

PERSONAL DATA

Strilețchi Cosmin



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PROFESSIONAL EXPERIENCE

2024 – until now

Associate professor

Technical University of Cluj-Napoca, Faculty of Electronics, Telecommunications and Information Technology, Communications Department

Courses

- “Ingineria Programarii / Inginerie software” (bachelor, year 2, semester 2)
- “Tehnologii web și baze de date” – (bachelor, year 3, Communication Systems and Technologies)
- “Baze de date in economie” – (bachelor, year 3, Economic Engineering)

Practical activities

- “Programarea calculatoarelor si limbaje de programare 1” (bachelor, year 1 (EN, RO), semester 1, IETC)
- “Programarea calculatoarelor si limbaje de programare 2” (bachelor, year 1 (EN, RO), semester 2, IETC)
- “Ingineria Programarii / Inginerie software” - (bachelor, year 2 (EN, RO), semester 2, IETC)
- “Tehnologii web și baze de date” – (bachelor, year 3, semester 1, Communication Systems and Technologies, EN, RO)

Activity domain Information Technology

2007 – 2024

Assistant professor

Technical University of Cluj-Napoca, Faculty of Electronics, Telecommunications and Information Technology, Communications Department

Courses

- “Ingineria Programarii / Inginerie software” (bachelor, year 2, semester 2)
- “Pachete software utilizate in comunicatii” (master SICAS, year 1, semester 1)
- “Tehnologii web și baze de date” – (bachelor, year 3, Communication Systems and Technologies)

Practical activities

- “Programarea calculatoarelor si limbaje de programare 1” (bachelor, year 1 (EN, RO), semester 1, IETC)
- “Programarea calculatoarelor si limbaje de programare 2” (bachelor, year 1 (EN, RO), semester 2, IETC)
- “Ingineria Programarii / Inginerie software” - (bachelor, year 2 (EN, RO), semester 2, IETC)
- “Pachete software utilizate in comunicatii” – (master SICAS, year 1, semester 1)
- “Tehnologii web și baze de date” – (bachelor, year 3, semester 1, Communication Systems and Technologies, EN, RO)

Activity domain Information Technology

1999 - 2007

Assistant

Technical University of Cluj-Napoca, Faculty of Electronics, Telecommunications and Information Technology, Communications Department

Practical activities

"Programarea calculatoarelor si limbaje de programare 1" (bachelor, year 1 (EN, RO), semester 1, IETC)

"Programarea calculatoarelor si limbaje de programare 2", (bachelor, year 1 (EN, RO), semester 2, IETC)

"Ingineria Programarii / Inginerie software" (bachelor, year 2 (EN, RO), semester 2, IETC)

Activity domain Information technology

EDUCATION

Time interval 2001 - 2006

Diploma **PhD in engineering sciences – Electronics and Telecommunications Engineering**

Technical University of Cluj-Napoca

- Contributions to the security of distributed multimedia applications

Time interval 1993 - 1999

Diploma **Engineer (bachelor, Master of Science) – Electronics and Telecommunications Engineering**

Technical University of Cluj-Napoca

- Programming languages, signal processing, networking, communication systems

PERSONAL COMPETENCIES

Native language Romanian

Foreign languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Conversation	Speech	
English	C1	C1	C1	C1	C1
Certificate of Language Proficiency					
French	B1	B1	B1	B1	B1
Certificate of Language Proficiency					

Levels: A1/2: Beginner - B1/2: Independent user - C1/2: Experienced user

Organizational/managerial competences

- Experience in software project management, coordinating teams of programmers
- Project management in software companies
 - Project management in research teams
 - Software projects management methodologies (Waterfall, Agile, Scrum)

Technical skills and competences

- Software programming technologies on various platforms (C/C++, Java, PHP, Android, etc.)
- Database engines (MySQL, SQL, Oracle, Access, etc.)
- Web servers (Apache, Tomcat, IIS, etc.)
- Security technologies
- Distributed applications implementation technologies
- Design, development and implementation methodologies of digital educational solutions
- Multimedia applications
- Neural networks

Dissemination activity Main author / co-author of 20+ specialized books
Main author / co-author of 25+ scientific papers (ISI WOS, IEEE, Scopus, other IDB)
(appendix: publications list)

Research activity Main researcher in 13 research projects between 2004 – until now

Project director in 1 research project for third parties (2023), presented as follows.

The purpose of the project: starting from the existing WEB_MATRIX platform, already applied for the development of educational applications, for the management of a company's human resources, for the management of requests for connection to the electricity network, etc., its development was oriented towards managing large volumes of data. The ultimate goal is to apply it in the development of complex ERP solutions. The following stages have been completed:

* the execution times of WEB_MATRIX software modules were analyzed, especially when applied in computationally intensive pages (large volumes of data)

* identifying and implementing mechanisms that lead to the efficiency of software modules that manage the user interface

* identifying and implementing the mechanisms that lead to the efficiency of the software modules that manage the database interaction

Technical presentations / workshops Technical presentations at: Universite de Nice, Sophia Antipolis, France, Univ. Federico II din Napoli, Italy, Univ. of Medicine, Viena, Austria