher Education
Dates	June 2008, June 2009
Occupation or position held	Visiting Professor
Main activities and responsibilities	Lectures on: 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, http://www.upmlaser.upm.es
Type of business or sector	Higher Education
Dates	May - July 2004
Occupation or position held	Visiting Professor
Main activities and responsibilities	Lectures on: Sustainable Development – Materials Science, International Projects.
Name and address of employer	Universite de Rouen, L'Institute de Technologie Universitaire de Rouen; Rue Lavoisier – 76821 Mont Saint Aignan, France www.univ-rouen.fr
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	1995-2004
Title of qualification awarded	Diploma: PhD. Eng. – CUM LAUDE
Principal subjects/occupational skills covered	Industrial Engineering Thesis title: <i>Theoretical and Experimental Researches on the Thermal Processes in Dissimilar Metals Welding</i> 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 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

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
Level in national or international classification	Centre for Continuing Education and Technological Transfer – CFCTT
Dates	Post-graduate
Title of qualification awarded	November - 2003
Principal subjects/occupational skills covered	Post-university studies diploma: SMEs development stimulation – Trainer
Name and type of organisation providing education and training	Projects Management, Communication and Vocational Guidance, Businesses Development
Level in national or international classification	Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania
Dates	Post-graduate
Title of qualification awarded	October - 2003
Principal subjects/occupational skills covered	Specialization course diploma: Communication and Public Relations
Name and type of organisation providing education and training	Communication, Inter-institutions Communication, Crises Communication, Public Relations, Ceremony and Protocol
Level in national or international classification	Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania
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
Level in national or international classification	Centre for Continuing Education and Technological Transfer – CFCTT
Dates	Specialization
Title of qualification awarded	October - 2003
Principal subjects/occupational skills covered	Specialization course diploma: European Integration and Community Relations
Name and type of organisation providing education and training	Romania Accession to the European Union, European Union: Presentation , European Accession Process, Costs and Benefits of Accession to EU
Level in national or international classification	Dunarea de Jos University of Galati, 47 Domneasca St., 800008-Galați, Romania
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
Level in national or international classification	Centre for Continuing Education and Technological Transfer – CFCTT
Dates	Specialization
Title of qualification awarded	1980-1985
Principal subjects/occupational skills covered	Diploma of Mechanical Engineer, Welding Technology and Equipment specialization
	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																																								
Level in national or international classification	Faculty of Mechanical Engineering																																								
International documentary stages/ other training programmes	Higher Education Graduate, Engineer																																								
	✓ 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: <i>Training of Trainers in Career Guidance and Counselling</i>, 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 (*)																																									
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	(*) Common European Framework of Reference for Languages																																								
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: CNCISIS, CEEX, PNII, 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: - 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, CNCISIS 26, 1st International Congress on Welding and Joining Technologies, Madrid-Spania, 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, CNCISIS 2021, 2003-2205, executive manager; - Right Person in the Right Job - RIPERIO, Leonardo da Vinci, A/02/B/F/PP/124.20, Austria, local deputy manager; - Empowering Employees to Manage their own Outplacement Process - EMOP, D/03/B/F/PP – 146061, CE-Germany, local deputy manager;																																								

