



Europass curriculum vitae

Personal information

Surname(s) / First name(s)

Address(es)

E-mail(s)

Nationality(-ies)

Date of birth

Gender

Gurău Marlen Carmela

Domnească Street no. 111, 800201 Galați, România

carmela.gurau@ugal.ro

Romanian

Jully 19th, 1964

F

Work experience

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

2008- 2010

Assistant Professor,

Research - Nanostructured materials, Shape Memory Alloys. Lecture Courses – Advanced and Biocompatible Materials, Total Quality Management, Supervision license projects.

University *Dunărea de Jos* of Galați, Faculty of Metallurgy and Material Science, Plastic Deformation Department, Domnească Street no. 111, 800201 Galați, Romania

Education

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

2003-2008

Assistant

Research-Shape Memory Alloys, Nanostructured materials. Laboratory classes in Materials Technology, Physic Metallurgy, Total Quality Management.

University *Dunărea de Jos* of Galați, Faculty of Metallurgy and Material Science, Plastic Deformation Department, Domnească Street no. 111, 800201 Galați, Romania

Education

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

2001-2003

Commercial Manager

Marketing, supply and sale management

SC ALTMOD SRL Brosteni Suceava, Romania

Food Industry

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

1999 -2000

Marketing Manager

Marketing Management

SC Coner Product SRL Galati, Romania

Food Industry

Dates

Occupation or position held

Main activities and responsibilities

1994-1999

Plan Privatization Chief

Production Planning, Lead shareholder area, Microeconomics Orientation

Name and address of employer SC INTFOR SA ,157 Portului Street, 800211, Galati Romania
Type of business or sector Metallurgical Industry

Dates 1991-1994

Occupation or position held Plan Engineer

Main activities and responsibilities Production Planning

Name and address of employer SC INTFOR SA ,157 Portului Street, 800211, Galati Romania

Type of business or sector Metallurgical Industry

Education and training

Dates 2008

Title of qualification awarded PhD in Materials Science and Engineering,

Title of the thesis Shape Memory Materials

Name and type of organisation providing education and training University *Dunărea de Jos* of Galați, Romania

Dates 2003-2008

Title of qualification awarded Economist

Principal subjects/Occupational skills covered Management

Name and type of organisation providing education and training Galați University, Faculty of Economics Science, Department Management of company

Dates 1983-1988

Title of qualification awarded Diplomat Engineer

Principal subjects/Occupational skills covered Materials, Plastic deformation and Thermal Treatments

Name and type of organisation providing education and training Galați University, Mechanical Faculty, Department Plastic Deformation and Thermal Treatments

Dates 1978-1982

Title of qualification awarded Bachelor

Principal subjects/Occupational skills covered Mathematics and Physics

Name and type of organisation providing education and training Mihail Kogalniceanu Secondary school Galați

Personal skills and competences

Mother tongue(s)

România

Other language(s)

*Self-assessment**European level (*)***English****French**

Understanding		Speaking				Writing			
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent User	C1	Proficient User	B2	Independent User	B1	Independent User	C1	Proficient User
B1	Independent User	C1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User

(*) *Common European Framework of Reference (CEF) level*

Social skills and competences

-good communication skills gained through my teaching and management experience;
 -team spirit;
 -good ability to adapt to multicultural environments, gained through abroad research collaboration.;

Organisational skills and competences

Leadership
 -1994-1999 Plan Privatization Chief
 -1999 -2000 Marketing Manager
 -2000-2003 Commercial Manager

Technical skills and competences

- Shape Memory Alloys
- Materials Testing Functional materials,
- Materials Science,
- Quality management

Computer skills and competences

good command of Origine
 good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™);

Additional information

Member of Romanian Society of Chemistry

Annexes

Complete list of papers

ANNEX

COMPLET LIST OF PAPERS

A. PH.D. THESIS - Gurau C., Shape Memory Materials, *Dunărea de Jos University from Galați*, 2008

B. BOOKS

1. Nicolae Cănanău, **Carmela Gurău**, Calitate totală., Editura Didactică și Pedagogică București, 2005, ISBN 973-30-1532-6, Ediție revizuită și îmbunătățită, 2008, 404 pag.
2. N.Cananau, Gh.Gurau, St.Dragomir, **C.Gurau**, Managementul calitatii si al productiei. ISBN 973-700-065-x, Editura Aius Caraiova, 2005, pag 148
3. Nicolae Cănanău, **Carmela Gurău** Sisteme de Asigurare a calității. Îndrumar de Laborator , Galați 2003, ISBN 973-0-03268-8, 131 pag.
4. Ion Chiriac, Constantin Zaharia, **Carmela Gurău**, Corneliu Palaga, Monografie“INTFOR 75 de ani de existență” Editura PORTO-FRANCO, Galați, 1996, ISBN953-557-442-x, 152 pag.
5. Victor Scorțanu, Doru Lupu, **Carmela Gurău**, Manual “INTFOR informații pentru potențialii investitori”, Galați 1997, SC INTFOR SA.

