





PERSONAL INFORMATION

Levente Czumbil



 Str. Traian, No. 11, Ap. 4, Baia Mare, Maramureş, 430261, Romania
 +40-(0)264-401-462  +40-(0)743-096-213
 Levente.Czumbil@ethm.utcluj.ro

Sex Male | Date of birth 06/09/1985 | Nationality Romanian / Hungarian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

Academic Assistant, position 54, Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Department of Electrotechnics and Measurements

WORK EXPERIENCE

01.10.2012 - present

01.10.2009 – 30.09.2012

Research Assistant

Technical University of Cluj-Napoca, str. Memorandumului nr. 28, Cluj-Napoca, Romania, www.utcluj.ro

- Main activities and responsibilities: Research and Academic

Business or sector: Academic and Research

PhD Student

Technical University of Cluj-Napoca, str. Memorandumului nr. 28, Cluj-Napoca, Romania, www.utcluj.ro

- Main activities and responsibilities: Research and Academic

Business or sector: Academic and Research

EDUCATION AND TRAINING

01.10.2009 – 30.09.2012

PhD in Electrical Engineering

Technical University of Cluj-Napoca, str. Memorandumului nr. 28, Cluj-Napoca, Romania, www.utcluj.ro

- Applied Mathematics, Applied Electromagnetism, Numerical modeling of electromagnetic field applied research methodology, Design, optimization and control software environments, EMC, Research Activity

2009 – 2010

Advanced Studies Diploma

Technical University of Cluj-Napoca, str. Memorandumului nr. 28, Cluj-Napoca, Romania, www.utcluj.ro

- Complements of mathematics in electrical engineering, Programming environments, Numerical modeling of the electromagnetic field, Electromagnetic compatibility, Electromagnetic field inverse problems, Computer aided design of electrical and electronic circuits, Multimedia Technologies

2004 – 2009

Bachelor degree in Electrical Engineering

Technical University of Cluj-Napoca, str. Memorandumului nr. 28, Cluj-Napoca, Romania, www.utcluj.ro

- Theoretical Electrical Engineering, Mechanical Engineering, Electronics, Electrical measurements, electrical machines, sensors and transducers, Electrical Installations

2000 – 2004

Baccalaureate

“Vasile Lucalui” High School, str. Culturii nr. 2, Baia Mare, Maramureş, România, www.lucaciu.ro

- Mathematics, Informatics
-

PERSONAL SKILLS

Mother tongue(s) Hungarian, Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
Replace with name of language certificate. Enter level if known.					

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 professional experience

Organisational / managerial skills ▪ Leadership
 ▪ Organizational skills (member of the *49th International Universities Power Engineering Conference (UPEC2014 Cluj-Napoca)*, local organizing committee)
 ▪ Team Work

Job-related skills ▪ Teaching skills obtained during the previous 5 years
 ▪ Ability for synthesis and analysis of research related data
 ▪ Numerical modeling of electric and magnetic fields
 ▪ Using specialized software applications
 ▪ Students tutoring to develop their diploma projects

Computer skills ▪ Good command of Microsoft Office™ tools (Word, Excel, Access, Power Point)
 ▪ Numerical Evaluation and Calculus: MathCad, MatLab, Maple
 ▪ Programming Environments: RAD Studio XE (Delphi, Pascal), Visual Studio (C++, C#), Visual Fox (Fox Pro), DreamWeaver (HTML, CSS), Fortran
 ▪ Numerical Modelling: Ansoft Maxwell, Comsol Multiphysics, CDEGS, OrCad, PSCAD, ATP-Draw
 ▪ Other software applications: Autocad, SolidWorks, Labview, Calculux, Adobe Flash
 ▪

ANRE authorization ▪ Holder of ANRE type IIA/ B authorization (No. 25626/2013)

Driving licence ▪ B Category

ADDITIONAL INFORMATION

Course Holder Numerical Methods, 2nd year, Medical Engineering, Bistrita (2013/2014)

Research internships ▪ 1 month at University of West of England, Bristol, UK, 2015
 ▪ 2 month at University of West of England, Bristol, UK, 2014
 ▪ 5 months at Technological Educational Institution of West Maceonia, Kozani, Greece, 2011
 ▪ 1 month at Aristotle University, Thessaloniki, Greece, 2010
 ▪ **CNMP PNCDI II 22122/2009 CABDIAG:** Intelligent diagnosis and prediction system for power cable damages preventing, 2009-2012.
 ▪ **CNCSIS TE 34/09.08.2010:** Modeling, prediction and design solutions, with maximum effectiveness, for reducing the impact of stray currents on underground metallic gas pipelines, 2010-2012.