Technical skills and competences	- Teaching using multimedia tools - New technical courses development, presentation of scientific papers to the international conferences - Other practical skills in fields like: computers, mechanical equipment, thermal processes, materials science, mechatronics, robotics, simulation of fusion welding processes.
Computer skills and competences	- MSWindows & MSOffice - COREL Draw & Photopaint; Adobe Photoshop - Finite Element Analysis – COSMOS - Other Multimedia & Accesories Software, including all Internet facilities
Other skills and competences	Relevant experience in the following main expertise fields: - Trainer of trainers in vocational education and training area; - Trainer for SMEs development stimulation; - Human Resources Development (HRD); Communication and Public Relations; - Open Learning; Multimedia teaching tools and methods; - Total Quality Management, Higher Education Management; Projects management.
Driving licence	Category B vehicle
Additional information	Organizing/Scientific Committees: ✓ 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 ✓ 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 ✓ Member in the scientific committee of National Symposium Edmond Nicolau, <i>Caliat si performanta-premizele societatii bazate pe cunoastere</i>, 28th March, 2008 ✓ Chairman, The International Conference WELDING 2007, Section 5, Romanian Welding Society, September 2007, Timisoara, Romania ✓ Chairman of the 36th Croatian Welding Society Conference – Mechanization, automation and robotization in welding and allied processes, Zadar, Croatia, 01-04 June, 2005 ✓ Member of the organizing committee of the international conference ASR 2005, Welding in Romania in the pre-adhesion phase to European Union, Galati, Romania, 2005 ✓ Member of the organizing committee of the international conference UNISO 2004 – University in the Society, Galati, Romania, 2004 Affiliation: membership of - WASET – World Academy of Science, Engineering and Technology, http://www.waset.org/NaturalandAppliedSciences.php?page=38 - Romanian Association of Welding (A.S.R.), 1993 - present - Romanian Society of Robotics (S.R.R.), 1997 – present. Premii/Diplome: - Universitaria Prize for <i>Bazele Proceselor de Sudare (Welding Processes Basis)</i> e-book, Publishing House Foundation of Dunarea de Jos University of Galati (Martie 2008); - Prize of CNCSIS for the scientific contribution <i>Arc Welding of Dissimilar Metals; FEA and Experiments in Case of Copper - Carbon Steel Joints</i>, <i>Metalurgia International</i> nr. 7, ISSN 1582-2214, 2009, pag. 33-37, included in ISI Web of Knowledge. - Prize of CNCSIS for the scientific contribution <i>FSW - Characteristic Flaws in Aluminium Alloys Joints</i>, <i>Metalurgia International</i>, Vol. XIV, Sp. Is nr. 2, ISSN 1582-2214, 2009, pag.135-138, included in ISI Web of Knowledge. - Prize of CNCSIS for the scientific contribution <i>FEM model of the butt cold welding</i>, aparut in revista cotață ISI <i>Science and Technology of Welding and Joining</i> 12(5), ISSN 1362-1718, Sept. 2007, pp. 402-409, included in ISI Web of Knowledge. - Medal <i>Université dans la Société</i>, ACPART-Ministry of Education and Research and Université de Rouen-France (2006); - Diploma for meritorious activity of Romanian Welding Society (2006). Alte mentiuni: - Inclusion in <i>Who is Who</i> publication, 2009.

Books, paper published, research R&D projects, EU projects *	2005 - 2009	Total
A. PhD – Industrial Engineering Field	-	1
B. Books	5	10
C. Papers published in scientific journals:	35	62
C.1. journals included in ISI Web of Knowledge	6	6
C.2. international journals (International Databases – IDB)	9	9
C.3. national journals (International Databases - IDB)	14	39
C.4. national journals of category B	6	8
D. Papers published in International Conferences Proceedings; (with ISSN or ISBN);	37	69
D.1. international Conferences Proceedings included in ISI Web	5	5
D.2. international Conferences Proceedings (IDB)	18	30
D.2. international Conferences Proceedings (ISBN)	11	20
D.3. national Conferences Proceedings (ISBN)	2	14
G. Other papers/scientific reports	14	22
G.1. papers published in international journals or International Conferences Proceedings in the field of university management and HRD	5	11
G.2. research reports (Internet published)	9	11
F.1. National R&D and innovative projects	6	19
F.2. Grants funded by EU	4	10

Annexes

List of Published Books
List of Published Scientific Papers
List of Research Contracts
List of International Projects

December 2009.

Prof. Dr. Eng. Elena SCUTELNICU

LIST OF BOOKS, PAPERS PUBLISHED, RESEARCH R&D AND EU PROJECTS

A. PhD thesis – Cum Laude

- ✓ **Scutelnicu E.**, *Cercetari teoretice si experimentale privind procesele termice la sudarea imbinarilor eterogene (Theoretical and experimental researches on the thermal processes in dissimilar metals welding)*, Universitatea Dunarea de Jos din Galati, Romania, februarie 2003.

