

PERSONAL INFORMATION

GROS Ioana-Cornelia

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✉ Ioana.Gros@emd.utcluj.ro

Sex F | Date of birth 16/04/1980 | Nationality Română

CURRENT POSITION

Associate Professor, Department of Electrical Machines and Drives, Technical University of Cluj-Napoca

WORK EXPERIENCE

2003 – prezent

Lecturer (2013, Oct. - present); Assistant (2006, Oct. - 2013, Sept.);
Technical University of Cluj-Napoca, 28 Memorandumului Street, 400114, Romania

▪ Courses:

- Internet use in Electronic Business - Electrical Engineering, 4th year, bachelor (2015 - present)
- Microprocessors Systems – Electrical Engineering, 3th year, bachelor (2022 - present)

▪ Applications/Laboratory:

- Laboratory Electric Traction, 4th year bachelor (2003 – 2007)
- Laboratory Microprocessors Systems 3rd year, bachelor (2007 – prezent)
- Laboratory Internet use in Electronic Business, anul IV, licență (2015 – prezent)

▪ Teaching and research activities:

- 4 published books
- 24 indexed scientific papers (ISI indexed and IDB included);

▪ Proiecte de cercetare:

- 1 research project (national competition): Contributions to the study of electrical tubular permanent-magnet actuators. Funder: Ministry of Education, Research and Youth, National University Research Council, Grant TD, no 81/2008, CNCSIS code 211. Duration: 2008 – 2010 (18 months).
- 7 research projects (national competition) / member (CNCSIS, UEFISCDI);
- 1 research grant / member (Parteneriat interuniversitar pentru excelenta in inginerie - PARTING", Cod Contract: POSDRU/159/1.5/S/137516);
- 1 research projects with 3rd parties (national grant) – subsidiary project responsible

EDUCATION AND TRAINING

- 2003 - 2010 Ph.D. in Electrical Engineering, Technical University of Cluj-Napoca
- 2003 – 2004 Thorough Studies Diploma, Automation of electrical drives with energetic performances', Technical University of Cluj-Napoca
- 1998 – 2003 Engineer, Bachelor diploma (5 years), Faculty of Electrotechnics, Diploma thesis "Implementation of a Direct Thrust and Flux Control Method for a Linear Induction Motor" - Socrates-Erasmus cooperation stage at 'Universita degli Studi di Cassino', Italy.

RESEARCH STAGES

- 2006 Universita di Bologna, Italia – doctoral stage (3 months)
- 2007 Universita degli Studi di Cassino, Italia – doctoral stage (3 months)

PERSONAL SKILLS

Mother tongue(s) Română

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Reading	Spoken interaction	Spoken production	Reading	Spoken interaction
English	B2	B2	B1	B2	B2
French	B1	A2	A2	B1	A2
Italian	B1	B1	A2	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Job-related skills

Good Command of: Matlab-Simulink, FEM based software JMAG-Studio, open-source' softwares and on-line simulators for microcontrollers in assembly/programming languages (EdSim51, AVR Studio, Arduino IDE, TinkerCAD Circuits platform)

ADDITIONAL INFORMATION

- involvement in permanent committees at department / faculty / university level:
- Tutor for 3rd and 4th year, bachelor (2016)
- Member of the bachelor studies finalization committee (2016-2019)
- Member of the organization committee of SCSS (2015-2018)
- Member of various national and international organizations
- IEEE member (2019, 2020)
- Reviewer IEEE Transactions on industrial Electronics (2010, 2011, 2013, 2017), Energies (2017, 2019).

Associate Prof. Eng. Ioana-Cornelia GROS, PhD