Member in Research grants won through National Competition

Member in Research grants with the Industry

- **TRANSGAZ no. 27/2010:** The study of corrosion of the metallic gas pipelines under the influence of HV power lines and mitigation methods. Case study, obtained from the Romanian Gas transportation Company: S.C.N.G.N. TRASGAZ S.A. Medias, 2009-2010.
- **TRANSGAZ no. 4/2011:** The study of corrosion of the metallic gas pipelines under the influence of HV power lines and mitigation methods. Onsite measurements and software validation, obtained from the Romanian Gas Transportation Company: S.C.N.G.N. TRASGAZ S.A. Medias, 2011-2012.
- **ENERGOBIT no. 44/2012:** Electromagnetic interferences induced in underground medium voltage electrical cables, obtained from Energobit, Cluj-Napoca, Romania, 2012.
- **ROMATSA no. 3423/17.12.2012:** Electric and electronic equipment protection to overvoltage and electromagnetic pulses appeared in electrical cables, respectively voice and data circuits due to lightning at DSNA Cluj and DR Bucharest PNA/CNS Cluj division locations, obtained from ROMATSA the Romanian air traffic services administration, 2013.

Published Books

- Micu D.D., Christoforidis G.C. & **Czumbil L.:** „Artificial Intelligence Techniques Applied to Electromagnetic Interference Problems between Power Lines and Metal Pipelines” in *Recurrent Neural Networks and Soft Computing*, Ed. InTech, ISBN: 978-953-51-0409-4, Ch. 12, pp. 253-274, Rijeka, Croatia, 2012.
- Micu D.D., Ceclan A., **Czumbil L.** & Csala D.: *Metode Numerice. Lucrări Practice*, Ed. Mediamira, ISBN: 978-973-713-278-9, Cluj-Napoca, Romania, 2010.

Published Papers

67 published papers from witch the most significant 10

1. **Czumbil L.,** Șteț D., Micu D.D., Braicu S., Manea B. & Spinean S.: „Analysis of Induced Electromagnetic Perturbations in Electrical and Telecommunication Cables due to Lightning Currents”, *49th International Universities Power Engineering Conference (UPEC)*, ISBN: 978-1-4799-6556-4, Cluj-Napoca, Romania, September 2-5, **2014**.
2. Micu D.D., Christoforidis G.C. & **Czumbil L.:** „AC Interference on Pipelines due to Double Circuit Power Lines: A detailed study”, *Electric Power System Research*, ISSN: 0378-7796, Vol. 103, pp. 1-8, **2013**.
3. **Czumbil L.,** Micu D.D., Șteț D., Christoforidis G.C. & Ancăș L.: „HVPL Conductor Sag Influence on Induced Voltage Evaluation in Nearby Metallic Structures”, *48th International Universities' Power Engineering Conference (UPEC)*, ISBN: 978-1-4799-3254-2, Dublin, Ireland, September 2-5, **2013**.
4. Micu D.D., **Czumbil L.,** Christoforidis G.C., Ceclan A. & Șteț D.: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, ISSN: 0332-1649, Vol. 31, No. 4, pp.1133-1143., **2012**.
5. **Czumbil L.,** Șteț D., Micu D.D., Țopa V. & Ancăș L.: „Induced Voltage and Current Computation for Different HVPL Operating Conditions”, *International Symposium on Electromagnetic Compatibility (EMC Europe)*, ISBN: 978-1-4673-0718-5, Rome, Italy, September 17-21, **2012**.
6. Șteț D., Micu D.D., **Czumbil L.,** Dărăbant L., & Ceclan A.: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, 0332-1649, Vol. 31, No. 4, pp.1718-1189., **2012**.
7. **Czumbil L.,** Ceclan A., Micu D.D., Șteț D., Erchedi M., Hanc S., Martineac C., Radu I., & Demean, A.: „On Some Mitigation Solutions for an Electromagnetic Interference Problem Analysis in Underground Cables”, *Acta Electrotehnica*, ISSN: 1841-3323, Vol. 54, No. 5, Special Issue: *Proceedings of the 5th International Conference on Modern Power Systems (MPS)*, pp. 120-125, Cluj-Napoca, Romania, May 28-31, **2013**.
8. Micu D.D., **Czumbil L.,** Christoforidis G.C. & Simion E.: „Neural Networks Applied in Electromagnetic Interference Problems”, *Revue Roumain des Sciences Techniques, Serie Electrotechnique et Energetique*, ISSN: 0035-4066, Vol. 57, No. 2, pp.162-171., 2012.
9. Micu D.D., **Czumbil L.,** Christoforidis G.C. & Ceclan A.: „Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem”, *IEEE Transaction on Magnetics*, ISSN: 0018-9464, Vol. 47, No. 5, pp. 1410-1413., May, 2011.
10. **Czumbil L.,** Micu D.D. & Ceclan A.: „Artificial Intelligence Techniques Applied to Electromagnetic Interference Problems”, *International Conference on Advancements of Medicine and Health Care Through Technology (MediTech)*, *IFMBE Proceedings*, ISSN: 1680-0737, Vol. 26, pp.339-344., September 23-26, **2009**.

ANNEXES

- Detailed list of Publications