Curriculum vitae Europass

Personal information

Surname / First name	**SELIŞTEANU, Dan**
Address	███████████████████████
Phones/Fax	███████████ , Mobile: ███████████ , Fax: ███████████
E-mail	██████████████o ; ██████████████
Webpages	Brain-map: https://www.brainmap.ro/dan-selisteanu
	ORCID: https://orcid.org/0000-0002-9770-405X
	Web of Science ResearcherID: https://publons.com/researcher/2273169/dan-selisteanu/
	Google Scholar: https://scholar.google.com/citations?user=XESJiq8AAAAJ&hl=ro&oi=ao
Nationality	Romanian
Date of birth	18.11.1964
Gender	M

Occupational field

Professor, Researcher

Work experience

Dates	10.10.1991 – present
Occupation or position held	Professor (01.10.2007 – present)
	Assoc. professor (01.10.2002 – 30.09.2007)
	Lecturer (01.03.1999 – 30.09.2002)
	Assist. professor (04.10.1993 – 28.02.1999)
	Instructor (10.10.1991 – 03.10.1993).
Main activities and responsibilities	Didactical activity (Lectures in: Control Engineering, Data Acquisition Systems, Bioengineering, etc.)
	Research activities
	Project and academic management
Name and address of employer	UNIVERSITY OF CRAIOVA
	A.I. Cuza no. 13, 200585, Craiova, Romania
Type of business or sector	Higher education and research:
	University of Craiova,
	Faculty of Automation, Computers and Electronics,
	Department of Automatic Control and Electronics

Dates	15.01.1991 – 09.10.1991
Occupation or position held	Engineer
Main activities and responsibilities	Service and field engineer – Computer Numerical Control for Machine Tools
Name and address of employer	ROMSERVICE Ltd.
	Bucharest, Romania
Type of business or sector	Industry

Dates	02.10.1989 – 14.01.1991
Occupation or position held	Engineer
Main activities and responsibilities	Service and field engineer – Computer Numerical Control for Machine Tools
Name and address of employer	IIRUC – COMPUTING TOOLS MAINTENANCE ENTERPRISE, XV Section
	Bucharest, Romania
Type of business or sector	Industry

Education and training

Dates	1992 – 1999
Title of qualification awarded	Ph.D. in 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 organization providing education and training	University of Craiova
Dates	1984-1989
Title of qualification awarded	B. Eng., specialization Automation and Computers
Principal subjects/occupational skills covered	Mathematics, Physics, Mechanics, Electronics, Computers, Programming, Control Systems, Automation, Economics, Foreign languages, etc.
Name and type of organization providing education and training	University of Craiova

Professional specializations and postdoctoral grants

Dates, Name and type of organization providing education and training	1990, *Training course*
	"Programming and mechanical and electric maintenance of YBM90 Unimeric CNC 723 Machine Tools with Computer Numerical Control"
	CSEPEL Szerszamgepayarto, Budapest, Hungary
Dates, Name and type of organization providing education and training	2005, *Postdoctoral research grant*
	"Synthèse des lois de commande non-linéaire. Télé-manipulation par Internet des systèmes automatisés"
	AUF – Agence Universitaire de la Francophonie
	CNRS Heudiasyc / Université de Technologie de Compiègne, France

Management positions

Vice-rector (Research and liaison with business environment), University of Craiova (2020-)

Dean, Faculty of Automation, Computers and Electronics (2016-2020)

Vice-dean (Education and research), Faculty of Automation, Computers and Electronics (2012-2016)

Member of the University of Craiova Senate (2012-2016, 2020-)

Member in the Administration Council of the University of Craiova (since 2016)

Member in the Scientific Research Council of the University of Craiova (2012-2016)

Member in the Council of Faculty of Automation, Computers and Electronics (2012-2020, 2020-)

Personal skills and competences

Mother tongue	**Romanian**

Other languages

Self-assessment

European level (*)

