

## Curriculum Vitae

### Personal information

Name / SURNAME **Călin MUNTEANU**

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Nationality Romanian

Birth date 30<sup>th</sup> of August 1965



### Work experience

Period Starting with 1990

Name and address of the employer Technical University of Cluj-Napoca, Romania, [www.utcluj.ro](http://www.utcluj.ro)  
Faculty of Electrical Engineering, <http://ie.utcluj.ro/>

Position held Professor (starting with 2003)

Main activities and responsibilities

- ✚ Higher education and research in the field of Electrical Engineering (starting with 1990)
- ✚ Erasmus Programme Coordinator of Electrical Engineering Faculty (2000 – 2012)
- ✚ Head of Electromagnetic Compatibility Laboratory (starting with 2004)
- ✚ PhD supervisor (starting with 2004)
- ✚ Member of the Electrical Engineering Faculty Council (starting with 2004)
- ✚ Member of the University Council for Research (2008 - 2012)
- ✚ Head of the Electromagnetic Field Numerical Modelling Laboratory belonging to the Applied Electromagnetics Research Centre – ELMA (starting with 2010)
- ✚ Member of the University Doctorate Studies Council (2011 – 2014)
- ✚ Member of the Commission for Electrical Engineering from the National Council for Attesting Titles, Diplomas and University Certificates – CNATDCU (starting with 2011)
- ✚ Head of Electrotechnics and Measurements Department (starting with 2012)
- ✚ Member of the Doctoral School Council Board from Electrical Engineering Faculty (starting 2014)
- ✚ Member of the Energy Commission of the Romanian Academy (starting with 2015)

### Education and Training

Period March 2014

Title / qualification obtained Project Manager

Educational / Training organization's name Smart Projects Association, Bucharest

Period 1992 – 1999

Title / qualification obtained PhD in Electrical Engineering

Main topic Thesis title: '*Contributions to the Boundary Elements Method implementation for the numerical modelling of the electromagnetic and thermal problems*'

Educational / Training organization's name Technical University of Cluj-Napoca, Romania

Period 1984 – 1989

Title / qualification obtained Engineer, Electric profile, Electric Drives specialization

Educational / Training organization's name Technical University of Cluj-Napoca, Romania

Period 1979 – 1983

Title / qualification obtained Baccalaureate, Mathematics – Physics profile

Educational / Training organization's name „Gheorghe Sincai” High School, Baia-Mare, Romania

## Didactic activity

Courses given	Electric Circuits Theory (Bachelor's degree) Electromagnetic Field Theory (Bachelor's degree) Fundamentals of Electrotechnics (Bachelor's degree) Optimal Design of Electromagnetic Devices (Bachelor's degree) Electromagnetic Compatibility, Standardization and Testing (Master degree) Optimization Techniques for Advanced Electrical Systems and Structures (Master degree) Applied Electromagnetics (Doctoral School course from Technical University Cluj-Napoca)
Cooperation with European Union	1994-1997 – Member of the TEMPUS S_JEP 8001/94 Programme 1997-2000 – Member of the TEMPUS S_JEP 12080/97 Programme 1998-2001 – Member of the TEMPUS AC_JEP 13449-98 Programme