C. SCIENTIFIC PAPERS

1. Scientific paper published in ISI revues

- 1.F.M. Braz Fernandes, Karimbi K. Mahesh, Rui J. C. Silva, **Carmela Gurau**, Gheorghe Gurau XRD Study Of The Transformation Characteristics Of Severely Plastic Deformed Ni-Ti Smas, Physica Status Solidi (C) volume 7, issue 5, date: may 2010, pages: 1348-1350
2. **Carmela Gurau**, Elena Drugescu, Gheorghe Gurau, Nicolae Cananau, Heat Treatments On The 13% Alumunum Copper Based Shape Memory Alloy, Metalurgia International Vol. XIV(2009) No.12, ISSN 1582-2214, P 16-20
3. N. Cananau , **C. Gurau** , Gh. Gurau, Termodymanic Considerations At The Severe Plastic Deformtion, Metalurgia International Vol. XIV (2009) Special Issue No.3, ISSN 1582-2214,P. 73-76

2. Scientific paper published in BDI revues

1. The effects of high pressure torsion on pure copper Gheorghe GURAU,Carmela GURAU, Nicolae CANANAU, Florentina POTECASU, Victor DOGARU, F M Braz FERNANDES, Revista Metalurgia nr.7, p.11 2010

1. **Carmela Gurau**, Gheorghe Gurau, Effects Of Plastic Deformation And Temperature On Microstructural And Mechanical Properties Of A Cu Al Ni Shape Memory Alloy, The Annals Of “Dunarea De Jos” University Of Galati, Fascicle IX Metallurgy And Material Science, ISSN 1453 – 083X, 2009 VOL II, P
2. Gheorghe Gurau, **Carmela Gurau**, Dinel Tanase, Pure Aluminum Severe Plastic Deformed By Equal Channel Angular Pressing, The Annals Of “Dunarea De Jos” University Of Galati, Fascicle IX Metallurgy And Material Science, ISSN 1453 – 083X, 2009 VOL II, P
3. **Carmela Gurau**, Gheorghe Gurau, Nicolae Cananau, Florentina Potecasu, Victor Dogaru, F M Braz Fernandes, The Temperature Effect On Aluminium Severe Deformed By High Pressure Torsion, The Annals Of “Dunarea De Jos” University Of Galati, Fascicle IX Metallurgy And Material Science, ISSN 1453 – 083X, 2009 VOL II, P
4. N Cananau, **C Gurau**, G Gurau, On The Thermodynamic And Kinetics Of The Severe Plastic Deformation Process, Bulletin Of The Polytechnic Institute Of Jassy, Tomul LV (LIX), FASC 2, 2009, ISSN 1453-1690, P.15-22.
5. E Drugescu, G Gurau, FM Braz Fernandes, **C Gurau** And N Cananau, X Ray Diffraction Analysis Of Copper Based Shape Memory Alloy In Different State Plastic Deformation, Bulletin Of The Polytechnic Institute Of Jassy, Tomul LV (LIX), FASC4, 2009, ISSN 1453-1690, P.165-170.
6. **C. Gurau**, Gheorghe Gurau, F. M. Braz Fernandes, X-ray diffraction study of the reverse martensitic transformation in Cu-Al-Ni shape memory alloy, Analele Universității Dunarea de jos din Galati, Fascicula IX, Metalurgie, No. 2 din 2008, ISSN 1453-083X, pag.37
7. **C. Gurau**, G. Gurau, N. Cananau, Study of severe plastic deformation by torsion test, Analele Universității Dunarea de jos din Galati, Fascicula IX, Metalurgie, No. 2 din 2008, ISSN 1453-083X, pag.65
8. **C Gurau**, G Gurau, Petrică Alexandru, Nicolae Cananau, Two - way shape memory effect in a Cu-13wt.%Al-4 Wt.%Ni shape memory alloy by the thermo -mechanical cycling method, , Analele Universității Dunarea de jos din Galati, Fascicula IX, Metalurgie, No. 2 din 2007, pag.94, ISSN 1453-083X
9. G Gurau, **C Gurau**, Dinel TANASE, Elena Drugescu ,Severe plastic deformation an advanced method for nanostructuring shape memory alloys, , Analele Universității Dunarea de jos din Galati, Fascicula IX, Metalurgie, No. 2 din 2007, pag.111, ISSN 1453-083X
10. N Cananau, C Gheorghies, G Gurau, **C Gurau**, Changes of the fine structure and microstructure induced by semi-planetary rolling, Bulletin of the Polytechnic institute of Jassy, Tomul LII, 2007, ISSN 1453-083X, p.49-55
11. G. Gurau, **C. Gurau**, N. Andronache, Kinetic of Martensite Transformation in a Cu-13wt % Al-4 wt % Ni Shape Memory Alloy, Analele Universitatii „Dunarea de Jos” din Galati, fasc.9, Metalurgie si Stiinta Materialelor, ISSN 1453-083X nr.2, 2006, pag.95-98
12. **C Gurau**, G Gurau, Processing SMA from Cu-Al-Ni system, Analele Universitatii „Dunarea de Jos” din Galati, fasc.9, Metalurgie si Stiinta Materialelor, ISSN 1453-083X nr.1, 2006, pag. 49-54.

