



Petronel Postolache

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Phone number: (+40) 0745531604

Gender: Male **Date of birth:** 07/03/1977 **Nationality:** Romanian

WORK EXPERIENCE

[11/2004 – Current] **Lecturer, dr - Faculty of Physics**

"Alexandru I Cuza" University of Iasi

Address: Iasi, Romania

Main activities and responsibilities:

Teaching B.Sc / M.Sc courses:

- Database systems (**Mysql**)
- Programming Languages (**C/C++, Python**)
- Advanced Programming (**Cuda, OpenMPI**)
- Operating Systems
- **Unix** Fundamentals
- Data acquisition and processing systems (**Labview**)
- Electricity and Magnetism
- Physics and Technology of Magnetic Materials
- Introduction to Physical Process Modeling (**Maple, Matlab**)

[10/2001 – 11/2004] **Assistant Professor - Faculty of Physics**

"Alexandru I Cuza" University of Iasi

Address: Iasi, Romania

Main activities and responsibilities:

Providing help for the students, teaching courses/laboratories:

- **C, C++**,
- **Java**,
- **Data Acquisition**,
- **Operating Systems**,
- **Database systems**,
- **Electricity and Magnetism**.

Maintaining the online courses platform based on moodle framework

[06/1998 – 02/2000] **It Associate**

"Alexandru I Cuza" University of Iasi, Iasi Distance Education Study Centre (IDESC)

Address: Iasi, Romania

Main activities and responsibilities:

Designing and maintaining IDESC website (HTML/CSS/PHP/Mysql),
Online courses text processing.

EDUCATION AND TRAINING



[2001 – 2007] **D.Sc. 'Summa cum Laude' in Physics**

"Alexandru I Cuza" University of Iasi

Address: Iasi, Romania

Main subject / occupational skills covered:

"Contributions to the study of phenomenological models of ferromagnetic hysteresis. Standard problems"

[1999 – 2001] **M.Sc. in Physics (average mark 10 - 100%)**

"Alexandru I Cuza" University of Iasi

Address: Iasi, Romania

[1995 – 1999] **B.Sc. in Physics (average mark 9.62 - 96.2%)**

"Alexandru I Cuza" University of Iasi

Address: Iasi, Romania

[06/2012 – 09/2012] **Research grant - POSDRU - European Union**

University of York

Address: York, United Kingdom

Main subject / occupational skills covered:

- **Vibrating Sample Magnetometer (VSM)** Measurements, data analysis.
- **Molecular beam epitaxy (MBE)** magnetic sample deposition
- **First Order Reversal Curves (FORC)** data interpretation.

[11/2001 – 02/2002] **Romanian Government Scholarship**

Centre for Materials Science, University of Central Lancashire

Address: Preston, United Kingdom

Main subject / occupational skills covered:

- Vectorial **Vibrating Sample Magnetometer (VSM)** Measurements.
- Software design for data acquisition in Basic / Visual Basic.
- Data analysis using Microcal Origin
- **Preisach** model and **LLG** micromagnetic models in **C** to explain the measured data.



[02/2000 – 07/2000] **Socrates/Erasmus Scholarship**

Centre for Materials Science, University of Central Lancashire

Address: Preston, United Kingdom

Main subject / occupational skills covered:

- **Vibrating Sample Magnetometer (VSM)** Measurements.
- Software design for data acquisition in Basic / Visual Basic.
- **Data analysis using Microcal Origin**

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

PUBLICATIONS

Publications

68 ISI research papers

https://www.researchgate.net/profile/Petronel_Postolache/

CONFERENCES AND SEMINARS

Conferences

Over 25 Papers presented at International Conferences

Over 15 Papers presented at Conferences in Romania

JOB-RELATED SKILLS

Job-related skills

- Experience in programming, numerical techniques and experimental data analysis (**C/C++, C#, Visual Basic, Maple, MatLab, Qt**).
 - Preisach Model, Micromagnetism Models (LLG, MonteCarlo)
 - Experimental data analysis using different algorithms
 - Data visualisation using C#, OpenGL, QT.
- Web programming skills (**PHP & MySQL, HTML, Javascript, XML, Json**).
 - Department's website <http://stoner.phys.uaic.ro/>
 - Platform for course syllabus using Moodle framework
 - National Physics Contest website, over 5000 participants in 2018 from 87 schools, over 1500 concurrent users.
- Linux server administration (web, email, database servers).
- Arduino programming.



CITATIONS

Citations

Over 800 citations, h-index = 17.