

Europass Curriculum Vitae



Personal information

First name / Surname **Mircea NICOARA**
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E-mail(s) mircea.nicoara@upt.ro; mnicoara@gmail.com
Nationality Romanian
Date of birth 24 June 1960
Gender Male

Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>2000 → present</p> <p>Associate Professor, Department for Materials and Manufacturing Engineering</p> <p>Teaching activities in Composite Materials, Powder Metallurgy Research activities within the framework of existing research projects Technical consulting for industrial companies Management of educational and research activities</p> <p>POLITEHNICA University of Timisoara P-ta Victoriei nr. 2, 300006 Timisoara (Romania)</p> <p>Education, research, management</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>1998 - 2000</p> <p>Lecturer</p> <p>Teaching activities in Materials Science, Heat Treatments, Heating equipment Research activities within the framework of existing research projects Technical consulting for industrial companies</p> <p>POLITEHNICA University of Timisoara P-ta Victoriei nr. 2, 300006 Timisoara (Romania)</p> <p>Education, research</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>1991 - 1998</p> <p>Assistant professor</p> <p>Teaching activities in Materials Science, Heat Treatments Research activities within the framework of existing research projects</p> <p>POLITEHNICA University of Timisoara P-ta Victoriei nr. 2, 300006 Timisoara (Romania)</p> <p>Education, research</p>

Dates 1985 - 1990
 Occupation or position held Design engineer
 Main activities and responsibilities Conception and design of tools and devices for fabrication of electrical and home appliances
 Name and address of employer ELECTROMETAL
 Bd. Circumvalatiunii 2, 300013 Timisoara (Romania)
 Type of business or sector Industry, Manufacturing of electrical equipment and home appliances

Education and training

Dates 1992 - 1998
 Title of qualification awarded Ph.D. in Material Science
 Principal subjects / occupational skills covered Composite materials with aluminium matrix
 Name and type of organisation providing education and training POLITEHNICA University of Timisoara
 P-ta Victoriei nr. 2, 300006 Timisoara (Romania)

Dates 1980 - 1985
 Title of qualification awarded Industrial Engineer
 Principal subjects / occupational skills covered Machines fabrication technology
 Name and type of organisation providing education and training POLITEHNICA University of Timisoara
 P-ta Victoriei nr. 2, 300006 Timisoara (Romania)

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment
 European level (*)

English
 French
 German

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

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

Social skills and competences Project management, both national and international;
 Capability in cooperation with social and economic environment, both technical and managerial issues
 Communication ability with mass media

Organisational skills and competences Experience in project management gained from research projects where I was project director or member of research team.

Technical skills and competences Development and characterisation of advanced and engineering materials
 Advanced investigation methods for materials
 Optimization of fabrication technologies, investigation of failures and non-conformities for components and equipment
 Numerical modelling and simulation of mechanical stress and thermal fields.

Computer skills and competences CAD/CAE (SolidWorks, SolidEdge, CATIA), X'Pert HighScore Plus, Origin, ImageJ

Other skills and competences Manual dexterity and accuracy, computer graphics

Additional information

Author/co-author of 9 volumes on materials science and processing

Editor/co-editor of 8 volumes on advanced materials and technologies

More than 50 scientific publications in journals and proceedings, of which

- 22 ISI indexed; 7 articles in journal with IF>0.5 (max. IF 6.025)
- 18 indexed by other international databases.
- 1 international patent
- 11 citations in publication indexed ISI or other international databases

13 research grants, as coordinator or team member;

6 international programs (1 as director)

More than 100 contracts with companies for technical assistance, development of new products etc.

Invited professor at the University of Reims - Champagne Ardennes – Institute of Technical Superior Formation (IFTS) (2005, 2007, 2008, and 2009)

Invited researcher at the Leibnitz Institute Solid State and Material Research (IFW) Dresden, Germany

Permanent expert of ARACIS (Romanian Agency for Quality Assurance in Higher Education) 1st commission of Engineering Sciences

Dr.-Ing. Nicoară, Mircea