

PERSONAL INFORMATION

Pop Cristina Bianca



📍 Str. Dr. L. Pasteur, nr. 26, ap. 30, Cluj-Napoca, 400349, judetul Cluj, Romania

☎ 0264202352 📠 0745069113

✉ cristina.pop@cs.utcluj.ro

🔗 https://users.utcluj.ro/~crisb_pop/

💬 Skype crisb_pop

Sex Female | Birthdate 13/10/1983 | Nationality Romanian

JOB APPLIED FOR

Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department, Associate Professor position 35

WORK EXPERIENCE

2016-present day

Lecturer

Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department

- Didactic activities for Fundamental Programming Techniques and Distributed Systems
- Research activities within the research projects of the Distributed Systems Research Laboratory

Business or sector: Education and Research

2015-2016

Asistent professor

Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department

- Didactic activities for Fundamental Programming Techniques and Distributed Systems
- Research activities within the research projects of the Distributed Systems Research Laboratory

Business or sector: Education and Research

2008-2015

Graduate assistant

Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department

- Didactic activities for Distributed Systems and Software Design
- Research activities within the research projects of the Distributed Systems Research Laboratory

Business or sector: Education and Research

2007-2008

Research Assistant

Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department

- Research activities within the research projects of the Distributed Systems Research Laboratory

Business or sector: Education and Research

EDUCATION

2013

PhD diploma in Computers and Information Tehnology

Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department

Thesis title: "Nature-Inspired Techniques For Optimization Problems In Service Oriented And Green Computing"

- 2009 **Master diploma in Communication Networks and Distributed Systems**
 Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department
 Competences: software engineering, computer networks, distributed systems, intelligent systems, artificial vision, algorithms and computability, interactive systems, wireless and mobile communications, service oriented distributed computing
- 2007 **Bachelor diploma in Systems and Computers Engineering**
 Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department
 Competences: programming techniques, databases, computer architecture, computer graphics, fundamental algorithms, software engineering, operating systems, computer networks, distributed systems, etc.
- 2005 **Certificate in Advanced English**
 University of Cambridge

PERSONAL SKILLS

Mother tongue Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Oral speaking	
Engleza	C1: Proficient user	C1: Proficient user	C1: Proficient user	C1: Proficient user	C1: Proficient user
Certificate in Advanced English, University of Cambridge, grade C					

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

Communication skills Good communication skills gained from: (i) 14 years of experience in teaching out of which 7 years as course holder, (ii) participation to conferences, (iii) progress meetings organized within the Distributed System's Research Laboratory research projects.

Organizational/ managerial skills Good organizational skills gained from: (i) the coordination of two research projects; (ii) scientific coordination of an international research project; (iii) the coordination of license and master thesis; (iv) the coordination of the secretary activity within the bachelor studies graduation exams.

Job-related skills Didactic skills gained from the publishing as co-author of a didactic book.
 Research skills gained from: (i) the participation as member in 15 national and international research projects (out of which 2 as project manager and 1 as scientific responsible) of the Distributed Systems Research Laboratory; (ii) the publication of 69 research papers indexed in international data bases and 2 research papers that are not indexed.

Computer Science skills Design and implementation of OOP and distributed systems.

Driving license Category: B

ADDITIONAL INFORMATION

Relevant Publications

71 publications out of which the most representative are the following:

- **C. B. Pop**, T. Cioara, I. Anghel, M. Antal, V. Chifu, C. Antal, I. Salomie, *Review of bio-inspired optimization applications in renewable-powered smart grids: Emerging population-based metaheuristics*, Energy Reports, Volume 8, 2022, pp. 11769-11798 [ISI JOURNAL IF: 4.937; Q2]
- V. Chifu, **C. B. Pop**, D. Demjen, R. Socaci, D. Todea, M. Antal, T. Cioara, I. Anghel, C. Antal, *Identifying and Monitoring the Daily Routine of Seniors Living at Home*, Sensors Journal, Volume 22, Issue 3, 2022. [ISI JOURNAL IF:3.847; Q2]
- V. Chifu, **C. B. Pop**, A. M. Rancea, A. Morar, T. Cioara, M. Antal, I. Anghel, *Deep Learning, Mining, and Collaborative Clustering to Identify Flexible Daily Activities Patterns*. Sensors Journal, Volume 22, Issue 13, 2022. [ISI JOURNAL IF:3.847; Q2]
- V. Chifu, T. Cioara, **C. B. Pop**, I. Anghel, D. Demjen, I. Salomie, *Identification of Daily Living Recurrent Behavioral Patterns Using Genetic Algorithms for Elderly Care*. Applied Sciences, Volume 12, Issue 21, 2022. [ISI JOURNAL IF: 2.838; Q2]
- I. Anghel, T. Cioara, D. Moldovan, M. Antal, C. D. Pop, I. Salomie, **C. B. Pop**, V. Chifu, *Smart Environments and Social Robots for Age-Friendly Integrated Care Services*. International Journal Of Environmental Research And Public Health, Volume 17, Issue 11, 2020. [ISI JOURNAL IF: 4.614; Q1]
- V. Chifu, **C. B. Pop**, I. Salomie, D. S. Suia, A. Niculici, A. Negrean, H. Jeflea, *Optimising the Semantic Web Service Composition Process Using Bio-inspired Methods*, International Journal of Bio-Inspired Computation, Volume 5, Issue 4, 2013. [ISI JOURNAL IF: 3.295; Q2]

Relevant research Projects

- SMARTBUILDINGS – Inovative Solution for smart buildings efficiently integrated with the energy system (2023-2025), Project type TVA 3998/09.02.2023, Budget: 55.000 lei. **PROJECT MANAGER.**
- INTEL-DIET – Intelligent services for generating personalized diets using hyper-heuristics (2017-2018), UTCN internal research project, Contract number 1997/12.07.2017, Budget: 20.000 lei. **PROJECT MANAGER.**
- engAGE - Managing cognitivE decliNe throuGh theatre therapy, Artificial intelliGence and social robots drivEn interventions (2021-2024), Code AAL264/2021, Active and Assisted Living Programme. Budget UTCN: 1,703,309.00 lei. **SCIENTIFIC RESPONSIBLE**
- H2HCARE - Social robot-based solution for elders' Care management and coaching after discharge from Hospital to Home (2020-2023), Cod AAL159/2020, Active and Assisted Living Programme. Budget UTCN: 1,799,087.00 lei. **RESEARCH TEAM MEMBER**
- Remember-ME - Smart assistant to prevent and detect cognitive decline, promote cognitive function and social inclusion among older adults (2020-2023), Cod AAL162/2020, Active and Assisted Living Programme. Budget UTCN: 1,003,889.00 lei. **RESEARCH TEAM MEMBER**
- ReMIND - Robotic ePartner for Multitarget INnovative activation of people with Dementia (2018-2022), AAL59/2018, Active and Assisted Living Programme. Budget UTCN: 984,378.00 lei. **RESEARCH TEAM MEMBER**
- MedGUIDE - ICT Integrated System for Coordinated Polypharmacy Management in Elders with Dementia (2017-2019), AAL44/2017, Active and Assisted Living Programme. Budget UTCN: 896,402.00 lei. **RESEARCH TEAM MEMBER**

ANNEXES

- Complete publications list

June 9, 2023

SL. Dr. ing. Cristina Bianca Pop

