Curriculum vitae
Europass

Personal information	
Surname / name	**ROMAN Monica**
Telephone	+40251438198
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E-mail	monica.roman@edu.ucv.ro
Nationality	Romanian
Occupational field	**University of Craiova** **Professor, researcher**
Work experience	
Dates	2003 - present
Occupation or position held	Professor (1.10.2019 - present), Assoc. Prof. (1.10.2014 – 30.09.2019), Lecturer (1.10.2011 – 30.09.2014), Asist. Prof. (01.03.2007 – 30.09.2011), Ph.D. student / researcher (1.10.2003 – 28.02.2007)
Main activities and responsibilities	**Teaching activity** Courses, applications and laboratory: Modelling, identification and simulation; Signals and systems; Virtual instrumentation; Complex systems modelling; Applied informatics in chemistry; Control systems in aviation. Graduating projects and disertations: Modelling and simulation, Control systems, Virtual instrumentation and data acquisition systems. PhD students coordinator, member in PhD and graduation exams committees. **Research activity** Managing activities within research projects. Research activities as member in various research projects. *Theoretical and practical results:* Modelling methodologies for nonlinear systems (biotechnology and thermochemistry); Theory and applications of bond graph method; On-line and off-line identification algorithms for biosystems; Applications of adaptive control for biotechnological processes; Simulation and modelling software tools for biotechnological processes in Matlab/Simulink/Simscape, 20sim, BondSim; Experimental platforms and software for data acquisition and control (using National Instruments/LabVIEW systems, LabVolt hydraulic and pneumatic equipment, Laboratory bioreactors e.g. Biostat-Sartorius and New Brunswick-Eppendorf).
Name and address of employer	University of Craiova, Faculty of Automation, Computers and Electronics, A.I. Cuza 13, 200585, Craiova, Romania
Education and training	
Dates	2010 - 2013
Occupation or position held	Post-doctoral studies in Systems engineering
Main activities and responsibilities	Bond graph methodology in modelling of bioprocesses
Name and address of employer	University of Craiova, Faculty of Automation, Computers and Electronics, A.I. Cuza 13, 200585, Craiova, Romania
National or international classification level	ISCED 6

Dates	2003 - 2009
Title of qualification awarded	PhD in Fundamental domain: Engineering, Specific domain: Control systems
Principal subjects/occupational skills covered	Disciplines in the field of Automation and Computers; Research projects in Control Systems; Research competencies in the specified field.
Name and type of organisation providing education and training	University of Craiova, Faculty of Automation, Computers and Electronics, A.I. Cuza 13, 200585, Craiova, Romania
Dates	2006 - 2008
Title of qualification awarded	MSc., Domain *European projects management*
Principal subjects/occupational skills covered	European economy, Project cycle management, Economic-juridical framework of European projects, Project financial management, Project quality management, Educational and research programmes of EU, etc.
Name and type of organisation providing education and training	University of Craiova, Faculty of Economics and Business Administration, A.I. Cuza 13, 200585, Craiova, Romania
National or international classification level	ISCED 6
Dates	2003 - 2005
Title of qualification awarded	MSc., Domain *Complex systems automation*
Principal subjects/occupational skills covered	Adaptive control systems, Robust systems, Nonlinear oscillations, Neural networks for control systems, Process parameter estimations algorithms, Fuzzy systems.
Name and type of organisation providing education and training	University of Craiova, Faculty of Automation, Computers and Electronics, A.I. Cuza 13, 200585, Craiova, Romania
National or international classification level	ISCED 6
Dates	1998 - 2003
Title of qualification awarded	BSc., Automation and industrial informatics
Principal subjects/occupational skills covered	Mathematics, Physics, Mechanics, Electronics, Programming, Control Systems, Modelling and simulation, Systems identification, Foreign languages, etc.
Name and type of organisation providing education and training	University of Craiova, Faculty of Automation, Computers and Electronics, A.I. Cuza 13, 200585, Craiova, Romania
National or international classification level	ISCED 5

Personal skills and competences

Mother tongue **Romanian**

Other languages

Self-assessment

European level (*)

	Understanding			Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production		
English	C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user
French	C2	Experienced user	C2	Experienced user	B2	Independent user	B2	Independent user	B2	Experienced user

(*) Common European Framework of Reference for Languages

Social skills and competences
Good communication skills;
Multi and intercultural work environment adaptability;
Team work abilities.

Organisational skills and competences	Experience in project management, as director or scientific coordinator and team member of research grants and projects. Member in the organizing committees of conferences: Int. Carpathian Control Conf. ICCC 2008, 2017, 8th IFAC Workshop on Time Delay Systems TDS 2009, 14th Int. Conf. on System Theory and Control ICSTC 2010, Int. Conference on System Theory, Control and Computing ICSTCC 2013, 2016.
Technical skills and competences	Reviewer (journals, conferences): IEEE Trans. on NanoBioscience, International Journal of Food Engineering, Biochemical Engineering Journal, Chemical Engineering Science, Journal of Process Control, Biotechnology Progress, Journal of Chemical Technology & Biotechnology, Mathematical Problems in Engineering, The Canadian Journal of Chemical Engineering, International Journal of Engineering Systems Modelling and Simulation, International Conference Clean Energy Solutions For Sustainable Environment 2012, Advancements in Renewable Energy And Clean Environment 2013, International Carpathian Control Conference ICCC 2008, 14th International Conference on System Theory and Control 2010, 17th International Conference on System Theory, Control and Computing ICSTCC 2013, Int. Carpathian Control Conference ICCC 2016 (IEEE Xplore), Int. Conf. on System Theory, Control and Computing ICSTCC 2016 (IEEE Xplore), Int. Carpathian Control Conference ICCC 2017 (IEEE Xplore, ISI Proc.), Int. Conf. on System Theory, Control and Computing ICSTCC 2017 (IEEE Xplore, ISI Proc.), Int. Carpathian Control Conference ICCC 2018 (IEEE Xplore, ISI Proc.), Int. Conf. on System Theory, Control and Computing ICSTCC 2018 (IEEE Xplore, ISI Proc.).
Computer skills and competences	Programming environments: Matlab/Simulink, LabView, 20sim, Multisim, BondSim, Mathcad, Microsoft Office etc.
Driving license	B category
Additional information	**Research projects** *Director / responsible:* 3 national research projects (UEFISCDI PNII–RU-PD, UEFISCDI PNIII–RU-TE, POC- SMIS 105736), 1 local advanced research project (University of Craiova). *Member* in the research teams of 19 national and 4 international research projects. *Member/expert* in 3 European Funds financed projects. **Publications** Monographs, manuals and chapters: 7. Papers in ISI WOS journals and proceedings: 60. Cumulated (IF) ISI Science Citation Index: over 90. **National and international visibility** Reviewer for 11 ISI journals and 7 ISI conferences. *Citations* – over 450. *9 national awards* for research results (PN II/III-RU-PRECISI). **Specializations** Marie Curie Scholarship, CNRS HEUDIASYC - UTC, Compiègne, France, 2005; Research stage, University of Padua, Vicenza branch, Italy, September 2009; Research stage, SUPELEC, Département d'Automatique, Gif-sur-Yvette, France, June 2010; Research stage, Technical University of Crete, Greece, July 2011; Research stage, University of Miskolc, Hungary, November 2016. **Memberships** IEEE (CSS - Control Systems Society). SRAIT (Romanian Society of Automatics & Technical Informatics), the IFAC NMO (International Federation of Automatic Control - National Member Organization). SRR (Romanian Robotics Society).
Annexes	List of papers.