Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Maria DINESCU**
Address(es)	
Telephone(s)	
Fax(es)	
E-mail	
Nationality	
Date of birth	
Gender	

Desired employment / Occupational field

Senior Scientific Researcher I

Work experience

Dates	**2006 – present**
Occupation or position held	Professor at Doctoral School
Main activities and responsibilities	PhD thesis coordinator
Name and address of employer	University of Craiova, Craiova, Romania
Type of business or sector	-
Dates	May -July 1999, May – July 2001, June 2006
Occupation or position held	Invited professor
Main activities and responsibilities	Lasers and applications, reactive laser ablation for deposition of thin films with thermoelectric properties
Name and address of employer	Ecole des Mines, Polytechnic Institute of Loraine, Nancy, France
Type of business or sector	-
Dates	**June 1999 - present**
Occupation or position held	Scientific researcher 1st degree, Research Group Leader: Photon processing of advanced materials"
Main activities and responsibilities	Research Group Leader, Laser processing and characterization of thin films (functional oxides, polymers, biomaterials)
Name and address of employer	INFLPR, Magurele
Type of business or sector	National Research Institute
Dates	**September – December 1999**
Occupation or position held	High level scientist
Main activities and responsibilities	Thin films processing by laser techniques
Name and address of employer	Orleans University, GREMI, Orleans, France
Type of business or sector	-
Dates	**January - April 1998, February – May 1999, October 2002 – January 2003**
Occupation or position held	Invited professor
Main activities and responsibilities	Thin films deposition by laser ablation; Laser processing

Name and address of employer	Johannes Kepler University, Applied Physics Institute, Linz, Austria
Type of business or sector	-
Dates	**May 1992 – May 1999**
Occupation or position held	Scientific researcher 2nd degree
Main activities and responsibilities	Laser processing and characterization of thin films
Name and address of employer	IFTAR - INFLPR, Magurele
Type of business or sector	Romanian National Institution
Dates	**Oct 1978 – May 1992**
Occupation or position held	Physicist
Main activities and responsibilities	Laser interaction with matter
Name and address of employer	IFTAR (future INFLPR), 409 Atomistilor Street, Magurele, Romania
Type of business or sector	Romanian National Institution

Education and training

Dates	**December 2006**
Principal subjects/occupational skills covered	Laser printing of organic/biological materials
Name and type of organization providing education and training	ETH Zurich, Switzerland
Level in national or international classification	-
Dates	**May 2005**
Principal subjects/occupational skills covered	Matrix Assisted Pulsed Laser Evaporation-Direct Writing of living cells
Name and type of organisation providing education and training	Naval Research Laboratory, Washington DC, USA
Level in national or international classification	-
Dates	**1985-1992**
Title of qualification awarded	PhD in Physics
Principal subjects/occupational skills covered	Laser processing and characterization of functional oxides thin films
Name and type of organization providing education and training	Institute of Atomic Physics
Level in national or international classification	Summa cum laudae
Dates	**September 1973 – August 1978**
Title of qualification awarded	Degree in Physics
Principal subjects/occupational skills covered	Plasma physics: Electronic gun with plasma""
Name and type of organization providing education and training	University of Bucharest, Faculty of Physics
Level in national or international classification	Recommended for specialization « Optics, Spectroscopy. Plasma, Lasers »
Level in national or international classification	Recommended for scientific research activity

Mother tongue(s)	**Romanian**
Other language(s)	**English, French, Italian**

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
Language	1	Very well		Very well		Very well		Very well		Very well
Language	2	Very well		Very well		Very well		Very well		well
	3	Very well		Very well		Very well		very well		well

(*) Common European Framework of Reference for Languages

Social skills and competences

Member of professional associations: European Physical Society (EPS), The International Society for Optical Engineering (SPIE), European Optical Society (EOS), Material Research Society (MRS)

Organisational skills and competences

Since 1998 – **The head of "*Photonic processing of advanced materials*" group** (21 members) at INFLPR, Lasers Department