2. Scientific paper published in CNCSIS revues

1. E. Drugescu, **C. Gurău**, G. Gurău Influența tratamentelor termice asupra caracteristicilor unui AMF cu baza cupru, Lucrările celei de-a treia Conferință Națională a Academiei de Științe Tehnice din România, Cluj Napoca 12-13 noiembrie 2008, Ingineria Românească Trecut, Prezent și Viitor, Editura MEDIAMIRA ISBN 978 973 713 223 9, pag.249
2. G Gurau, **C.Gurau**, E Drugescu, F M Braz Fernandez, Martensite transformation in a Cu-13wt.%Al4wt.%Ni shape memory alloy, 39th International October Conference On Mining and Metallurgy, Socobanja, Serbia, 2007, p.258-264
3. G. Gurau, **C. Gurau**, N Cananau, D Hanganu, P Alexandru, Hard deformable Cu-13wt.%Al4wt.%Ni shape memory alloy, 39th International October Conference On Mining and Metallurgy, Socobanja, Serbia, 2007, p.258-264
4. G. Gurau, **C. Gurau**, D Tanase, Processing Smart Wires Cu Al Ni System, The 15th International Metallurgical and materials Conference, Metal 2006, 24-26 May 2006, Society for New materials and Technology, ASM International Czech Chapter, Technical University Ostrava, 2006 paper 91, ISBN 80-86840-18-2
5. N.Cănănaș, **C.Gurău**, G.Gurău, Total Quality elements in the academic management, TQSD Proceedings of the 7th International Conference on Technology and Quality for Sustained Development, 2006, organized by University Politehnica of Bucharest in cooperation with Politecnico di Milano, Italy, De Monfort University, United Kingdom, AGir Publishing House, paper 503, ISBN 973-720-35-7
6. G.Gurău. D. Tănase, **C.Gurău**, , Smart Memory Alloy Cu Based Extrusion, TQSD Proceedings of the 7th International Conference on Technology and Quality for Sustained Development, 2006, organized by University Politehnica of Bucharest in cooperation with Politecnico di Milano, Italy, De Monfort University, United Kingdom, AGir Publishing House, paper 113, ISBN 973-720-35-7
7. N.Cananaș, Gh.Gurau, **C.Gurau**, M.Anghel, Semiplanetary rolling, motivation and theoretical studies. UGALMAT 2005, Tehnologii si materiale avansate, Ed.Fundatiei universitare :”Dunarea de Jos” Galati, p. 111, ISBN 973 – 627 – 238–9
8. N.Cananaș, **C.Gurau**, Gh.Gurau, Aspects of quality management to the academic education. UGALMAT 2005, Tehnologii si materiale avansate, Ed.Fundatiei universitare :”Dunarea de Jos” Galati, p. 178, ISBN 973 – 627 – 238–9
9. G. Gurau, **C. Gurau**, Shape memory alloy thin wires, Modelling and Optimisation in Material Science, Odessa 2004, p.157, Astroprint, ISBN 966-318-117-6
10. N. Cananaș, **C. Gurau**, G. Gurau, New research on Semiplanetary Rolling, Modelling and Optimisation in Material Science, Odessa 2004, p.159, Astroprint, ISBN 966-318-117-6