## Research activity

Grants obtained by national competition	2014-2016 – Manager, contract PN-II-PT-PCCA-2013-4-1019 with title: <i>Coupled Electromagnetic Interferences and Vibration Analysis for Safe Automotive Electrical Actuators – CEMIVA</i> 2008-2011 – Manager, contract CNCSIS cod PN-II-ID-PCE-2008-2-2539 with title: <i>Integrated Software Package for the Analysis and Prediction of the Electromagnetic Pollution Generated by HV Lines and Substations on the Neighbour Metallic Structures and their Cathodic Protection</i> 2005-2008 – Manager, contract CNCSIS Topic A18, Code CNCSIS 986 with title: <i>Structural Optimal Design Algorithms for the Parasitic Inductivities Suppression in Nanometre Electronic Circuits</i> 1996-2011 – Member in the research team of 7 grants financed by CNCSU, ANSTI, CNCSIS, CEEEX
Research / Consulting projects with industrial partners (value more than 2000 EUR)	2006-2014 – Manager of 10 research projects with industrial partners: FDEE Electrica Distributie Transilvania Nord SA, Electrogrup SA, Electromontaj Cluj SA, Siemens Energy Bucharest, Rom Project Electro Cluj, Electro Dalex Cluj, Automatic Systems Craiova. 2010-2011 – Member of the team in 2 research projects with the industrial partner SNTGN Transgaz SA Medias.
Grants obtained by international competition	2005-2007 – Co-Promoter of NATO Collaborative Linkage Grants– CLG. PST.CLG. 982075.  2004-2007 – Co-Promoter of the bilateral research project between Flanders (Belgium) – Romania BIL BWS04/03, partners VUB Brussels, Technical University of Cluj-Napoca. 2002-2004 – Co-Promoter of the bilateral research project between Flanders (Belgium) – Romania BIL BWS05/02, partners VUB Brussels, Technical University of Cluj-Napoca. 2001-2004 – Member of the research team, NATO Collaborative Linkage Grants – CLG. PST.CLG. 978487. 2000-2003 – Member of the research team, bilateral research project between Flanders (Belgium) – Romania BIL 37 / 2000, partners VUB Brussels, Technical University of Cluj-Napoca. 1997-2000 – Member of the research team, bilateral research project between Flanders (Belgium) – Romania BIL 96/174B0697, partners University of Gent, VUB Brussels and Technical University of Cluj-Napoca.
Publications	<ul style="list-style-type: none"><li>📖 7 books as single author, first author or co-author, meaning 1 book in international printing house and 6 books in national printing houses;</li><li>📖 More than 250 scientific articles published in national and international conferences from which:<ul style="list-style-type: none"><li>❖ 53 ISI indexed articles</li><li>❖ 64 SCOPUS (except ISI) indexed articles</li><li>❖ 36 Google Scholar (except ISI, SCOPUS) indexed articles</li></ul></li><li>📖 20 citations in ISI indexed articles</li><li>📖 29 citations in international databases (except ISI) indexed articles</li></ul>
Institutional projects	2014-2015 – Manager, EU funding project POSDRU/159/1.5/S/137516 with title: <i>Interuniversity Partnership for Excellence in Engineering – PARTING</i> . 2010-2012 – Member in the EU funding project POSDRU/89/1.5/S/52603 with title: <i>Development and Sustainability of the Interdisciplinary Postdoctoral Programmes in Priority Technical Domains of the National Innovation – Development – Research Strategy – 4D - POSTDOC</i> .

## Additional information

- Awards / Patens
- ✚ 2008: „Liviu Mânduc” Award for excellence in scientific research and promotion of the University prestige , granted by the University Senate on 31.01.2008.
  - ✚ 2007: Patent no. 120998 with title: *Power Supply and Protection Electric System for the Radio Communication Devices*.
  - ✚ 2000: "Gheorghe Cărtianu” Romanian Academy Award for the book *Optimal Design of the Electromagnetic Devices using Numerical Techniques*, VUBPRESS Brussels, Belgium, ISBN 90-5487-288-8.
- Member of professional societies
- ✚ IEEE Electromagnetic Compatibility
  - ✚ IEEE Power Engineering
  - ✚ IEEE Power Electronics
  - ✚ IEEE Microwave Theory and Techniques
  - ✚ CIGRE Paris
  - ✚ Romanian Association for Electromagnetic Compatibility – ACER
  - ✚ Romanian National Committee of CIGRE
  - ✚ Romanian National Committee of World Energy Council – WEC
- Other relevant activities
- ✚ Scientific Coordinator of 7 PhD Theses defended in Electrical Engineering profile
  - ✚ Chairman of the following editions of the *International Conference on Modern Power Systems – MPS*, Cluj-Napoca, Romania: 2006, 2008, 2010, 2011, 2013 and 2015, [www.et.utcluj.ro/mps](http://www.et.utcluj.ro/mps)
  - ✚ Member of the organizing Committee of the 2003 and 2005 editions of the *International Workshop on Advances in Numerical Computation Methods in Electromagnetism - ANCME*, Gent (2003), Brussels (2005), Belgium.
  - ✚ Reviewer for the following ISI journals:
    - ❖ IEEE Transactions on Magnetics
    - ❖ IEEE Transactions on Power Delivery
    - ❖ IEEE Transactions on Dielectrics and Electrical Insulation
    - ❖ IET Science, Measurement & Technology
    - ❖ IET Generation, Transmission & Distribution
    - ❖ Journal of Circuits, Systems and Computers
    - ❖ Journal of Numerical Modelling: Electronic Networks, Devices and Fields
  - ✚ Reviewer for the following ISI indexed Conferences: EPE 2012, OPTIM 2014, ICHQP 2014
  - ✚ Member of the scientific Committee of the following Conferences EPE 2012, EPE 2014, ICATE 2012, ICATE 2014, UPEC 2014, CIEM 2015
  - ✚ Member of 2 international public defence PhD Theses (VUB Brussels, Belgium)
  - ✚ Member of 49 national public defence PhD Theses
  - ✚ Member in Councils / Organizations in the field of international research: CIGRE Paris: C4 Study Committee, WG C4.28, AG C4.2, AG C4.3
  - ✚ Head of the C4 Study Committee from the CIGRE Romanian National Committee

Cluj-Napoca,  
10.01.2016

Prof. Dr. eng. Călin MUNTEANU