Co-Editor of six books: i) Applied Surface Science Vol 278, E-MRS 2012 Symposium V , Laser materials processing for micro and nano-applications,(2013); ii) E-MRS Symposium Proceedings vol 197, "Photon Assisted Synthesis and Processing of Functional Materials", Eds. Maria Dinescu, Hirosi Fukumura, Henry Helvajian, Eric Millon, Tamas Szorenyi, Elsevier B.V. (2007), iii) PROCEEDING SPIE Vol. 6606, Eds. D.C. Dumitras, Maria Dinescu, V.I Konov, (2007), iv) MRS Symposium Proceedings Vol. 780, Advanced Optical Processing of Materials, Eds. D.B. Chrisey, Maria Dinescu, I.W. Boyd, A.V. Rode, (2003), v) PROCEEDING SPIE, Vol. 4762, Eds. D.C. Dumitras, Maria Dinescu, V.I Konov, (2002), vi) NATO-ASI, 3-Vol. 76, "Piezoelectric materials: Advances in Science Technology and Applications", Eds. Carmen Galassi, M. Dinescu, K. Uchino, M. Sayer, Kluwer Academic Publisher, (2000)

Director: NATO-Advanced Research Workshop (ARW): "Piezoelectric Materials: Advances in Science, Technology and Applications", Predeal, Romania, May 24-27, 1999

Co-Director: 2nd Intl. School "Laser-Surface Interactions for New Materials Production" S. Servolo (Venice, Italy) July 11-18, 2010

Co-Chair of International Conferences: i) E-MRS Symposium V**:** Laser materials processing for micro and nano applications", May 2012, Strasbourg, **France;** ii) E-MRS Symposium "Photon-Assisted Synthesis and Processing of Materials in Nano-Microscale", June 2006, Nice, **France,** iii) Advanced Laser Technologies" (ALT'06), Brasov 2006, **Romania**, iv) MRS Symposium "Advanced Optical Processing of Materials", April 2003, San Francisco, **USA**, v) "Advanced Laser Technologies" (ALT'01), September 2001, Constanta, **Romania**

Technical skills and competences

Senior Scientist fellow, several times for periods from 1 to 3 months at: i) "O.M. Corbino" CNR Institute Rome (Italy) – *Ferroelectric and piezoelectric thin films preparation by laser methods*; ii) GREMI, Orleans University (France) – *Nitrides thin films growth by laser techniques*; iii) University of Lecce (Italy) – *Hard coatings carbonitrides prepared by laser methods*; iv) University of Rome "La Sapienza" – *Functional oxides for electronic applications*;

- Romanian-Swiss Research Programme (RSRP)**;** *„Small band-gap nanostructured perovskite materials for photovoltaic and photocatalytic hydrogen generation applications"* (2013-2015)
- **Romanian coordinator of** 3 EU projects, 2 NATO "Science for Peace" projects, and 3 bilateral collaborations (France and Italy); Project director or responsible of over 30 national projects:
- FP7, FP7-ICT-2009-4-247868, e-LIFT *"Laser printing of organic/inorganic material for the fabrication of electronic devices"* project, (2010-2012)
- NATO-SfP Project Co-Director 982671 project, *Polymers based piezoelectric sensor array for chemical warfare agents detection,* (2007-2011)
- FP6, NMP3-CT-2006-033297**,** 3D-DEMO, *Single step 3D Deposition of complex nanopatterned Multifunctional Oxides thin films,* project (2006-2010)
- FP5 IST –2001-33326 **"***Piezoelectric sensor arrays for biomolecular interactions and gas monitoring"* (PISARRO) project (2002-2004)
- NATO SfP Project Co-Director 97-1934, "*Laser Based Clean Technologies for Smart Sensor Applications",* (1999-2002)

Patents: Teodorescu V, Nistor L, Ghica C, **Dinescu M**, Scarisoreanu N. „*Procedure for periodical structuring of sol-gel oxide thin films by processing with coherent laser radiation in pulses regime*", OSIM, Patent No. RO125349-A0 (30 Mar 2010)

Scientific coordination of: 5 doctorate thesis, 25 Master of Science thesis, 35 graduating theses

Computer skills and competences

Widows, XLS, Origin

Artistic skills and competences	Replace this text by a description of these competences and indicate where they were acquired. (Remove if not relevant, see instructions)
Other skills and competences	Replace this text by a description of these competences and indicate where they were acquired. (Remove if not relevant, see instructions)
Additional information	The results of activity materialized in over 150 papers that were published in ISI rated journals, and over 140 papers that were presented at international conferences. **Hirsch index**: ***20***; the total **number of citations** according to Web of Science (without self citations): **more than 1200**