

PERSONAL INFORMATION

Mihaela Crețu

 Pandurilor Street no. 12, Flat 6, Cluj-Napoca, 400376, Romania

 0264-4011462  0745-913693

 Mihaela.Cretu@ethm.utcluj.ro

 <http://www.et.utcluj.ro/mihaela.html#>

 Yahoo Messenger / plesamiha@yahoo.com

Sex Feminin | Date of birth 01/09/1980 | Nationality Romanian

JOB APPLIED FOR
POSITION
PREFERRED JOB

Lecturer/ Position 29, Electrotechnics and Measurements Department, Faculty of Electrical Engineering, Technical University of Cluj-Napoca

WORK EXPERIENCE

October 2013-onwards

Lecturer

Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Electrotechnics and Measurements Department, George Baritiu Street, No. 26-28, 400027, Cluj-Napoca,

Didactic Activity: *Modern Techniques of Numerical Modelling of the Electrical and Electronics Circuits, Theoretical and Practical Work of Theory of Electric Circuits, Theory of Electromagnetic Field*

Research Activity: *Bioelectromagnetism, Numerical Modelling of Electric Circuits, Theory of Electromagnetic Field*

Sector of activity: Electrical Engineering

October 2008-October 2013

Assistant

Technical University of Cluj-Napoca, Faculty of Electrical Engineering, George Baritiu Street, No. 26-28, 400027, Cluj-Napoca, <http://ie.utcluj.ro>

Didactic Activity: *Theoretical and Practical Work of Theory of Electric Circuits, Theory of Electromagnetic Field*

Research Activity: *Bioelectromagnetism, Numerical Modelling of Electric Circuits, Theory of Electromagnetic Field*

Sector of activity: Electrical Engineering

EDUCATION AND TRAINING

2004-2012

Doctor's degree -Excellent

Technical University of Cluj-Napoca

Replace with
European
Qualification
Framework (or other)
level if relevant

2007-2010

- *Specialized Field: Electrical Engineering*

Economist/Licensed in Economics

Babes-Bolyai University, Cluj-Napoca, Faculty of Economics and Business Administration

- *Specialized Field: Accounting and Economic Data Processing*

2004-2005

Master of Science in Engineering

Technical University of Cluj-Napoca/Faculty of Electrotechnics

- *Specialized Field: Computer Aided Design in Electrical Engineering*

1999-2004

Engineering/Bachelor of Science

Technical University of Cluj-Napoca/Faculty of Electrotechnics

- *Specialized Field: General Electrotechnics*

PERSONAL SKILLS

Mother tongue(s) Romanian

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
Very well	Very well	Very well	Very well	Very well
Certificate of Language Proficiency/Department of Modern languages and Communication. Level B2				
Very well	Very well	Good	Good	Good

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

Communication skills

- Good communication skills gained through my experience of didactic activity (I teach seminars and practical work of Electric Circuits Theory, Electromagnetic Field Theory)
- Ability to communicate in written and oral discourse, gained during participation and presentations to different national and international conferences

Organisational skills

- Supervising students during their practical work or diploma projects
- Good organizer, initiative sense, gained as a member in organizing committee for scientific conferences (MediTech 2007, 2009, 2011, UPEC 2014)

Job-related skills

- Good knowledge and command of equipment and electrical devices used in Electrotechnics;
- Advanced knowledge in computer language and different software's: specialized programmes in modelling and computing of the electromagnetic field, analysis and projections of the electric circuits, numerical calculus programmes.

Computer skills

- Advanced knowledge of using Microsoft Office (Word, Excel)
- Knowledge and command of different specialized programs of the electromagnetic field calculus (ANSOFT Maxwell, COMSOL), modelling of electric circuits (ORCAD, PSPICE), mathematical calculus (MATHCAD, MATLAB) and design (AUTOCAD)

- Other skills**
- Team Work: Member of the research team in several research grants
 - Intercultural skills: Working with foreign students, attending of courses in our country or abroad (Technical University of Vienna, during the Cooperation Bilateral programme Romania-Austria, Technical University of Salonic, Stuttgart University, Jyvaskyla University, Finland)
 - Analytical mind
 - Evaluation and improvement spirit.

- Driving licence**
- B

ADDITIONAL INFORMATION

Publications Author and co-author of over 50 scientific papers published at different significant conferences from our country or abroad.

Number of over 50 citations in prestigious journals,

Projects Significant papers published in the last 6 years:

Member in 11 research contracts, 3 contracts as a manager and one international grant:

1. **Post Phd research grant: POSDRU/159/1.5/S/137516-PARTING**, „Cercetări privind proiectarea eficientă a unui stimulator magnetic utilizat în activarea măduvei spinării”
2. **Project Manager: Mihaela PLEȘA**, Contract TD_283, nr. Contract 601/2007, *Contribuții privind studiul teoretic și experimental al stimulării magnetice funcționale;*
3. **Project Manager**, Contract MC, Cod CNCSIS 102/2007, *Numerical Calculus of Binary Dielectric Mixtures Permittivity with Inclusions of Different Geometrical Shapes and Sizes;*
4. **Project member: Mihaela PLEȘA**, Contract bilateral România-Austria, nr. Contract 224/2009, *Stimularea Funcțională a Măduvei Spinării*, Director: Prof. dr. ing. Radu CIUPA.

An over 20 number of citations in significant journals.

Honours and awards

Second prize for development and research projects, Project: *Director* CEEX grant, no. 136/2006, (member in research team)

Courses

1. SOCRATES-ERASMUS Scholarship

march 2004 – may 2004, Stuttgart University, Germany

2. Rehabilitation Engineering Course, University of Jyvaskyla, Finland, 19-27 of March 2006

3 Biomedical Engineering Course, Medical University of Vienna, Austria

4. ANSYS Courses - Certificate of Attendance, No. 389/15.03.2008, Technical University of Cluj-Napoca, Sheffield University U.K. and ANSYS, Inc. Romanian Channel Partner, INAS S.A., Craiova

ANNEXES

- Publications list or research grants.