	Understanding			Speaking				Writing	
	Listening		Reading	Spoken interaction		Spoken production			
English Language	C1	Experienced user	C1	Experienced user	B2	Independent user	B2	Independent user	C1	Experienced user
French Language	C1	Experienced user	C1	Experienced user	B2	Independent user	B2	Independent user	B2	Independent user

(*) Common European Framework of Reference for Languages

Social skills and competences	Teamwork abilities (experience accumulated within the research grants and projects)
	Multi and inter-cultural work environment adaptability (experience accumulated in the frame of international mobility actions – research stages, fellowships, etc.)
	Communication skills and group communication abilities

Organizational skills and competences	**Experience / courses in higher education management and project management**

- Graduation of courses in the field of higher education management, in the frame of the project: "Capacity building of the Ministry of Education and Research to monitor and forecast the evolution of higher education in relation to employment", Romanian Academy, Ministry of National Education, SIPOCA 3, SMIS 2014+: 59947, February 2019

- Postgraduate project management and training courses (Specialization program for *Project managers*, MENCS, 2018; *Security Systems Engineering*, 2009-2010, MEC)

- Experience in project management, as director, responsible, as well as scientific coordinator or team member of research grants and projects at national and international level

- Experience as coordinator and expert in projects financed from European funds

Conference organization: Organizing committees' member or chair positions (selection)

- *International Conference on System Theory, Control & Computing ICSTCC* (2010-2020) [IEEE]

- *International Carpathian Control Conference – ICCC* (Sinaia, Romania, 2008; Zakopane, Poland, 2009; Eger, Hungary, 2010; Sinaia, Romania, 2017) [IEEE]

- *Int. Conf. Computational Collective Intelligence Technologies & Appl. ICCCI*, Romania, 2013 [IEEE]

- *System Theory Symposium SINTES*, Craiova (1996, 1998, 2000, 2003, 2005, 2007)

- *Réunion ECO-NET: Dynamique-Interconnexions-Environnement*, 2007, Nantes, France (ÉGIDE, CNRS)

- *8th IFAC Workshop on Time Delay Systems TDS'2009*, Sinaia, Romania [IFAC]

Technical skills and competences	**Expert evaluator - national and international programmes**

- International expert - Register of Scientific Experts, MIUR, Italy, since 2018:
  - Programma per Giovani Ricercatori "Rita Levi Montalcini" 2018, Period of review activity: 2019, 2020
  - PRIN: Progetti di Ricerca di Rilevante Interesse Nazionale 2017, Period of review activity: 2018

- International expert for the project Foresight Programme: "Advanced industrial and ecological technologies for the sustainable development of Poland", 2010

- Expert evaluator - CNCSIS (National University Research Council), since 2008. Recent activities:
  - PNCDI III, SP 1.1, Postdoctoral Research Projects (PD 2019), Call year: 2019, Period of review activity: 2019, 2020
  - PNCDI III, SP 1.1, Research Projects for Young Independent Teams (TE 2019), Call year: 2019, Period of review activity: 2019, 2020
  - PNCDI III, SP 2.1, Solutions, Call year: 2017, Period of review activity: 2018
  - PNCDI III, SP 1.1, Postdoctoral Research Projects (PD 2016), Call year: 2016, Period of review activity: 2017, 2018
  - PNCDI III, SP 1.1, Research Projects for Young Independent Teams (TE 2016), Call year: 2016, Period of review activity: 2017
  - Projects for Young Research Teams - RUTE -2014 call, Call year: 2014, Review activity: 2015
  - Projects for Young Research Teams - RUTE -2009 call, Call year: 2009, Review activity: 2010

Reviewer (selection)

Journals:
IEEE Trans. on Industrial Electronics, IEEE Trans. on Automation Science and Engineering, IEEE Access, Neural Computing & Applications, IET Control Theory & Applications, International J. of Adaptive Control & Signal Processing, Biochemical Engineering J., European J. Control, Computers & Chemical Eng., IMA J. of Mathematical Control & Information, etc.
[all indexed in ISI WoS – Clarivate Analytics]

