



Paula Amalia Raica

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● WORK EXPERIENCE

 **DEPARTMENT OF AUTOMATION, TECHNICAL UNIVERSITY OF CLUJ-NAPOCA – CLUJ-NAPOCA, ROMANIA**
ASSOCIATE PROFESSOR – 10/2009 – CURRENT

- Teaching and research activities
- Teaching: courses, laboratory work and projects in Optimization (4th year – Romanian & English), Systems Theory (2nd year – Romanian & English), Optimal Control (Master level: Advanced Process Control, Advanced Manufacturing Control Engineering).
- Research: Modeling and simulation of distributed parameter processes; Modeling of biomedical systems

LECTURER – 10/2002 – 10/2009

- Teaching: courses, labs and projects in Optimization Techniques (5th year – English), Systems Theory (3rd year – Romanian & English), Modeling and Simulation of Dynamic Processes (postgraduate – Modern Techniques in Automatic Control).
- Research: Modeling and simulation of distributed parameter processes; Isotopic separation modeling through chemical exchange.

ASSISTANT PROFESSOR – 1997 – 2002

- Teaching: seminars, projects and laboratory work in Optimization Techniques (5th year – Romanian & English), Systems Theory (3rd year – Romanian & English).
- Research: Modeling of distributed parameter processes; Isotopic separation modeling through chemical exchange.

TEACHING ASSISTANT – 1996 – 1997

- Teaching: seminars, projects and laboratory work in Optimization Techniques (5th year – Romanian & English), Systems Theory (3rd year – Romanian & English), Modeling and Simulation of Dynamic Processes (6th year – Modern Techniques in Automatic Control).
- Research: Modeling of distributed parameter processes.

● EDUCATION AND TRAINING

1997 – 2004 Cluj-Napoca, Romania

PHD IN AUTOMATIC CONTROL Technical University of Cluj-Napoca

- PhD Thesis: *Contributions to the modeling and simulation of distributed parameter processes*
- Supervisor: Prof.dr.ing. Tiberiu Coloși

Level in EQF EQF level 8

ENGINEERING DIPLOMA Technical University of Cluj-Napoca

- Faculty of Automation and Computers
- Degree in Electrical Engineering, specialization in Automation

Level in EQF EQF level 7

● **INTERNATIONAL TRAINING STAGES**

03/1997 – 05/1997
Tempus IMG Internship

Université Paul Sabatier, Toulouse, France, Laboratoire de Mathématiques pour l'Industrie et la Physique

04/1998 – 05/1998
Tempus internship

- Ghent University, Department of Control Engineering and Automation
- Gerhard-Mercator University GH-Duisburg, Department of Control Engineering.

04/2000 – 05/2000
ICCoS Internship

Ghent University, Department of Control Engineering and Automation

22/09/2022 – 25/09/2022
Success in entrepreneurship ecosystem development program (SEED 2022)

University Leadership Program provided by Babson College, in Bucharest, Romania

● **LANGUAGE SKILLS**

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

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	C1	C1	B2
FRENCH	B1	B2	A2	A2	A2
SPANISH	B1	B1	A2	A2	A2

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

● **PUBLICATIONS**

5 books and 1 book chapter

55 scientific papers published in international journals or proceedings of international and national conferences

● **PROJECTS**

2006 – 2008
Development of technology for 15N isotope separation at 99%at concentration for nitride nuclear fuel, SIASI

- Scientific coordinator/Partner director
- CEEX contract no. 74/2006

2003 – 2003
Modeling and simulation of isotopic separation of C-13 by chemical exchange

- Project Director
- CNCSIS contract no. 144/2003

Member in 20 national research projects and 1 international project obtained through competition

● INSTITUTIONAL ACTIVITIES

2020 – CURRENT

Director, University Management Office, Technical University of Cluj-Napoca

2013 – 2017

Counselor, Department for Quality Assurance, Technical University of Cluj-Napoca

2012 – CURRENT

Quality Assurance Officer, Faculty of Automation and Computer Science, Technical University of Cluj-Napoca

2007 – 2012

Quality Assurance Officer, Department of Automation, Technical University of Cluj-Napoca

● INSTITUTIONAL PROJECTS

2024 – 2024

EUt+ Status and structure experience - STYX

Technical expert

contract no. 101114599 - STYX / ERASMUS-EDU-2022-POL-EXP-HE

2018 – 2021

Computers, Cognition and Communication in Control: a strategic partnership – Co4AIR

- project member
- Erasmus KA2+

2021 – 2021

Improving public policies in higher education and increasing the quality of regulations through updating quality standards – QAFIN

responsible for classification and ranking exercise, Technical University of Cluj-Napoca

2009 – 2011

Learn Automation

POSDRU/90/2.1/S/64051

Communication / coordination manager

2011 – 2011

National Network for Continuous Training of Teachers in Pre-university Vocational and Technical Education – CONCORD

- Short-term expert B
- POSDRU/87/1.3/S/61397

● MEMBERSHIPS

CURRENT

Member IEEE / Control Systems Society

CURRENT

Member of the Romanian Society of Automation and Technical Informatics (SRAIT)

● SCIENTIFIC EVENTS AND ACADEMIC SERVICES

Program Chair

IEEE International Conference on Automation, Quality and Testing, Robotics (2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024)

Reviewer for international journals and conferences

● **HONOURS AND AWARDS**

2008

IEEE Computer Society Certificate of Appreciation, For serving the International Conference on Automation, Quality and Testing, Robotics – AQTR 2008 as Organizing Committee – IEEE

● **ORGANISATIONAL SKILLS**

Team coordination and leadership skills

- acquired as Quality Management Officer at department and faculty level, and by coordinating research projects.

Expertise in quality assurance and evaluation

- Quality Assurance Department Counselor 2013–2017
- Quality Assurance Officer at faculty and department level 2007–present

Project manager

CNFPa professional competence certificate

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication and public speaking skills

- acquired through teaching and participation in numerous conferences and public events.