B. Books

B.1. Books: 9

1. **Scutelnicu E.**, Visan D., *Capitolul Educatie si Cercetare Mecatronica la Universitatea Dunarea de Jos din Galati/Platforme Mecatronice pentru Educatie si Cercetare*, coordonator Vistrian Maties, Editura TODESCO, Cluj-Napoca, ISBN 978-973-7695-79-6, 2009
2. **Scutelnicu E.**, *Bazele proceselor de sudare*, e-book, ISBN(13) 978-973-627-365-0 Editura Fundatiei Universitare Dunarea de Jos, Galati, Romania, 2007, 212 pag.
3. Iordachescu, D., Iordăchescu, M., **Scutelnicu, E.**, *Traductoare si senzori (Sensors and Transducers)*, e-book, ISBN-10 973-627-350-4, ISBN-13 978-973-627-350-6 Editura Fundatiei Universitare Dunarea de Jos, Galati, Romania, 2006, 152 pag.
4. **Scutelnicu, E.**, Oprea, R., Angheluta, L., Untu, D. – *Initiere si Consiliere pentru Debutul in Afaceri*, ISBN 973-30-1929-1, Editura Didactica si Pedagogica, Bucuresti, 2005, Romania, 131 pag.
5. Iordachescu, M., **Scutelnicu, E.**, Iordachescu, D. – *Stimularea potentialului de dezvoltare a IMM-urilor*, ISBN 973-30-1366-8, Editura Didactica si Pedagogica, Bucuresti, 2005, Romania, 79 pag.
6. **Scutelnicu, E.** – *Simularea prin Element Finit a Proceselor Termice din Imbinarile Sudate Eterogene*, e-book, ISBN 973-627-088-2, Editura Fundatiei Universitare Dunarea de Jos din Galati, 2004, Romania, 104 pag.
7. Iordachescu, M., **Scutelnicu, E.**, Iordachescu, D., Stanca, C. – *Concepte in Managementul Calitatii Totale*, ISBN 973-627-082-3, Editura Fundatiei Universitare Dunarea de Jos din Galati, 2004, Romania, 106 pag.
8. **Scutelnicu, E.**, Iordachescu, M., Tofan, C. – *Managementul Calitatii Totale*, e-book, ISBN 973-627-087-4, Editura Fundatiei Universitare Dunarea de Jos din Galati, 2004, Romania, 80 pag.
9. **Scutelnicu, E.**, Constantin, E., Iordachescu, D. – *Modelarea Proceselor Termomecanice de Asamblare*, ISBN 973-627-078-5, Editura Fundatiei Universitare Dunarea de Jos din Galati, 2003, Romania, 132 pag.

B.2. Courses/Laboratory tests

1. **Scutelnicu, E.** - *Modelarea Proceselor Termomecanice de Asamblare*, Indrumar de laborator, Editura Fundatiei Universitare Dunarea de Jos din Galati, 2003, Romania, 79 pag.

C. Papers published in international journals or in journals recognized by CNCIS

C.1. - papers published in international journals included in ISI Web of Knowledge: 6

1. **Scutelnicu E.**, Iordachescu M., Iordachescu D., *Arc Welding of Dissimilar Metals; FEA and Experiments in Case of Copper - Carbon Steel Joints*, Metalurgia International nr. 7, ISSN 1582-2214, 2009, pag. 33-37.
2. Iordachescu M., Iordachescu D., Planas J., **E. Scutelnicu**, Ocaña J.L., *Material Flow, Hardening at Butt Cold Welding of Aluminium*, Journal of Materials Processing Technology, Volume 209, Issue 9, 1 May 2009, pag. 4255-4263
3. Iordachescu M., Iordachescu D., **Scutelnicu E.**, *Cold Press Welding of Aluminium – Original Theoretic and Experimental Approach*, Metalurgia International, Vol XIV nr. 11, ISSN 1582-2214, 2009, pag. 71-78..
4. Iordachescu M., Iordachescu D., Ocana J.L., Vilaca P., **E. Scutelnicu**, *FSW - Characteristic Flaws in Aluminium Alloys Joints*, Metalurgia International, Vol. XIV, Sp. Is nr. 2, ISSN 1582-2214, 2009, pag.135-138.
5. Iordachescu M., Iordachescu D., Blasco M., **Scutelnicu E.**, *Comparative Analysis of the Friction Stir Processing Effects on as Cast and Rolled Plates of Aluminium Alloys*, Metalurgia International, Vol. XIV, Sp. Is nr. 7, ISSN 1582-2214, 2009, pag. 99-104.
6. Iordachescu, M., Iordachescu, D., **Scutelnicu, E.**, Ocana, J.L., *FEM model of the butt cold welding*, Science and Technology of Welding and Joining 12(5): 402-409 Sep 2007, ISSN 1362-1718, September 2007, pp. 402-409.

C.2. - papers published in international journals included in international databases (IDB): 9

<http://www.scopus.com/scopus/record/display.url?view=basic&origin=resultslist&eid=2-...>
http://www.engineeringvillage2.org/controller/servlet/Controller?EISESSION=1_11f23e...
<http://www.ingentaconnect.com/search/article?author=scutelnicu>
<http://www.iw-iis.org/iw/iw%20databases/technical/showdoc.cgi?verID=73&line=0&t=296755> (International Institute of Welding)

<http://www.getinfo-doc.info/en/> (Specialist Information on Science and Technology)

<http://tiborder.gbv.de/psi/LNG=EN/DB=2.56/CMD?ACT=SRCHA&IKT=1007&SRT=YOP&TRM=RN171718087>

