



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Adrian Manescu**  
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Nationality Romanian  
Date of birth 29/08/1975  
Gender Male

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### Desired employment / Occupational field

**(bio)materials scientist, physicist**

### Work experience

Dates	30/01/2013 →
Occupation or position held	Visiting Professor
Main activities and responsibilities	Theoretical and experimental aspects of non-destructive investigations in orthodontics and regenerative medicine
Name and address of employer	University of Medicine and Pharmacy "Victor Babes" Timisoara, Romania
Type of business or sector	Research, Education
Dates	01/01/2003 →
Occupation or position held	Biophysicist
Main activities and responsibilities	Non-destructive materials and biomaterials testing, regenerative medicine and tissue engineering
Name and address of employer	Universita Politecnica delle Marche, DISCO Department, Via Tronto 10, 60126 Ancona (Italy)
Type of business or sector	Research, Education
Type of business or sector	Education
Dates	01/10/2007 →
Occupation or position held	Teaching Professor
Main activities and responsibilities	Teaching Physics
Name and address of employer	Universita Politecnica delle Marche, Faculty of Agriculture, Piazza Roma 22, 60100 Ancona (Italy)
Type of business or sector	Education

Dates 01/02/1998 - 30/06/2001  
 Occupation or position held Physicist  
 Main activities and responsibilities Non-destructive materials testing  
 PhD position in Biophysics and biochemistry  
 Name and address of employer Universita Politecnica delle Marche  
 Piazza Roma 22, 60100 Ancona (Italy)  
 Type of business or sector Research, Education

Dates 01/10/1997 - 31/01/1998  
 Occupation or position held Physicist  
 Main activities and responsibilities Non-destructive materials testing  
 Name and address of employer National R&D Institute for Welding and Material Testing  
 Bd. Mihai Viteazu 30, 300222 Timisoara (Romania)  
 Type of business or sector Research institute

## Education and training

Dates 15/09/1989 - 30/06/1993  
 Title of qualification awarded Junior programmer  
 Principal subjects / occupational skills covered Informatics, mathematics, physics  
 Name and type of organisation providing education and training "Grigore Moisil" High School  
 Str. Ghirlandei 4, 300231 Timisoara (Romania)  
 Level in national or international classification Baccalaureate

Dates 01/10/1993 - 30/06/1997  
 Title of qualification awarded Diploma in Physics  
 Principal subjects / occupational skills covered General physics  
 Name and type of organisation providing education and training West University (University)  
 Bd. Vasile Parvan 4, 300223 Timisoara (Romania)  
 Level in national or international classification University degree in Physics, B.Sc.

Dates 01/10/1998 - 30/09/2002  
 Title of qualification awarded PhD in Biochemistry and Biophysics  
 Principal subjects / occupational skills covered Biophysics, Materials Science  
 PhD Thesis: "Influence of plasma spray parameters on the characteristics of a compositional gradient Ti + HA coating on Ti6Al4V substrate for biomedical applications"  
 Name and type of organisation providing education and training Universita Politecnica delle Marche (University)  
 Piazza Roma 22, 60100 Ancona (Italy)  
 Level in national or international classification PhD

## Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment  
European level (\*)

**English**  
**Italian**  
**German**  
**French**  
**Hungarian**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B1	Independent user	B2	Independent user	B2	Independent user	B1	Independent user	B2	Independent user
B1	Independent user	B1	Independent user	A2	Basic User	A2	Basic User	A2	Basic User
A2	Basic User	A2	Basic User	A1	Basic User	A1	Basic User	A1	Basic User

(\*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

- Extremely organised person
- Excellent abilities for synthetic and global views over concrete situations
- Good communication and presentation skills gained during various talks
- Result-oriented work capacity
- Problem-solving attitude and skills
- Responsibility, Self-respect and self-reliance
- Strong referential values of fairness, equity and dignity
- Team spirit gained during the participation in various EU research projects
- Good ability to adapt to and work in new multicultural environments acquired by living and studying in a foreign country in an international environment.

Organisational skills and competences

- Large experience in team and project management, as a result of participating to about 10 EU research projects; being involved in project coordination, responsible of different workpackages and tasks. List of the projects I was involved in:

