



Silviu Folea

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WORK EXPERIENCE

 **TECHNICAL UNIVERSITY OF CLUJ-NAPOCA** – CLUJ-NAPOCA, ROMANIA

Address no 28, Memorandumului st, 400114, Cluj-Napoca, Romania

PROFESSOR – 2017 – CURRENT

- Didactical: Embedded Systems, Reconfigurable Systems, Microsystems and Data Acquisition;
- Research: low power wireless sensors; advanced control algorithms, implementation on industrial equipment;

 **CONTROL DATA SYSTEM SRL** – CLUJ-NAPOCA, ROMANIA

Address no 21, Gării st, 400267, Cluj-Napoca, Romania

R&D MANAGER, WIRELESS RESEARCH MANAGER – 2013 – 2016

- Research and development of wireless sensors

 **TECHNICAL UNIVERSITY OF CLUJ-NAPOCA** – CLUJ-NAPOCA, ROMANIA

ASSOCIATE PROFESSOR – 2007 – 2017

- Didactical and research activities

 **SC NATIONAL INSTRUMENTS ROMANIA SRL** – CLUJ-NAPOCA, ROMANIA

Address no 77, 21 Decembrie 1989 blvd, 400604, Cluj-Napoca, Romania

HARDWARE ENGINEER – 2005 – 2007

- Research and development of process equipment

 **TECHNICAL UNIVERSITY OF CLUJ-NAPOCA** – CLUJ-NAPOCA, ROMANIA

LECTURER – 2002 – 2007

- Didactical and research activities

 **TECHNICAL UNIVERSITY OF CLUJ-NAPOCA** – CLUJ-NAPOCA, ROMANIA

ASSISTANT PROFESSOR – 1999 – 2002

- Didactical and research activities

 **TECHNICAL UNIVERSITY OF CLUJ-NAPOCA** – CLUJ-NAPOCA, ROMANIA

ASSISTANT PROFESSOR (JR.) – 1996 – 1999

Didactical and research activities

EDUCATION AND TRAINING

17/04/2017 Cluj-Napoca, Romania

HABILITATION THESIS Technical University of Cluj-Napoca

Website https://www.utcluj.ro/media/page_document/204/Teza_de_Abilitare_Folea_Silviu.pdf |

Field of study Wireless Sensors and Embedded Systems in Process Control | **Level in EQF** EQF level 8

Field of study Development of embedded systems for integration with LabVIEW(TM) graphical programming |
Level in EQF EQF level 8

Field of study Advanced control system design | **Level in EQF** EQF level 7

Field of study Control system design, hardware design, software applications | **Level in EQF** EQF level 6

● **LANGUAGE SKILLS**

Mother tongue(s): **ROMANIAN**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **SKILLS**

Embedded Systems | OrCAD PCB Designer | LabVIEW | Hardware Design

● **PATENTS AND AWARDS**

List

- Two international patents in the US and a patent in Romania, awarded with 4 gold medals and a silver one at different inventions salons;
- International HiPEAC Tech Transfer Award 2016 for the project "Sub 1 GHz ISA100 technology for low cost and low power consumption embedded systems"

● **PUBLICATIONS**

Publication metrics

- h-index: 23 (Google Scholar), 14 (WoS), 17 (Scopus).
- Seven book chapters in international publishers and seven books in national publishers;
 - Book editor for an international publishers;
 - 153 scientific articles published in journals or presented at international and national conferences, including:
 - 30 papers in WoS journals and 51 papers in WoS Proceedings;
 - 15 papers in IDB and 51 are published in peer-reviewed journals or at conferences;
 - 2476 citations in articles in WoS journals, books and proceedings, in IDB indexed journals or proceedings.

Link <https://scholar.google.ro/citations?user=nQalLkAAAAAJ&hl=ro>

● **PROJECTS**

Project metrics

- Two international and one national grants as project manager or team leader of research and development groups; Member of the research team in 22 national and 3 international projects.

● **CONFERENCES AND SEMINARS**

Reviewer for journals and conferences

- 23 journals: *IEEE Transactions on Instrumentation & Measurement*; *IEEE Transactions on Industrial Informatics*; *IEEE Access*; *Energies*^{MDPI}; *Sustainability*^{MDPI}; *International Journal of Distributed Sensor Networks*^{SAGE}; *IET Circuits, Devices and Systems*; *Mechanical Systems and Signal Processing*^{Elsevier}; *Sensors*^{MDPI}; *Journal of Sensors*^{Hindawi}; *IEEE Transactions on Industrial Electronics*; *IEEE Sensors Journal*; *ISA Transactions*^{Elsevier}; *Automation in Construction*^{Elsevier}; *Electronics*^{MDPI}; *Applied Sciences*^{MDPI}; *Control Engineering Practice*^{Elsevier}; *Journal of Circuits, Systems, and Computers*^{WSP}; *Transactions of the Institute of Measurement and Control*^{SAGE}; *International Journal of Dynamics and Control*^{Springer}; *International Journal of Vehicular Technology*; *Computers in Biology and Medicine*^{Elsevier}; *ACAM*.
- 2 book publishers: *Science Publisher*, *InTech*.
- 25 conferences: *IEEE AQTR 2024-2004*, *IEEE ICSTCC 2024, 2020, 2017*, *IEEE ICCA2020*, *ICARCV 2020*, *CoDIT 2020-2019*, *IFAC PID 2018*, *IEEE ISCS 2018*, *MED 2017*, *IEEE IES ICIT17*, *IEEE PES Innovative Smart Grid Technologies 2016*, *ISGT Asia 2016*, *CAMAD 2013*.

● **MEMBERSHIPS**

List

IEEE member since 2007;
HiPEAC member since 2016;
IEEE senior member since 2018.