1. Iordachescu M., Iordachescu D., Ocaña J.L., Vilaça P., **Scutelnicu E.**, *Contribution to the Classification of the Characteristic Flaws in Friction Stir Welded Aluminium Butt Joints*, Welding in the World, Vol 53 Sp. Is., 2009, Editura Elsevier, ISSN 0043-2288, pag. 259-264.
2. Iordachescu D., Iordachescu M., Blasco M., **Scutelnicu E.**, Ocaña J. L., *Temperature influence on black & white joints characteristics*, Document tehnic IIW Doc. IV-976-09, XII-1966-09, 212-1142-09, International Institute of Welding, pag. 1-13
3. **Scutelnicu E.**, Iordachescu M., Iordachescu D., *Structural modifications in the heterogeneous welded joints*, Welding in the World, Vol 52, SPI, ISSN 0043-2288, Editura Elsevier, France, 2008, pag. 185-189.
4. [Iordachescu, M.](#), [Ruiz Hervías, J.](#), [Iordachescu, D.](#), [Scutelnicu, E.](#), [Porro, J.A.](#), *Residual stress analysis of friction stir processed AA6061*, Welding in the World, Vol 52, SPI, ISSN 0043-2288, Editura Elsevier, France, 2008, pag. 753-757.
5. Iordachescu M., Iordachescu D., Ruiz Hervías J., **Scutelnicu E.**, Porro J.A., *Residual stress analysis of friction stir processed AA6061*, Technical document IIW (International Institute of Welding) nr. III-1502-08, 2008, 7 pag.
6. **Scutelnicu, E.**, Iordachescu, M., Iordachescu, D., *Spot Fusion Welding Simulation*, Welding in the World, vol. 51 SPI, Editura Elsevier, France, 2007, ISSN 0043-2288, pp. 701-710.
7. Iordachescu, M., Iordachescu, D., **Scutelnicu, E.**, Vilaça, P., Birsan, D., Ocaña, J.L., *Aluminium Friction Stir Processing – Roughness vs. Macro/Microscopically Results*, Welding in the World, vol. 51 SPI, Editura Elsevier, France, 2007, ISSN 0043-2288, pp. 441-448.
8. Iordachescu, D., Georgescu, B., Iordachescu, M., **Scutelnicu, E.**, Blasco, M., *MAGNETARC Welding - Equipment Peculiarities and Joint Characteristics*, Welding in the World, vol. 51 SPI, Editura Elsevier, France, 2007, ISSN 0043-2288, pp. 367-376.
9. **Scutelnicu E.**, Constantin E., Iordachescu M., *Heat transfer simulation in carbon steel – copper welded joints*, Welding in the World (Soudage dans le Monde), ISSN 0043-2288, Ed. ELSEVIER, France, vol. 49, special issue – 2005, pp. 361-367.

C.3. - papers published in national journals, international databases indexed (BDI) and recognized by CNCSIS (B*): 39

<http://www.csa.com> (Cambridge Scientific Abstracts)

<http://wv250.twisoftware.com/webview/?session=64138357&infile=details.glu&loid=57257&rs=8943&hitno=2> (The Welding Institute)

<http://www.intute.ac.uk/sciences/cgi-bin/fullrecord.pl?handle=20090106-09594746> (INTUTE – UK)

http://catalogue.bl.uk/F/ST684UF3H2UIECSXMU2QT8UUP3L3ASD325HL3TRE9AI1EBX8R-12795?func=full-set-set&set_number=012610&set_entry=000001&format=999 (British Library- Integrated Catalogue)

<http://copac.ac.uk/wzgw?id=8916874&f=u&esn=F&rsn=1&m=1> (British Union Catalog COPAC)

http://opac.nebis.ch/F/ME749HX2V6RBK17QG8DU6CBT71FD1S5GB8YKH6RAX7PED6ABC1-01047?func=full-set-set&set_number=077808&set_entry=000002&format=999 (NEBIS ZB/Zurich)

<http://tws.gbv.de/DB=2.63/CHARSET=ISO-8859-1/IMPLAND=Y/LNG=DU/SRT=YOP/TTL=1/SID=6c8d1a75-39/SET=1/SHW?FRST=1> (TIB Hannover-TIBORDER)

<http://dispatch.opac.ddb.de/DB=1.1/SET=1/TTL=2/LNG=EN/SHW?FRST=2> (ZDB German Union of Serials)

<http://gso.gbv.de/DB=2.1/SET=1/TTL=1/LNG=EN/SHW?FRST=1&N> (GBV Union Catalog Northern Germany)

http://193.30.112.134/F/37NCF89EBDET1NGFT7QKVB87NHFQA34C7KILCY6TQ237SNXT7P-00675?func=full-set-set&set_number=007816&set_entry=000001&format=999 (HBZ, Union Catalog North Rhine-Westphalia)