1. Brite-Euram "Development of Models for the Prediction of the In-Service Performance Of MMC components" MISPOM - Coordinator: *Aerospiale – F (01/04/97)*, Contract no: BRPR-CT97-0396.
2. Inco-Copernicus "Industrially relevant know-how exchange and transfer in the field of thermal coatings with high-tech materials" COATRANS - Coordinator: *University of Ancona (Italy) (18/12/98)*, Contract no: ERBIC15CT980815
3. Inco-Copernicus "Composite apatite-base ceramics implants for surgery: research, development and small-scale production" CABICIS - Coordinator: *University of Ancona (Italy)(18/12/98)*, Contract no: ERB IC15 CT98 0816
4. Thematic Network "Training Industry in Neutron Strain Scanning" TRAINSS - Coordinator: *Rutherford Appleton Laboratory – UK (01/01/98)*, Contract no: BRRT-CT96-0028
5. CRAFT project: "Development of improved casting technology for silver jewellery", AGCASTJEWEL, Coordinator: FEM, Germany, Contract no: G1ST-CT-2002-50174
6. EUMEDIS "The European Virtual Institute for Jewellery Technology " VI-JET- Coordinator: *EJTN GEIE.(01/01/2002)*, Contract no: G7RT-CT-2001-05065
7. Network of Excellence "Knowledge-based Multicomponent Materials for Durable and Safe Performance", KMM-NoE, Contract no: 502243.
8. CRAFT "A Challenge for Materials Science: Bringing True Baroque and Medieval Sound Back to Life in Historic and New Pipe Organs", TRUESOUND, Coordinator: Max-Planck Institute Stuttgart (Germany), Contract no: COOP-CT-2004-005876
9. Collaborative project FP7: "Micro and Nanocrystalline Functionally Graded Materials for Transport Applications" (MATRANS), Co-ordinator: KMM-VIN, Grant agreement no: 228869.
10. FP7 – SCIENCE-IN-SOCIETY-2010-1, Immersion in the Science Worlds through the Arts (ISWA), Co-ordinator: Università Politecnica delle Marche, Ancona (Italy), Grant agreement no: 266656.

	<ul style="list-style-type: none"> <li>- Experience in organizing events, like Summer Schools, Workshops and Conferences.</li> <li>- Five years of teaching experience at University level.</li> </ul>
Technical skills and competences	<p>Large experience in non-destructive materials and biomaterials testing, such as microstructural investigations, regenerative medicine and tissue engineering, residual stress analysis, texture investigation, etc., using different techniques:</p> <ul style="list-style-type: none"> <li>- Neutron and X-rays scattering: neutron / X-ray diffraction, neutron / X-ray tomography, Synchrotron radiation microtomography, Small angle neutron/ X-ray scattering.</li> <li>- Scanning electron microscopy, transmission electron microscopy, atomic force microscopy.</li> </ul>
Computer skills and competences	<p>Excellent Computer Proficiency, in:</p> <ul style="list-style-type: none"> <li>- Editing: Microsoft Word, Microsoft PowerPoint, AdobePageMaker, AdobeAcrobat(Writer/Reader)</li> <li>- Databases: MicrosoftAccess, MicrosoftExcel</li> <li>- PhotoEditing: AdobePhotoShop, CorelPhotoPaint</li> <li>- PC Operation Systems: Windows 2000 to Windows 7, Mac iOS</li> <li>- Networking: WWW, OutlookExpress, MicrosoftOutlook, HTMLScript</li> <li>- Data analysis softwares like: VGStudio Max, Kaleidagraph, Origin, etc</li> </ul> <p>Programming: Pascal, C++.</p> <p>Technical and Practical Abilities in Desk Equipment.</p>
Artistic skills and competences	Photography, decoration.
Other skills and competences	Cooking, reading, 7 years of professional table tennis, protection of nature and environment (former member or Connaitre e Proteger la Nature).
Driving licence(s)	B
<b>Additional information</b>	<p>Membership of Professional Bodies:</p> <p>CNISM – Consorzio Nazionale Interuniversitario per le Scienze Fisiche della Materia, Italy Romanian Society of Neutron Scattering, Romania</p> <p>Participated to more than 25 conferences and summer schools, with lectures or posters.</p> <p>Invited talks to different Universities and Research centres; some of them:</p> <ul style="list-style-type: none"> <li>- Invited talk at BNC Budapest (Hungary), February 2006 “Microstructural characterization and residual stress analysis in historic organ reed tongues ”</li> <li>- Invited talk (first plenary lecturer) at the 22nd International conference on surface modification technologies, Trollhattan (Sweden), 22-24.09.2008. “Residual stress analysis by neutron and X-ray diffraction, possibilities and limitations”</li> <li>- Lecture at International School on advanced material science and technology “G. Occhialini”, 11th edition, Jesi (Italy), 03.09.2009 “Structural investigations by Atomic Force Microscopy”</li> <li>- Invited talk at the 4th International conference on Innovative technologies for joining advanced materials, Timisoara (Romania), 10-11.06.2010.</li> </ul>

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- [2] A.Giuliani, A. Manescu, F. Rustichelli, V. Stanic – “Neutron diffraction for stress analysis in metal matrix composites materials”, Proceedings of the International School on advanced material science and technology “G. Occhialini”, Jesi, August 1999.
- [3] S.Bertini, F.Fiori, E.Girardin, A. Giuliani, A. Manescu, F. Rustichelli - "Residual Stresses in Some New Generation Coating Samples: Measurements by X-Ray and Neutron Diffraction", Proceedings of the International Conference Thermal Spraying, Timisoara June 2000.
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