



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

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
- CEEEX 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

14/12/2020 – 01/11/2025

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**

08/2024 – 06/2025

Cluj Dual Education Consortium (Consortiul de Invatamant dual clujean)

Executive Manager for the Partner Institution: Technical University of Cluj-Napoca

- project number e-PNRR: 1277457265
- contract number 13835 / 29.11.2023)

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)

● **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.