[http://fama.us.es/search*spl/X\(Analele\)&searchscope=5&Da=&Db=&p=&SORT=R/X](http://fama.us.es/search*spl/X(Analele)&searchscope=5&Da=&Db=&p=&SORT=R/X) (FAMA Catalogue, [Sevilla](#) University, Spain)

<http://rebiun.crue.org/cgi-bin/abnetop/X16236/ID1742346771/NT21> (REBIUN - Catalogo colectivo de la red de Bibliotecas Universitarias y Científicas Españolas)

1. **Scutelnicu E.**, Birsan D., Iordachescu M., *Computational modelling of friction stir welding – initial plunging phase*, The Annals of “Dunarea de Jos” University of Galati, Fascicle XII, Welding Equipment and Technology, Year XX, 2009, ISSN 1221 – 4639, pag. 21-26.
2. **Scutelnicu E.**, Iordachescu M., Iordachescu D., *Arc welding of dissimilar metals: FEA and experiments in case of copper – carbon steel joints*, Metalurgia nr.1, 2009, Editura FMR, ISSN 0461-957, pag. 16-20
3. Iordachescu M., Iordachescu D., **Scutelnicu E.**, *Cold press welding of aluminium – original theoretic and experimental approach*, Metalurgia nr.5, 2009, Editura FMR, ISSN 0461- 95, pag. 5-11.
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12. Constantin, E., Iordachescu, M., **Scutelnicu, E.**, *Noi abordari in evaluarea proiectarii imbinarilor cap la cap din aluminiu utilizand simularea cu elemente finite*, Conferinta Internationala ASR: Realizari si perspective in fabricatia structurilor sudate pentru medii urbane, SUDURA, ISBN 973-8359-14-7, 11 July 2003, Bucharest, Romania, pp. 317-325.
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14. Iordachescu, M., Georgescu, V., **Scutelnicu, E.**, Mihailescu, D., *Finite Element Modelling Start-Up Research On Light Materials Deformation, Cold Hardening*, 11th International Metallurgy and Materials Congress, ISBN 975-395-553-7, 4-9 June, 2002, Istanbul, Turkey.
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D.4. - papers published in National Conferences Proceedings (ISBN/ISSN): 14

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2. Iordachescu M., **Scutelnicu E.**, Birsan D., Nenita G., *Transferul termic la sudarea cu element activ rotitor – FSW*, Sudura 2008 – Noutati in domeniul materialelor, echipamentelor si proceselor de sudare, ISSN 1843-4738, 17-19 septembrie 2008, Buzau, pag. 63-75.
3. Georgescu V., **Scutelnicu E.**, Mircea O., *Noi aspecte ale controlului magnetic al imbinarilor sudate*, Sudura 2008 – Noutati in domeniul materialelor, echipamentelor si proceselor de sudare, ISSN 1843-4738, 17-19 septembrie 2008, Buzau, pag. 76-83.

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5. Iordăchescu, M., **Scutelnicu, E.,** Georgescu, V., *Analiza termografică a îmbinărilor sudate la rece, cap la cap din aluminiu*, Conferința A.S.R. 2004, ISBN 973-8359-25-2, 15-17 septembrie, 2004, Editura Sudura, Timișoara, pp. 244–250.
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9. **Scutelnicu, E.** – Particularitati tehnologice la sudarea oțelurilor eterogene, Simpozion “Tehnologii speciale și neconventionale”, Vol.I, Galati, 12-13 oct., 1995, pag. 347-350.
10. **Scutelnicu, E.** - Determinarea tendinței de fisurare la cald a aluminiului prin aplicarea testului Houldcroft, Lucrările celei de-a VIII-a Conferințe de Tehnologii Moderne de Sudare, Vol.I, Galati, 1993, pag. 125-128.
11. **Scutelnicu, E.** - Cercetări privind influența compoziției chimice a cusăturii la îmbinările sudate eterogene, Lucrările celei de-a VIII-a Conferințe de Tehnologii Moderne de Sudare, Vol.I, Galati, 1993, pag. 137-139.
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E. Inventions

Not appropriate.

