

## Curriculum Vitae

### Personal information

Name / SURNAME **Călin MUNTEANU**



E-mail \_\_\_\_\_

Nationality Romanian

Birth date

### 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)<br>Electromagnetic Field Theory (Bachelor's degree)<br>Fundamentals of Electrotechnics (Bachelor's degree)<br>Optimal Design of Electromagnetic Devices (Bachelor's degree)<br>Electromagnetic Compatibility, Standardization and Testing (Master degree)<br>Optimization Techniques for Advanced Electrical Systems and Structures (Master degree)<br>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<br>1997-2000 – Member of the TEMPUS S_JEP 12080/97 Programme<br>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><br>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><br>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><br>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.<br>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.<br><br>2004-2007 – Co-Promoter of the bilateral research project between Flanders (Belgium) – Romania BIL BWS04/03, partners VUB Brussels, Technical University of Cluj-Napoca.<br>2002-2004 – Co-Promoter of the bilateral research project between Flanders (Belgium) – Romania BIL BWS05/02, partners VUB Brussels, Technical University of Cluj-Napoca.<br>2001-2004 – Member of the research team, NATO Collaborative Linkage Grants – CLG. PST.CLG. 978487.<br>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.<br>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> .<br>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