

# CURRICULUM VITAE

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## Studies

- 1993 – The “Traian Lalescu” High School in Reșița, Informatics profile, chief of promotion;
- 1998 - The POLITEHNICA University of Timișoara, Faculty of Electrical Engineering, chief of promotion with a 10 mark;
- 1999- The POLITEHNICA University of Timișoara, Faculty of Electrical Engineering, master degree in Power Electronics and Apparatus, chief of promotion with a 10 mark;
- 2001 – Ph.D. at the POLITEHNICA University of Timișoara, Faculty of Electrical Engineering;

## Working experience

- From 1998 – a member of the teaching staff at the POLITEHNICA University of Timișoara Faculty of Electrical and Power Engineering, Power Systems Department, FULL TIME (full prof. since 2020, PhD Advisor since 2017);
- From 2001 to 2006 technical manager at PROTENERGO S.A. Timișoara, responsible for sales and custom applications across the West Region of Romania; PART TIME;
- From 2007, senior technical expert at Regional Innovation Center TEHIMPULS, Timisoara, responsible for Regional Research Projects and custom consultancy – PART TIME
- From 2016, project manager and assistant researcher, INCEMC Timisoara, (Senior Researcher since 2023)

## Technical and scientific activity and results

- 1996 and 1997 the “Excellent Student” award given by the “Orizonturi Universitare” Association in Timișoara;
- 1998 – as a student, the first research stage at PAUL SABATIER University in Toulouse, France, on the framework of the TEMPUS JEP 09737-95 program (in the field of non-linear electric materials); two other learning stages, at the POLITEHNICA University in Bucharest, as a student, in 1996, on the framework of the same European program;
- involved, since 2000 in many SOCRATES - ERASMUS European programs, at “PAUL SABATIER” University in Toulouse, France;
- 2001 – a research stage at Southampton Institute for Higher Education, on the framework of the TEMPUS JEP 12043-98 program (in the field of power electronics);
- 2001 – Ph.D. in electrical engineering, with the thesis “Contributions to the improvement of the thermal behavior for ZnO based varistors”, having a maximum “cum laude” mark;
- 2002 - the “Excellent Young Researcher” prize given by the “Orizonturi Universitare” Association in Timișoara;
- involved, from 1998 to 2000 in an INFO-COPERNICUS European research program and in two major Romanian research programs;
- 2003, 2004 and 2005, co-responsible for two AUF (Agence Universitaire de la Francophonie) educational programs in the field of electrical engineering;
- author and co-author of 11 technical and scientific books, 121 articles (108 indexed in ISI-WoS) ;
- owner, since 1999, of the Romanian patent RO 117052 B for a “High energy absorption varistor”;
- author and co-author of more than 121 scientific articles at different conferences or in different journals in Romania or other foreign countries (look on the Internet or ISI Indexed sites), in the field of Automation, Measurements, Sensors and Protection Equipment;
- President of the Romanian Association for Multidisciplinary Research (West Region-ACMV);
- June 2006 – one-month “formation for research” stage offered by AUF (Agence Universitaire de la Francophonie) at “Paul Sabatier” University in Toulouse, France.
- since 2006, involved in many didactic and research projects, with entities from Romania and abroad;
- since October 2006, Director of the National Research Program CEEX ET 33, called “FUNCTIONAL PERFORMANCE IMPROVEMENT FOR LOW VOLTAGE ZNO BASED VARISTORS OVERVOLTAGE PROTECTION SURGE-ARRESTERS”
- since 2007 – Member of the Auditory Board for Research-Innovation and Development of the Regional Innovation Center TEHIMPULS, Timisoara.
- since 2008 – management position in 4 POSDRU Projects, and one PHARE CBC Project, as well 1 AUF Grant;
- 2011-2013 – experts team manager for the POSMEDIU Project *Refurbishment of Timisoara District Heating System*
- since 2016 – assistant researcher (project-based) at the National Institute for Electrochemistry and Condensed Matter in Timisoara
- Owner of the MEASUREMENTS Course, for students at the Faculty of Electrical Engineering, POLITEHNICA University of Timisoara, as well as POWER APPARATUS and EQUIPMENT Courses, at the same Faculty.

## Other information

- married, one child;
- owner of a type B driving license;
- military stage accomplished at “Ion Vodă” Artillery School for Officers in Sibiu, between 1999 and 2000 (officer on retreat);
- owner of a computer operator certificate obtained after High School graduation, having general experience under DOS, Windows, Office, programming languages such C, Pascal, Basic and technical software like AutoCAD, SUCOSOFT, FLUX 2D, 3D and many other similar products;
- hobbies: photography, history, aviation, traveling, design, tennis.

## Languages

- French (very high level, owner of the D.A.L.F. certificate, given by the French Ministry of Education); C2-C2
- English (advanced level); C2-C2
- Italian (basic level); B2-B1

Timișoara, January 2026

Flaviu Mihai FRIGURĂ-ILIASA