F. R&D and innovative projects (contract/grant)

F.1. – national R&D and innovative projects: 19

1. *Dezvoltarea unor metode și tehnici inovative de îmbinare a materialelor eterogene prin sudare prin frecare cu element activ rotitor – TIMEF*, Contract PNCD II 72174/2008, CNMP, 2008-2011, proiect manager.
2. *Analytical Models for Temperature Prediction on Welding*, grant mobilitate cercetatori PN-II-RU-MC-2008, cod CNCIS 26, , 1st International Congress on Welding and Joining Technologies, Madrid-Spania, proiect manager
3. *Tehnologii Inovative și Ecologice de Procesare a Materialelor Avansate, prin Frecare cu Element Activ Rotitor (FSW) - TIPMAV*, Contract CEEX 66/2006 MedC – MATNANTECH, 2006-2008, member in the research team.
4. *Cercetări Fundamentale și Aplicative privind Realizarea Bronzurilor CuNiAl destinate Recondiționării Elicelor Navale – ELNAV*, Contract CEEX 322/2006 MedC – RELANSIN, 2006-2008, member in the research team.
5. *Sistem de monitorizare și comanda a proceselor de brazare cu arc electric a tablelor subtiri pentru autovehicule*, MECT-CNCIS, cod 440, tema 6, 2004-2006, member in the research team.
6. *Verificarea Experimentală prin Metoda Termografierii a Distribuției Temperaturilor în Îmbinările Sudate Eterogene*, Grant CNCIS tip A, contract 34672/24.06.2005, tema 4, M.E.C.T. cod C.N.C.S.I.S. 1021, executive manager.
7. *Modelarea cu Elemente Finite a Transferului Termic în Îmbinările Sudate Eterogene*, Grant CNCIS tip A, contract 33334/2004, tema 3, M.E.C.T. cod C.N.C.S.I.S. 1021, executive manager.
8. *Soluții analitice pentru predicția temperaturilor în îmbinările sudate*, Grant CNCIS tip A, contract 41273/2003 tema 1, M.E.C.T. cod C.N.C.S.I.S. 1021, executive manager.
9. *Cercetări privind utilizarea asamblărilor cu strângere realizate hidrostatic în industria navală*, Grant CNCIS tip A, contract 33251/2003, tema 4, M.E.C.T. cod C.N.C.S.I.S. 379, member in the research team.
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11. *Poziționarea subacvatică a conductelor magistrale*, Grant CNCISIS tip A, contract 33445/2002, tema 8, M.E.N. cod. CNCISIS 107, member in the research team.
12. *Sudarea conductelor magistrale*, Grant CNCISIS tip A, contract 34976/2001, tema 20, M.E.N. cod C.N.C.S.I.S. 554, member in the research team.
13. *Monitorizarea arcului electric prin vedere artificială*, Grant CNCISIS tip A, contract 36976/2001, tema 3, M.E.N. cod C.N.C.S.I.S. 817, membru in echipa de cercetare.
14. *Modelarea fenomenelor fizice din plasmă*, Grant CNCISIS tip A, contract 36943/2000, tema 10, M.E.N. cod C.N.C.S.I.S. 817, member in the research team.
15. *Plasma arcului electric de sudare*, Grant CNCISIS tip A, contract 34234/1999, tema 8 - M.E.N. cod C.N.C.S.I.S. 411, member in the research team.
16. *Modelarea proceselor și sistemelor tehnologice și neconvenționale de sudare cu arc electric*, Grant CNCISIS tip A, contract 80/1995 M.I. și C.N.C.S.U, member in the research team.
17. *Cercetări privind analiza de proces și realizarea echipamentelor necesare sudării antigraționale*, Grant CNCISIS tip A, contracte 1880/1992, 1993, 3007/1994, M.I.-D.G.I.S.C.S.U, member in the research team.
18. *Cercetări Tehnologice privind introducerea debitării cu plasmă a oțelurilor navale*, Contract cercetare 16.1.05/1992 ICEPRONAV Galați, proiect coordonator.
19. *Cercetări privind introducerea sudării electrice în baie de zgură inelară la realizarea structurilor din materiale eterogene: Tipuri de uzură specifice cilindrilor de laminor. Metode de fabricare și recondiționare a cilindrilor*, contract 25/1.01.1992, – Ministerul Învățământului și Științei, member in the research team.

