



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **CHITANU ELENA**

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Nationality Romanian

Date of birth 17.09.1978

Gender F

Occupational field

Work experience

Dates ~~September 2007-2010~~ September 2007-2010

Occupation or position held ~~Researcher~~ Researcher

Main activities and responsibilities Participation to the activities involved in various research projects

Name and address of employer National Institute for R&D in Electrical Engineering ICPE-CA
National Institute for R&D in Electrical Engineering ICPE-CA
Splaiul Unirii Street, no. 313, Sector 3, Bucharest- 030138, Romania

Type of business or sector Scientific research
Scientific research

Dates September 2007-2010

Occupation or position held Junior Researcher

Main activities and responsibilities Participation to the activities involved in various research projects

Name and address of employer National Institute for R&D in Electrical Engineering ICPE-CA
Splaiul Unirii Street, no. 313, Sector 3, Bucharest- 030138, Romania

Type of business or sector Scientific research

Education and training

Dates 1.November 2010-30June 2011

Title of qualification awarded Study TCO thin films under supervision of Dr. Elvira Fortunato

- Deposition thin films using magnetron sputtering method
- Characterization thin films (structural, morphological, electrical and optical)
- Etching AZO thin films with acids and bases

Name and type of organisation providing education and training **CENIMAT - CENTRO DE INVESTIGAÇÃO EM MATERIAIS**
Faculdade de Ciências e Tecnologia - Universidade Nova de Lisboa
Campus da FCT, Quinta da Torre
2825 - 114 Caparica, PORTUGAL

Type of business or sector Scientific research

Dates 2009-present

Title of qualification awarded PhD. Student

Principal subjects/occupational skills covered Professional Discipline
 - Thin films
 - Physical methods of obtaining thin films
 - Doped oxide semiconductors
 - Solar cells based on thin films

Name and type of organisation providing education and training University VALAHIA Targoviste
 Doctoral school

Dates 2007-2009

Title of qualification awarded Master of science

Principal subjects/occupational skills covered Composite materials for electromagnetic shielding
 Professional Discipline
 - Occupational (obtaining composite materials using as filling material dyes: phthalocyanine, iron oxide.)
 - Occupational technology (materials, equipment and safety)
 - Knowledge of business and economic context.

Name and type of organisation providing education and training University Politehnica Bucharest
Faculty of Applied Chemistry and Materials Science

Dates 2001-2007

Title of qualification awarded Engineer

Principal subjects/occupational skills covered **Professional Discipline**
 - **Petrochemical (Petrochemical Technology)**
 - **Coal processing**
 - **Chemical Engineering**

Name and type of organisation providing education and training University Politehnica Bucharest
Faculty of Applied Chemistry and Materials Science

Dates 1993-1997

Title of qualification awarded Baccalaureate degree

Principal subjects/occupational skills covered **Professional Discipline**
 - **Physics**
 - **Chemistry**

Name and type of organisation providing education and training High school "VLAICU- VODA" Curtea de Arges

Personal skills and competences

Mother tongue(s) Romanian language

Other language(s)

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Experienced user	C1	Experienced user	B2	Independent user	B2	Independent user	B1	Basic user
Russian	A1 Basic user	A2 Basic user		A1 Basic user				A1 Basic user	

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/files/questdocument/14221/14221_en.pdf)

Social skills and competences

- Team spirit;
 - Ability to adapt to multicultural environments, gained through experience working in multinational group

Organisational skills and competences

- Sense of organization (experience in logistics)

Computer skills and competences	Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™); Origin
Driving licence	Category B
Additional information	<p>Publications</p> <ol style="list-style-type: none"> 1. Chitanu Elena, Ionita Gheorghe, <i>Obtaining thin layers of ZnO with magnetron sputtering method</i>, International Journal of Computers 2010, ISSN 1998-4308, pp. 243-250 2. Stoian Elena Valentina, RizescuCristiana Zizi, Chitanu Elena, Angelina Violeta, Poinescu Aurora Anca, <i>Electromagnetic pollution Environment</i>, 3rd WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology 2010 (EMESEG 10), ISBN 978-960-474-203-5, pp.130-135 3. Chitanu Elena, Gabriela Zbarcea, Gheorghe Ionita, Elena Stoian, <i>Obtaining ultra-thin layers CdTe with magnetron sputtering method</i>, Metalurgia International, vol.XV (2010), nr. 10, ISSN 1582-2214, pp.33-38 4. Chitanu Elena, Ionita Gheorghe, Stoian Elena, <i>Procese de depunere a straturilor subtiri in vid. Cercetari experimentale prin metoda magnetron sputtering</i>, proceeding Al VIII-lea Simpozion National de Mecatronica si Inginerie Mecanica, Microtehnologii si Materiale Noi"-MIM-MMM-2010, pp.69-72 5. Iordoc Mihai, Petrache Elena, Ionita Gheorghe, Elena Valentina Stoian, <i>Electrochemical Surface Characterization of Diamond-like Carbon Deposited on Biomedical 316L Stainless Steel</i>, Buletinul Universitatii petrol si gaze Ploiesti, vol. LXII, nr. 1/2010, ISSN 1224-8495 6. Iordache Iulian, Petrache Elena, Ionita Gheorghe, Elena Valentina Stoian, <i>Composite materials with matrix for absorbing the electromagnetic wave energy</i>, The Scientific Bulletin of Valahia University Materials and Mechanics, nr. 4(7), pp.73-77, ISSN 1844-1076, 2009 7. Elena Chitanu, Gheorghe Ionita, <i>Studiu asupra depunerilor de straturi subțiri de CdS și CdTe destinate panourilor fotovoltaice pe bază de straturi subțiri</i>, lucrare prezentata la Conferinței CNSNRE Targoviste, 2010