

PERSONAL INFORMATION



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Sex: Male | Date of birth: 26/01/1964 | Nationality: Romanian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

WORK EXPERIENCE

from 1996 - to present

Lecturer

Faculty of Physics, West University of Timisoara, ROMANIA

- Teaching courses, seminars and laboratory activities in: Mathematics I (Linear algebra and Mathematical analysis), General physics (Mechanics and Thermodynamics), Electricity and Magnetism, Modelling of biologic process, The dynamics of the fluid nano-microsystems in porous media, etc.

Business or sector: Education

from 1990 - to 1996

Teaching assistant

Faculty of Physics, West University of Timisoara, ROMANIA

- Laboratory activities and seminars in: Solid state physics, Structural defects in solids, Electricity and Magnetism, Liquid crystals, Methods of measure and control, etc.

Business or sector: Education

from 1988 - to 1990

Physicist engineer

Enterprise for Electrical and Industrial Measuring Equipment (IEMI) Bucharest, subsidiary Alba Iulia

- Research engineer in the field of electric control of temperatures inside closed enclosures, testing of various measuring devices, assimilation of new products, etc.

Business or sector: Industry

EDUCATION AND TRAINING

from 2000 - to 2003

PhD Diploma in Mechanics and Mathematics

EQF level : 8

University Pierre et Marie Curie (Paris VI), FRANCE, and Faculty of Mathematics, West University of Timisoara , ROMANIA

- Thesis title: Contributions to the study of transport phenomena in a dendritic mushy zone

from 1997 - to 1998

Master Diploma in Mathematics

EQF level : 7

Faculty of Mathematics, West University of Timisoara, ROMANIA

- Specialization: Applied mathematics in fluid mechanics

from 1993 - to 2000 **PhD Diploma in Physics (*Cum Laude*)** EQF level : 8
 Faculty of Physics, West University of Timisoara, ROMANIA
 ▪ Thesis title: Contributions to the obtaining oxide type single crystals by hydrothermal method

from 1993 - to 1988 **License Diploma in Physics** EQF level : 6
 Faculty of Physics, University of Bucharest, ROMANIA
 ▪ Specialization: Technological Physics (Engineer)

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	C2	B1	B1	B1
French	B1	B1	B1	B1	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills ▪ very good communication skills gained through my 26 years experience as teacher

Organisational / managerial skills ▪ very good organisational skills gained during the activities with student groups and coordinating events in our faculty implying a large number of participants (3 editions of TIM international Physics Conference, Open days in Physics Faculty, etc)
 ▪ currently ERASMUS departmental responsible for the Physics Faculty

Job-related skills ▪ very good knowledge in Mathematics, Transport phenomena homogeneous and heterogeneous media, Mathematical modelling and numerical simulation

Computer skills ▪ good command of Microsoft Office™ tools
 ▪ advanced user of mathematics and graphic software as Origin, Table Curve, used in processing data for scientific research
 ▪ advanced user of software used in numerical simulation of physical processes: FreeFEM++, COMSOL

ADDITIONAL INFORMATION

Publications ▪ Scientific articles published in international journals with ISI factor: 15
 ▪ Citations (without self-citations): 104
 ▪ Hirsch index: 5
 ▪ Books: 6 didactic books for students, 4 books published in national publishing houses, 1 book as editor and 3 chapters published as co-author in international publishing houses

Projects ▪ member in 16 research grants, from which 4 European grants

Memberships ▪ member of the Romanian Society of Physics (SRF)

Lecturer PhD. Adrian NECULAE



Date: 10.10.2016