F.2. – grants funded by EU: 10

1. *Conceperea și implementarea unui sistem de inițiere și consiliere pentru debutul în afaceri - CISICA*, RO-2002/000-586.05.02.02.103, CE-Romania, Economic and Social Cohesion, HRD, 2004-2005, project manager.
2. *Guidance and Counselling for Self-Employment - SELFEMPLOYMENT*, PL/04/F/RF-84151, 2004-2242/001-001 LE2-510RE, ASM, CE-Poland 2004-2007, member in the research team.
3. *Carrier Counselling in Lifelong Learning using New ICT Approach and Tools – VIRCOUNS*, P/04/9/P/PP-159035, CE-Portugal, 2004-2006, member in the research team.
4. *Analysis and Comparative Study on construction inspection job performance regulations. European comparative study - KNOWLEDGE* PL/04/F/RF-84152, 2243/001-001 LE2-510REF, ASM, CE-Poland, 2004-2005, project vice-manager.
5. *Empowering Employees to Manage their own Outplacement Process- EMOP*, D/03/B/F/PP – 146061, CE-Germany, 2004-2005, project vice-manager.
6. *Right person for the right job – RIPERJO*, A/02/B/F/PP/124.20, CE-Austria, 2002-2005, technical manager.
7. *Rețea Regională de Centre de Formare Continuă și Managementul Calității Totale – REFORM* RO.007.02.01.01.0314, PHARE 2000 Project, Economic and Social Cohesion, HRD, 2003, member in the research team.
8. *Statistical Indicators for Benchmarking the Information Society - SIBIS+*, Research Project FP5/IST-2000-26276 /IST 2001-3, CE-Germany, 2002-2003, member in the research team.
9. *New ICT Didactic Methods & Tools for Higher Education - NEWMIT*, RO/2002/89056/EX, RO- EC, 2002, membru în colectiv.
10. *Development of ODL Centre through Underwater Technologies*, TEMPUS S_JEP 12466 – 97, CE-RO, 1997-2001, member in the research team.

G. Other papers and scientific reports

G.1. – papers published in international conference proceedings and journals in the field of university management and human resources development (HRD), vocational training collaborative research: 11

1. **Scutelnicu, E.**, Iordachescu, M., Oprea, R. – *Assesment of Initiation and Advising System for the Start-up of the Business*, Fourth International Workshop Information Society – Trends, Policies and Strategies, 25-26 August 2006, Galați, Romania.
2. **Scutelnicu, E.**, Constantin, E., Oprea, R. – *Evaluation of Initiation and Advising Systems for the Business Debut*, International Conference University in Society University and Economy – Partners in Education and Training, 18-23 August 2006, Cluj-Napoca, Romania.
3. Iordachescu, M., **Scutelnicu, E.**, Iordachescu, D. – *Knowledge Project Survey Results on Construction Inspectors' Vocational Training*, International Conference University in Society University and Economy – Partners in Education and Training, 18-23 August 2006, Cluj-Napoca, Romania.
4. Iordachescu, M., **Scutelnicu, E.**, Iordachescu, D., Arton, D., Stan, C. – *Construction inspectors in Romania and Internet Usage in their Vocational Self-improving*, 3rd SIBIS – International Workshop: Information Society, Trends, and Policies, ISBN 973-627-050-5, Dunarea de Jos University Foundation Publishing, August 2005, Galați, Romania, pag. 46-52.
5. **Scutelnicu, E.** - *Conception et implémentation d'un système d'initiation et de consultation pour le début dans les affaires – CISICA*, ISBN 973-596-305-1, Editura Paideia, București, 18-25 Juillet 2005, Cherbourg, France, pag. 99-107, http://www.uniso.ro/index.php?option=com_content&task=view&id=34&Itemid=43

6. **Scutelnicu, E.**, Iordăchescu, M., Constantin, E. - *RIPERIO – Right Person in the Right Job: Training and Vocational Guidance Modules developed by Dunarea de Jos University of Galati*, Université dans la Société - UNISO 2004, Troisième Edition, ISBN 973-596-261-6, 20-25 Iulie 2004, Galati, Romania. pag. 127 – 134.
7. Iordăchescu, M., **Scutelnicu, E.**, Sarpe, D. – *Involvement of Dunarea de Jos University of Galati in the Vocational Training Platform Development: LdV – EMOP project*, Université dans la Société - UNISO 2004, Troisième Edition, ISBN 973-596-261-6, 20-25 Iulie 2004, Galati, Romania. pag. 149 – 157.
8. Constantin, E., **Scutelnicu, E.**, Iordăchescu, M. – *European Integration: A Sustainable Development Priority for Dunarea de Jos University*, International Journal of the Black Sea Universities Network, Letters from the Black Sea, ISSN 1454-18-66, Volume May 2004, Published by the International Permanent Secretariat of the Black Sea Universities Network, pag. 42-46.
9. Iordăchescu, M., **Scutelnicu, E.**, Iordăchescu, D., Arion, Doinita – *E-Government Implementation Stage in Romania*, SIBIS-Workshop: Information Society, Trends & Policies, ISBN 973-627-050-5, August 2003, Galati, Romania, pag. 11-18.
10. Iordăchescu, M., **Scutelnicu, E.**, Iordăchescu, I. – *Continuing Education Implementation on the Information Society and the Leonardo da Vinci Program in Romania*, SIBIS-Workshop: Information Society, Trends & Policies, ISBN 973-627-050-5, August 2003, Galati, Romania, pag. 34-39.
11. Constantin, E., Iordăchescu, M., Georgescu, L., **Scutelnicu, E.** - *Dunarea de Jos University in a Long - Lasting Development Framework*, Université dans la Société - UNISO 2003, L'Université – moteur du développement régional en Europe, Editia a II-a a Scolii de Vara UNISO, Editura Paideia, ISBN 973-596-201-2, 15-20 Iulie 2003.