Conferences:
IEEE/IFAC Int. Conference on Methods and Models in Automation & Robotics MMAR 2015-2019, Poland; IEEE Int. Symposium on Industrial Electronics ISIE 2008, Cambridge, UK; Int. Conference on Intelligent Computing ICIC 2008, Shanghai, China; IFAC World Congress, 2011, Italy; IFAC World Congress, 2017, France; American Control Conference 2012, Montreal, Canada; IFAC Int. Symposium on Advanced Control of Chemical Processes ADCHEM 2015, Whistler, Canada; European Control Conference ECC 2020, Russia, etc.

Computer skills and competences	*Programming languages and environments*:	MATLAB/Simulink, LabView, NI Multisim, 20sim, GeoMedia, ArcGIS, OrCAD, etc.
	Various computer applications:	Office, Graphics applications, Statistical calculation applications, etc.

Habilitation and PhD advisor

Habilitation

Habilitation Thesis: *Research and Achievements in Modelling and Control of Bioprocesses*, 2016 [CNATDCU - National Council for Titles, Diplomas and Certificates, Committee: Computers, Information Technology and Systems Engineering]

Minimal standards for Habilitation: fulfilled - approx. 3600 points out of 850 required [CNATDCU Committee: Computers, Information Technology and Systems Engineering]

PhD advisor: 8 PhD students in stage, 1 PhD thesis defended

Member in PhD / Habilitation Committees abroad

- PhD Thesis, Dr. Dory Merhy, *Contribution à l'estimation d'état par méthodes ensemblistes ellipsoïdales et zonotopiques*, CentraleSupélec, Université Paris-Sud, France, 2019
- Habilitation Thesis, Dr. Sihem Tebbani, Faculté des Sciences d'Orsay, Université Paris-Sud, 2016
- PhD Thesis, Dr. Helem S. Sanchez, *Multi-objective optimization and multicriteria design of PI /PID controller*, Universitat Autonoma de Barcelona - UAB, Spain, 2016
- PhD Thesis, Dr. Karen V. Gonzalez, *Modélisation et commande robuste des systèmes biologiques: exemple de la production d'acide lactique en fermenteur industriel*, Département d'Automatique, CentraleSupélec, France, 2015

Projects and grants

Summary

International research projects / grants:	5 (1 as director)
National research projects / grants:	more than 25 (4 as director)
Budget of the research projects:	over 500.000 Euro (as director)
European Funds projects / programs:	5 (1 as coordinator)
Educational projects (Erasmus, Leonardo da Vinci):	2

Contributions to the development of research and educational infrastructure

- Head of the research laboratory *Modelling, identification and control of biochemical & biotechnological processes MICBIO*, within INCESA – "Research Infrastructure in Applied Sciences", POSCCE contract, SMIS-CSNR 13845, no. 256/2010, 2011-2015 (manager prof. N. Bîzdoacă), INCESA total budget 12.400.000 Euro, MICBIO budget over 200.000 Euro (equipment)

- Board member of the *Multimedia platform for teaching, research and development of applications in mechatronics and automation*, CNCSIS Platforms/ laboratories of interdisciplinary research grant (manager prof. M. Ivănescu), 2006-2008, no. 4873/2006 (1.400.000 Euro for equipment acquisition)

- Contributions for the modernization and endowment of educational infrastructure and laboratories of the Faculty of Automation, Computers and Electronics via collaborations with the business environment (Hella Romania, Continental Automotive, QFort, NetRom Software, Caphyon, SintecMedia/Operative, SyncroSoft, etc.), over 200.000 Euro (2016-2020)

Research projects (selection)

TISIPRO Research and knowledge transfer in the field of information technologies and software instruments for industrial processes, POC Partnerships, SUIM P_40_416, national project, European funds [2016-2021, approx. budget 1.370.000 Euro, Technical/scientific coordinator]

ADCOSBIO Advanced control systems for bioprocesses in food industry, PNCDI II Partnerships, 211/2014, national project [2014-2017, approx. budget 270.000 Euro, Director]

