

**PERSONAL INFORMATION**

**Mihaela Crețu**



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

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

**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

- Specialized Field: Electrical Engineering

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

2007-2010

**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					
French	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**
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## ADDITIONAL INFORMATION

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

Significant papers published in the last 6 years:

**Projects** 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

**Other relevant activities** Committee Organizing member of the International Conferences MediTech (2007, 2009, 2011,2014), and UPEC2014

## ANNEXES

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- Publications list or research grants.