G.2. – scientific/technical reports:

1. **Scutelnicu E.**, Birsan D., Iordăchescu M., Visan D., Mircea O., *Actualizarea Analizei Documentare. Metodologie de Caracterizare a Îmbinărilor Sudate*, Dezvoltarea Unor Metode si Tehnici Inovative de Imbinare a Materialelor Eterogene prin Sudare prin Frecare cu Element Activ Rotitor - TIMEF, Contract PN II nr. 72-174, Autoritatea contractantă: Centrul Național de Management Programe – CNMP, 15.01.2009, 60 pag.
2. Constantin, E., **Scutelnicu, E.**, Iordăchescu, M., Mircea, O., Visan, D. - Raport tehnico-stiintific – etapa a VI-a: *Optimizare scula de sudare. Aplicatii potentiale*, Tehnologii inovative si ecologice de procesare a materialelor avansate, prin frecare cu element activ rotitor - TIPMAV, CEEEX-MEC, MATNANTECH, 66/2006, 04.06.2008, 25 pag.
3. Constantin, E., Birsan, D., **Scutelnicu, E.**, Iordăchescu, M., Mircea, O., Visan, D. – *Raport tehnico-stiintific – etapa a V-a, Modelare În Câmp Cuplat. Validare Model. Caracterizare Structuri Sudate. Modificarea Proprietăților Superficiale*, Tehnologii inovative si ecologice de procesare a materialelor avansate, prin frecare cu element activ rotitor - TIPMAV, CEEEX-MEC, MATNANTECH, 66/2006, 2008, 55 pag.
4. Constantin, E., Georgescu, V., Iordăchescu, M., Birsan, D., **Scutelnicu, E.** - *Raport tehnico-stiintific – etapa a III-a: experimentări - îmbinări omogene și eterogene. Modelare tensiuni. Caracterizare imbinari*, Tehnologii inovative si ecologice de procesare a materialelor avansate, prin frecare cu element activ rotitor - TIPMAV, CEEEX-MEC, MATNANTECH, 66/2006, 2007, 82 pag.
5. Iordăchescu, M., **Scutelnicu, E.**, Birsan D., *Raport tehnico-stiintific – etapa a II-a: Modelarea proceselor termice la sudarea FSW*, Tehnologii inovative si ecologice de procesare a materialelor avansate, prin frecare cu element activ rotitor - TIPMAV, CEEEX-MEC, MATNANTECH, 66/2006, 2007, 24 pag.
6. Iordăchescu, M., **Scutelnicu, E.**, *Raport tehnico-stiintific – etapa I: Bazele procesului. Caracteristici micro-structurale*, Tehnologii inovative si ecologice de procesare a materialelor avansate, prin frecare cu element activ rotitor - TIPMAV, CEEEX-MEC, MATNANTECH, 66/2006, 2006, 39 pag.
7. Iordăchescu, M., **Scutelnicu, E.**, *Raport de sinteza: Bazele procesului. Caracteristici micro-structurale*, Tehnologii inovative si ecologice de procesare a materialelor avansate, prin frecare cu element activ rotitor - TIPMAV, CEEEX-MEC, MATNANTECH, 66/2006, 2006, 10 pag.
8. Iordăchescu, M., Mistodie, L., Iordăchescu D., **Scutelnicu, E.**, *Raport sinteza: Sistem de monitorizare si comanda a proceselor de brazare cu arc electric a tablelor subtiri pentru autovehicule*, MECT-CNCSIS, cod 440, tema 6, 2006, 8 pag.
9. **Scutelnicu, E.** – Raport de Evaluare a Cursurilor desfasurate prin proiectul PHARE 2002 – CISICA, http://www.cisica.ugal.ro/Raport_evaluare.pdf, 2006, 25 pages.
10. **Scutelnicu, E.**, Iordăchescu, M., *Evaluation of existing Train-the-Trainer Courses in Vocational Orientation & Career Guidance in A, BG, CY, D, E, FI, GR, I and RO, Romanian version, RIPERIO Report, A/02/B/F/PP/124.208, CE-Austria*, <http://www.riperio.org>, 2003, 13 pag.
11. Iordăchescu, M., **Scutelnicu, E.**, Iordăchescu D., Arion D. – *SIBIS Country Report: Romanian Report on Statistical Indicators for Benchmarking the Information Society*, http://www.empirica.biz/sibis/files/WP5.3_CountryReport_RO.pdf, 2003, 49 pages.

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