Researches for the implementation of advanced maintenance system for automotive industry to increase the competitiveness level, Competitiveness Pole "Automotive South-West Oltenia", SMIS 50138, national project [2014-2015, approx. budget 160.000 Euro, Coordinator: control systems]

PACBIO Predictive and adaptive control of bioprocesses - Modelling, identification, control applications for interconnected bioprocesses, RO-FR-2012-1-0008, 701/2013, international bilateral project (France-Romania) [2013-2014, approx. budget 12.000 Euro, Director of Romanian partner]

ORTHO-eMAN A web-based e-training platform for Extended Human Motion Investigation in Orthopaedics, LLP-LdV/ToI/2011/RO/008, international project (Romania, Spain, Greece) [2011-2013, budget 348.101 Euro, Member]

Development of models and identification and control methods for biotechnological and biological systems, PNCD II IDEAS, ID 548, national project [2009-2011, approx. budget 105.000 Euro, Director]

Dynamique–Interconnexions–Environnement, ECO-NET, 12645SD Egide, international project (France, Czech Republic, Hungary, Romania) [2006-2007, budget 16.000 Euro, Principal investigator]

Additional information

Research interests | Control systems, Bioprocess modelling and control, Adaptive control, Intelligent control, Virtual instrumentation and data acquisition, Interactive teaching systems

Publications, awards, and memberships

Publications

- Monographs, manuals and chapters: 20
- Papers in ISI or IDB indexed journals: more than 40, from which 16 in Q1/Q2 quartiles of ISI WoS, cumulated Impact Factor (IF) ISI WoS: over 70
- Papers in conferences proceedings: more than 100
- Over 700 citations of the publications: h-index: 7 (ISI WoS), 9 (Scopus), 13 (Google Scholar)

Prizes / Awards

- *Man of Merit - Lodz University of Technology*, awarded by the Senate of Lodz University of Technology, Poland, „For merits to Lodz University of Technology", 2017
- Over *10 CNCSIS / UEFISCDI prizes* for research results (PN-II-RU-PRECISI)
- *4 Best Paper Awards*

Memberships

- Member of IFAC (International Federation of Automatic Control) Technical Committee TC 8.3. Modelling & Control of Environmental Systems (CC8 Bio- and Ecological Systems) since 2017
- AGIR (General Association of Engineers in Romania), since 2016
- KES International (Knowledge-Based and Intelligent Information & Engineering Systems), Society: Intelligent Systems, since 2011
- IEEE (Institute of Electrical and Electronics Engineers: CSS – Control Systems Society, RAS – Robotics and Automation Society), since 2004
- SRR (Romanian Robotics Society), since 1998
- SRAIT – IFAC-NMO (Romanian Society of Automatics and Technical Informatics), since 1991
- Scientific chancellor of Research Center *"Nonlinear automation. Stability & oscillations"* (CNCSIS 2006)

Mobility, lectures and stages

Visiting professor

- Institute of Automatic Control, Lodz University of Technology, Poland, March / June 2016, courses:
  Computer Simulation of Control Systems
  Fundamental Problems of Automatics

Erasmus lectures and stages (selection)

- Training Mobility, Comenius University in Bratislava, Department of Informatics Education, Slovak Republic, August 2017 (Prof. Zuzana Kubincová)
- Erasmus+ workshop, project Playful Coding - Learn2Code and Code2Learn (Spain, Italy, France, UK, Romania), Girona, Spain, May 2016 (Prof. Xavier Cufi)
- Teaching Mobility, *Virtual instrumentation. Educational applications for signal generation and digital signal processing*, University of Miskolc, Department of Automation and Info-communication, Hungary, October 2015 (Prof. József Vásárhelyi)

International specializations and stages (selection)