11. G.Gurau, **C.Gurău**, O.Dima, The KIII Phase in Aluminum bronzes., Prediction in material Science, Odesa Ucraina, aprilie 2003, p173.Astroprint, ISBN 966-549-916-5

3. Scientific paper published in international conferences bulletins

1. F. M. Braz Fernandes, K. K. Mahesh, R. J. C. Silva, **C. Gurau**, G. Gurau, In situ XRD, DSC and Electrical Resistivity Analysis of Nanostructured Ni-Ti Shape Memory Alloys, MATERIAIS 2009 - Recent Advances In Characterization, Processing, Design And Modelling Of Structural And Functional Materials, 5/8 aprilie 2009, Lisbon, Portugal
2. K Mahesh, FM Braz Fernades, RJC Silva, **C Gurau**, G Gurau, In situ XRD study of the transformation characteristics of severe plastic deformed NiTi SMAs, E-MRS Fall Meeting 2009, Simposium H, Warsaw, University of Technology Poland, 14-18 Sept, 2009
3. F. M. Braz Fernandes, **C.Gurau**, G. Gurau, STRUCTURAL STUDY OF EXTRUDED CuAl13Ni4 SHAPE MEMORY ALLOY, ESOMAT Prague 2009, September 7-11, B1.49
4. G.Gurau, F. M. Braz Fernandes , **C. Gurau**, K. K. Mahesh, R. J. C. Silva, High pressure torsion (HPT) applied on Cu-Al-Ni shape memory alloy, ESOMAT Prague 2009, September 7-11, B1.50
5. F.M. Braz Fernandes, K.K. Mahesh, R.J.C. Silva, C. Gurau, **G. Gurau** , In situ XRD, DSC and electrical resistivity analysis of nanostructured Ni-Ti shape memory alloys , Paper accepted for presentation at Fifth International Materials Symposium the 5th to the 8th of April 2009 (MATERIAiS 2009), Lisbon, Portugal
6. F. M. Braz Fernandes, A. M. Pereira¹, K.K. Mahesh, R.J.C. Silva, and **C. Gurau**, In situ XRD study of the transformation characteristics of severely plastic deformed NiTi SMA Shape Memory Alloys Conference 21-25 Sept. 2008, Stresa Italy
7. G Gurau, **C.Gurau**, E Drugescu, F M Braz Fernandez, Martensite transformation in a Cu-13wt.%Al4wt.%Ni shape memory alloy, 39th International October Conference On Mining and Metallurgy, Socobanja, Serbia,2007, p.258-261
8. G Gurau, **C Gurau**, N Cananau, D Hanganu, P Alexandru, Hard deformable Cu-13wt.%Al4wt.%Ni shape memory alloy, 39th International October Conference On Mining and Metallurgy, Socobanja,2007, Serbia, p.262-264
9. **C.Gurau**, F.M.Braz Fernandes, G.Gurau, Cu-12.88Al-4Ni (wt %) Polycrystalline Shape Memory Alloy – Transformation Characteristics, European Congress on Advanced Material and Processes, 10-13 Sept 2007 Nurnberg, Germany
10. G.Gurau, **C.Gurau**, F.M.Braz Fernandes, Cu-12.88Al 4Ni (wt %) Polycrystalline Shape Memory Alloy- Elaboration and Characterization, European Congress on Advanced Material and Processes, 10-13 Sept 2007 Nurnberg, Germany

