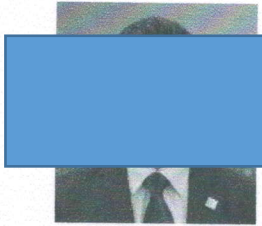


PERSONAL INFORMATION

Ciupe Valentin



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✉ valentin.ciupe@upt.ro

🌐 mctr.mec.upt.ro/personal/valentin-ciupe/

Sex Male | Date of birth [Redacted] Nationality Romanian

WORK EXPERIENCE

2021 – present day **Vice president of the Romanian Robotics Society – Timișoara branch**
 Universitatea Politehnica Timișoara
 Timișoara, Bd. Vasile Pârvan, nr.2, 300223; www.srrtm.ro
 ▪ Management activities specific to SRR management;
 ▪ Promotion activities specific to the field of Robotics.
 Business or sector Management / Non-profit professional society

2021 – present day **Head of the Research Centre for Mechatronics and Robotics in UPT**
 Universitatea Politehnica Timișoara
 Timișoara, Bd. Mihai Viteazul, nr.1, 300222; www.upt.ro
 ▪ Management activities specific to research management;
 ▪ Promotion activities specific to the research and outcomes in Mechatronics and Robotics.
 Business or sector Management / University

2018 – present day **Associate Professor**
 Universitatea Politehnica Timișoara, Facultatea de Mecanică, Departamentul de Mecatronică
 Timișoara, Bd. Mihai Viteazul, nr.1, 300222; www.upt.ro
 ▪ Teaching activities: PLC (course, laboratory); PLC-applications (course, lab, project); Microcontrollers (course); Actuating Systems (laboratory, project); Robot control systems (laboratory); Basics of Intelligent Manufacturing Systems (laboratory);
 ▪ Research activities: International and national research grants (member); Research and development projects with the economic environment (director, member); Life-long education projects (director, member)
 ▪ Coordination of undergraduate and dissertation projects; Doctoral student guidance
 Business or sector Education / University

2009 - 2018 **Lecturer**
 Universitatea Politehnica Timișoara, Facultatea de Mecanică, Departamentul de Mecatronică
 Timișoara, Bd. Mihai Viteazul, nr.1, 300222; www.upt.ro
 ▪ Teaching activities: PLC (course, laboratory); PLC-applications (course, lab, project); Microcontrollers (course); Actuating Systems (laboratory, project); Robotic applications (course, laboratory);
 ▪ Research activities: International and national research grants (member); Research and development projects with the economic environment (director, member); Life-long education projects (director, member)
 ▪ Coordination of undergraduate and dissertation projects; Doctoral student guidance
 Business or sector Education / University



- 2011 – present day **General manager**
 SC MV Robsol SRL
 Timișoara, Str. Bujorilor nr. 65-67/A, 300431; www.robsol.ro
 - Management and projects implementation
 - Consulting activities
 - Engineering activities
 Business or sector Engineering and consulting
- 05.2016 **Invited expert**
 Optotransmitter-Umweltschutz-Technologie e.V.
 Berlin, Köpenicker Str. 325 / Haus 201, 12555; www.out-ev.de
 - Project management: UPT side consortium representative for development of project FLASH
 - Research activities in the field of LED lighting
 Business or sector Research institute
- 02.2012 – 04.2012 **Invited researcher**
 Institut Francais de Mecanique Avancee
 Clermont-Ferrand, Campus des Cezeaux - CS 20265; www.sigma-clermont.fr
 - Organizing activities: Co-Chair of the organizing committee, MTM & Robotics conference 2012
 - Research activities in the field of robotic handling for automatic deboning processes
 Business or sector University / Research institute
- 2006 - 2009 **University assistant**
 Universitatea Politehnica Timișoara, Facultatea de Mecanică, Departamentul de Mecatronică
 Timișoara, Bd. Mihai Viteazul, nr.1, 300222; www.upt.ro
 - Teaching activities: Advanced Programming Languages (laboratory); Hydraulic and pneumatic drive systems (laboratory, project); Automatic Data Processing (laboratory); Prostheses (laboratory, project)
 - Research activities: National research grants (member); Research and development projects with the economic environment (member); Life-long education projects (member)
 - Coordination of undergraduate projects
 Business or sector Education / University
- 2001 - 2006 **PhD Student / Substitute Assistant**
 Universitatea Politehnica Timișoara, Facultatea de Mecanică, Departamentul de Mecatronică
 Timișoara, Bd. Mihai Viteazul, nr.1, 300222; www.upt.ro
 - Research activities: Development of doctoral thesis
 - Teaching activities: Hydro-pneumatic drives (laboratory, project); Advanced Programming Languages (laboratory); Simulation of Electro-mechanical Systems (laboratory); Prostheses (laboratory, project)
 Business or sector Education / University
- 2003 - 2005 **IT Technician**
 SC PK Digital SRL
 Timișoara, Str. Daliei, nr. 13/A
 - Handling warranty issues for computer components
 - Various activities related to computers and IT components



Business or sector IT products distribution

- 2000 - 2003 **IT Technician**
 SC Condata SRL
 Arad, Str. Zdrenjanin, nr. 8
- Network and IT systems administrator
 - Generation of digital maps and collection of reference points
- Business or sector Engineering services in telecommunications