- Ecole Supérieure d'Electricité (SUPELEC), Département d'Automatique, Gif-sur-Yvette, France (June 2010, PREDICT grant)
- University of Padua - Vicenza branch, Italy (September 2009, Research grant)
- SUPELEC, Laboratoire des Signaux et Systèmes – CNRS, Gif-sur-Yvette, France (November 2006, Research grant, ECONET)
- Ecole Supérieure d'Ingénieurs en Electronique et Electrotechnique - ESIEE Noisy Le Grand, Paris, France (April-May 2002, Research grant)
- Vienna University of Technology - TUW, Austria, (March 2002, Research grant)
- University of Padua, Italy (2000, Research grant)
- Royal Institute of Technology - KTH Stockholm, Sweden (1998, TEMPUS grant)
- Université Libre de Bruxelles - ULB, Belgium (1994, TEMPUS)

Editorial activity	**Member in Editorial Boards**

Complexity (Academic Editor), Wiley & Hindawi [ISI - Clarivate Analytics, IF=2.591], since 2018

Acta Polytechnica Hungarica (Associate Editor) [ISI - Clarivate Analytics, IF=1.286], since 2020

International Journal of Artificial Intelligence (Editor) [Scopus], since 2017

Intelligent Industrial Systems, Springer, 2015-2017

Journal of Environmental Management and Tourism [Scopus], since 2010

Annals of the University of Craiova, Series: Automation, Computers, Electronics and Mechatronics (Associate Editor-in-chief), since 2015

Chair or co-chair of special sessions (selection)

„Modelling, Estimation and Control of Biotechnological Processes", 17th Int. Conf. on System Theory, Control and Computing ICSTCC 2013, Sinaia, Romania

„Intelligent Techniques for Modelling, Identification and Control of Bioprocesses", 3rd Int. Conference on Intelligent Decision Technologies KES-IDT 2011, Piraeus, Greece

„Sliding Mode Control", *13th IEEE/IFAC Int. Conference on Methods and Models in Automation and Robotics MMAR 2007*, Szczecin, Poland

„Sliding Mode Control", *12th IEEE Int. Conference on Methods and Models in Automation and Robotics MMAR 2006*, Miedzyzdroje, Poland

IPC Conference Member (selection)

EAEEIE Conference on Innovation in Education for Electrical & Information Engineering 2007, 2012-2014; International Carpathian Control Conference 2011-2013, 2015-2020; IEEE International Symposium on Applied Computational Intelligence & Informatics SACI 2011-2019; 3rd International Conference on Intelligent Decision Technologies 2011; IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2012, 2014, 2016, 2018, 2020; International Conference on System Theory, Control and Computing ICSTCC 2012-2020.

International collaborations (research & educational projects, papers)	Prof. Andrzej BARTOSZEWICZ, Director of the Institute of Automatic Control, Lodz University of Technology, Corresponding member of the Polish Academy of Sciences, POLAND

Prof. Velislava LYUBENOVA, Institute of Robotics, Bulgarian Academy of Sciences, Sofia, BULGARIA

Prof. Paolo MERCORELLI, Control and Drive Systems Unit, Institute of Product and Process Innovation, Leuphana University of Lüneburg, GERMANY

Prof. Silviu-Iulian NICULESCU, Directeur de recherche CNRS, Laboratory of Signals and Systems, CentraleSupélec, Paris-Saclay University, FRANCE

Prof. Sorin OLARU, CNRS Laboratory of Signals and Systems, CentraleSupélec, Paris-Saclay University, FRANCE

Prof. Sihem TEBBANI, CNRS Laboratory of Signals and Systems, CentraleSupélec, Paris-Saclay University, FRANCE

Prof. József VÁSÁRHELYI, Institute of Automation and Info-communication, University of Miskolc, HUNGARY

Prof. Ramon VILANOVA i ARBOS, Department of Telecommunication and Systems Engineering, Autonomous University of Barcelona, SPAIN

Prof. Elena ZATTONI, Department of Electrical, Electronic and Information Engineering "G. Marconi" and Collegio Superiore, Alma Mater Studiorum Università di Bologna, ITALY

Prof. Dan Selișteanu, PhD