11. **C Gurau**, G Gurau, P Alexandru, N Cananau, Two - Way Shape Memory Effect In A In A Cu-13wt.%Al-4 Wt.%Ni Shape Memory Alloy By The Thermo -Mechanical Cycling Method, , Tehnologii și materiale avansate, Conferință Științifică UgalMat 2007, volI, Galați University Press,ISSN 1843-5807p. 97-106
12. Gheorghe Gurau, **Carmela Gurau**, Dinel Tanase, Elena Drugescu, Severe Plastic Deformation An Advanced Method For Nanostructuring Shape Memory Alloys, Tehnologii și materiale avansate, Conferință Științifică UgalMat 2007, volI, Galați University Press,. ISSN 1843-5807,p. 110-114
13. Gheorghe Gurau, **Carmela Gurau**, O Nouă Metodă De Deformare Plastică Severă Pentru Materiale Cu Memoria Formei Greu Deformabile, Tehnologii și materiale avansate, Conferință Științifică UgalMat 2007, ISSN 1843-5807, p.114-118
14. **C Gurau**, G Gurau, E Drugescu, Imbatranirea In Faza Martensitica A Aliajelor Cu Memoria Formei Cu Baza Cupru, Tehnologii și materiale avansate, Conferință Științifică UgalMat 2007, volI, Galați University Press,. ISSN 1843-5807,p. 102-105
15. **C Gurau**, G Gurau, N Cananau Total Quality Elements In The Academic Management, TQSD- Proceedings on the 7th* International Conference Technology and Quality for Sustained Development, 2006, p.134-140, AGIR Publishing House, ISBN 973-720-35-7
16. G Gurau, D Tanase, **C Gurau**, Smart Memory Alloy Cu Based Extrusion,TQSD- Proceedings on the 7th* International Conference Technology and Quality for Sustained Development, 2006 p.113-117, AGIR Publishing House, ISBN 973-720-35-7
17. N.Cananau ; Gh.Gurau ; **C.Gurau**; M.Anghel, Semiplanetary rolling, motivation and theoretical studies. UgalMat – Conferinta cu participare internationala Tehnologii Si Materiale Avansate, Proceeding, Galati Oct. 2005 p.111 -117, Ed. Fund. Univ. Dunarea de Jos Galati, ISBN 973 – 627 – 238–9
18. N.Cananau; **C.Gurau**; Gh.Gurau, Aspects of quality management to the academic education., UGALMAT 2005-Tehnologii si materiale avansate, Conferinta cu participare internationala Galati, Oct. 2005, 2005,p. 178-184, Editura Fundației Universității „Dunarea de Jos” din Galati, ISBN 973 – 627 – 238–9
19. G. Gurău, **C., Gurău**, N. Cănanău, Cercetări privind obținerea prin deformare plastică a unor semifabricate din aliajul CuAl13Ni4. Lucrarile conferintei internationale „Tehnologii si materiale avansate”. Simpozionul National de Biometale. Universitatea Dunărea de jos Galați 2004 p..203-207, Ed. Fund. Univ. Dunarea de Jos Galati, ISBN-973-627-066-1
20. **C.Gurau**, G.Gurau, N.Cananau, Studiu cu privire la transformările structurale in aliajele cu memoria formei din sistemul Cu-Al-Ni, Lucrarile conferintei internationale „Tehnologii si materiale avansate”. Simpozionul National de Biometale, Universitatea Dunărea de jos Galați p. 138-142 Ed. Fund. Univ. Dunarea de Jos Galati, ISBN-973-627-066-1

21. **C. Gurău**, G. Gurău, N.Cănănău, Evaluarea sistematică la nivelul managementului calității proces fundamental în organizațiile cu specific de turnătorie, Conferința ART CAST 2004. Facultatea de Metalurgie și Știința Materialelor, Universitatea “Dunărea de Jos” Galați, 2004 Ed. Fund. Univ. Dunărea de Jos Galati, ISBN 973-8316-43-X.

22. G. Gurău, **Carmela Gurău** N.Cănănău, Auditul o formă de îmbunătățire continuă a sistemelor de management al calității în turnătorii, Conferința ART CAST 2004. Facultatea de Metalurgie și Știința Materialelor, Universitatea “Dunărea de Jos” Galați, 2004 Ed. Fund. Univ. Dunărea de Jos Galati, ISBN 973-8316-43-X.

E. RESEARCH PROJECTS BASED ON CONTRACT

National Projects

Member in grants team:

1. Oxide films nanostructured and multifunctional obtained by wet chemical methods 88GR/30.05.07 cod CNCISIS 667- **Area Manager Professor .dr. chem. Viorica Mușat**
2. Contract no 174/2004, INVENT Program, Process of reducing tension stress at slab continue cast 2005-2006. **Area Manager Professor .dr. eng. Nicolae Cănanău**
3. Phare Program: - Training program for development of management, organization and control ability in company management, human resources, quality, accounting and production. COD PERSEUS RO2002/000-586.05.02.02.101, 50000 Euro, **Area Manager Professor .dr. eng. Marian Bordei**
4. Development of delicatessen from Broșteni, Suceava, M.D.P. Program for committal business in under-privileged areas, 2000-2001, contract no 13/ 28 December 2000. **Area Manager Professor dr. eng. Petru Alexe**