EDUCATION AND TRAINING

- 2011 **KUKA College certificate**
 KUKA Robotics Hungaria Ipari Kft.
 ▪ Course "Basic Robot Programming"
- 2001 - 2006 **PhD diploma** EQF nivel 8
 Universitatea „Politehnica” din Timișoara
 ▪ Contributions to the Constructive and Functional Optimization of Anti-lock Brake Systems
- 1996 - 2001 **Engineer diploma** EQF nivel 6
 Universitatea Politehnica Timișoara, Facultatea de Mecanică, Industrial Robots specialization
 ▪ Automatic Surface Measurement System
- 1992 - 1996 **Baccalaureate diploma** EQF nivel 5
Programing analyst assistant certificate
 Elena Ghiba-Birta High school, Arad, Informatics specialization
 ▪ Micro-caddy: C ++ program for the selection and calculation of several types of mechanical transmissions

PERSONAL SKILLS

Mother tongue Romanian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B2	B2	B1	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

- Communication skills
- very good communication skills acquired through the experience of university teacher and trainer
 - very good communication skills acquired by offering specialized technical advice and assistance



- Organizational / managerial skills**
- good teamwork, coordination and division of tasks skills
 - good skills for organizing events with a large number of people, acquired through coordination and participation in the organizing committees of several international conferences, workshops and summer schools
 - good skills for organizing and managing and implementing projects, acquired as a result of professional and independent activities

- Job-related skills**
- very good skills for disseminating information, analysis and scientific research, acquired through the experience of a university teacher and researcher
 - very good knowledge and skills of working with pneumatic and electro-pneumatic equipment; very good working skills and installation of PLCs, microcontrollers and robots of different types
 - a very good knowledge of PLC programming environments: Step7, TIA Portal, WinCC, MicroWin, FST, CX-One, Codesys, as well as the Fluidsim simulation environment
 - good programming knowledge of industrial robots (Kuka, Cloos, UR, Dobot)
 - good knowledge of working with FDM 3D printers as well as associated programs and utilities.

Computer skills

SELF EVALUATION				
Data processing	Communication	Content creation	Security	Problem solving
Experienced user	Experienced user	Experienced user	Experienced user	Experienced user

Levels: Elementary user - Independent user - Experienced user
 Digital skills - Self-assessment grid

- a long experience (over 20 years) with IT technology, both in terms of hardware and software, acquired as a result of professional and independent activities.
- very good programming skills in different languages: .NET (VB, C #), good programming skills in languages based on C and Pascal standards, in scripting languages (Matlab / Octave, LUA, Python), as well as in Web design work (HTML, Wordpress)
- very good working skills with Windows / Linux operating systems as well as with associated utilities and general-purpose programs; good command of several CAD / CAE design environments (SolidWorks, Creo, Fusion 360, FreeCad, AutoCad), very good working skills with dedicated multimedia and internet programs
- good photo-video and audio editing skills (Gimp, Paint.Net, Inkscape, Audacity, VirtualDub, VSDC), acquired as a result of independent activities.
- web page admin for the Department of Mechatronics at UPT: <http://mctr.mec.upt.ro>

- Other skills**
- passionate about new technologies in many fields – and how different things are built
 - woodworking, design and construction of acoustic enclosures and furniture
 - DIY projects, nature and outdoor activities lover, amateur photographer, amateur beekeeper

Driving license B type



ADDITIONAL INFORMATION

Projects ▪ R&D projects' management (project director):

Project/contract name	Contract no.	Date	Funding source	Value, Euro
High performance mechatronic system for book scanning in the Branch Library of the Romanian Academy	BC 100	2021-2022	Romanian Academy	30000
Cooperation agreement Festo-UPT	CEP 46	2018-2022	FESTO SRL	952
Cooperation agreement ZOPPAS-UPT	CEP 43	2018	SC ZOPPAS Industries România SRL	4260
Cooperation agreement Festo-UPT	CEP 16	2015 - 2017	FESTO SRL	11100
Technical assistance and consulting on the optimization of small-scale railway model manufacturing processes and equipment.	67/2011	2011	SC Modelleisenbahn SRL Arad	2120
Technical assistance for the maintenance of pneumatic drive systems	61/2009	2009	SC MAHLE Componente de motor SRL Timisoara	792
Technical assistance and consulting in hydraulic and pneumatic drive systems	657/2008	2008	SC TRW Automotive Safety Systems SRL Timișoara	869

Honors and awards

- FLEX Recognition Award – for his contribution to science and technology in Timisoara (2017)
- Best Paper Award – Third IFToMM Asian Conference on Mechanism and Machine Science (2014)
- „Bologna Professor” title, awarded by the National Alliance of Romanian Student Organizations (ANOSR), <http://www.profitari.ro/comunitate/professori-bologna.html>
- Best Poster Award – 20th DAAAM International World Symposium (2009)

Memberships

- Association for Promoting the Digital Mechanism and Gear Library – DMG-Lib e.V. (din 2016)
- Romanian Robotics Society – SRR (din 2012)
- Romanian Association for Mechanisms and Machine Science – ARoTMM (din 2012)

Research interests

- electro-pneumatics, automation and control, service and industrial robots, general mechatronics

References

- trainer for Festo Didactic Romania since 2006, in the fields of: pneumatics, electro-pneumatics, valve islands, electric drives, PLCs, safety in pneumatics, energy saving in pneumatics, engineering principles in pneumatics