



Europass curriculum vitae

Personal information

Surname(s) / First name(s) **Anghelescu Petre**
 Address(es) Targu din vale, No. 1, 110040, Pitesti, Arges, Romania
 Telephone(s) Office: +40 348 453217
 E-mail(s) petre.anghelescu@upb.ro
 Nationality(-ies) Romanian
 Date of birth 16.06.1977
 Gender Male

Occupational field **Professional engineering/University - teaching and scientific research**

Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>February 2023 – present</p> <p>Full Professor</p> <p>Teaching of graduate and postgraduated courses (Cryptography and Information Security, Parallel and distributed algorithms, Graphics processing systems, Artificial Intelligence) and Scientific research in area of interest (artificial intelligence, mainly on bio-inspired systems—cellular automata, self-adaptation, self-organizational systems, and reconfigurable computing).</p> <p>National University of Science and Technology POLITEHNICA Bucharest – Pitesti University Centre, Faculty of Electronics, Communications and Computers, Department of Electronics and Computers, Targu din vale, No. 1, 110040, Pitesti, Arges, Romania</p> <p>Education and research, State university</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>June 2022 – June 2024</p> <p>Director - Experimental demonstrative project</p> <p>PN-III-P2-2.1-PED-2021-3669, CRYPTONET, 520547 lei</p> <p>The project objective is to develop experimental hardware and software platforms designed to ensure the protection by encryption of information transmitted in telecommunication networks. The research topic aims at the creation/practical realization, testing and functional validation, in laboratory conditions, of the cryptographic system demonstrator.</p> <p>University of Pitesti, Targu din vale, No. 1, 110040, Pitesti, Arges, Romania</p> <p>Research</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>October 2013 – February 2023</p> <p>Associate Professor</p> <p>Teaching of graduate and postgraduated courses (Cryptography and Information Security, Artificial Intelligence, Graphics processing systems, Parallel and distributed algorithms, Data structures) and Scientific research in area of interest (artificial intelligence, mainly on bio-inspired systems—cellular automata, self-adaptation, self-organizational systems, and reconfigurable computing).</p> <p>University of Pitesti, Faculty of Electronics, Communications and Computers, Department of Electronics and Computers, Targu din vale, No. 1, 110040, Pitesti, Arges, Romania</p> <p>Education and research, State university</p>
<p>Dates</p> <p>Occupation or position held</p>	<p>October 2009 – October 2013</p> <p>Phd. Lecturer</p>

Main activities and responsibilities	Teaching of graduate and postgraduated courses (Basics of Artificial Intelligence, Graphics processing systems, Parallel and distributed algorithms, Data structures, Computer graphics) and scientific research .
Name and address of employer	University of Pitesti, Faculty of Electronics, Communications and Computers, Department of Electronics and Computers, Targu din vale, No. 1, 110040, Pitesti, Arges, Romania
Type of business or sector	Education and research, State university
Dates	August 2010 – July 2012
Occupation or position held	Post-Doctoral Researcher
Main activities and responsibilities	Developing algorithms based on cellular automata theory for the protection of information stored or transmitted in network systems. The research focuses on methods of computational and artificial intelligence, mainly on bio-inspired systems—cellular automata, self-adaptation, self-organizational systems, and reconfigurable computing.
Name and address of employer	University of Pitesti, Targu din vale, No. 1, 110040, Pitesti, Arges, Romania
Type of business or sector	Research
Dates	February 2006 – October 2009
Occupation or position held	University Assistant
Main activities and responsibilities	Teaching of graduate and postgraduated courses (Data structures and algorithms, Basics of Artificial Intelligence, Parallel and distributed algorithms, Computer graphics) and scientific research activity in area of interest (artificial intelligence, mainly on bio-inspired systems—cellular automata, self-adaptation, self-organizational systems, cryptography and reconfigurable computing).
Name and address of employer	University of Pitesti, Faculty of Electronics, Communications and Computers, Targu din vale, No. 1, 110040, Pitesti, Arges, Romania
Type of business or sector	Education and research, State university
Dates	January 2007 – December 2007
Occupation or position held	Researcher
Main activities and responsibilities	Research project financed by the Romanian Ministry of Education, Research and Innovation, CNCIS code: TD 365, No. 35GR/23.05.2007.
Name and address of employer	University of Pitesti, Targu din vale, No. 1, 110040, Pitesti, Arges, Romania
Type of business or sector	Research
Dates	February 2003 – February 2006
Occupation or position held	University Preparatory
Main activities and responsibilities	Teaching of graduate and postgraduate courses, Scientific research activity in area of interest
Name and address of employer	University of Pitesti, Faculty of Electronics, Communications and Computers, Targu din vale, No. 1, 110040, Pitesti, Arges, Romania
Type of business or sector	Education and research, State university
Dates	July 2002 – February 2003
Occupation or position held	Engineer
Main activities and responsibilities	Research in area of Microsystems and Software applications focused on Traffic Control – electronic charged (SUPERTAX 101-FA).
Name and address of employer	S.C. Trion Company, Pitesti
Type of business or sector	Research
Education and training	
Dates	From March 2018
Title of qualification awarded	Habilitation in Electronics engineering, telecommunications and information technologies
Principal subjects/Occupational skills covered	Cryptographic techniques based on cellular automata used for secure data storage and transmission in telecommunication networks
Name and type of organization providing education and training	University of Pitesti

Dates **26 June 2011 – 17 July 2011**
 Title of qualification awarded Graduation Certificate of the summer school: "A New Kind of Science"
<http://www.wolframscience.com/summerschool/2011/alumni/anghelescu.html>
 Principal subjects/Occupational skills covered Complex systems and artificial intelligence, cellular automata /
 Theory, modeling and simulation of complex systems using Mathematica
 Name and type of organization providing education and training Wolfram|Alpha and Wolfram Research, Curry College, Boston, MA, USA

Dates **01 December 2003 – 07 December 2007**
 Title of qualification awarded PhD degree in Engineering Science
 Principal subjects/Occupational skills covered The projection and the analysis of the cellular automata for processing of information
 Name and type of organization providing education and training University of Pitesti

Dates **October 2002 – June 2004**
 Title of qualification awarded MEng degree in Intelligent Communication Systems
 Principal subjects/Occupational skills covered Intelligent communication systems
 Name and type of organization providing education and training University of Pitesti

Dates **October 2000 – June 2001**
 Title of qualification awarded Graduation certificate
 Principal subjects/Occupational skills covered Courses for Computers Programming and English /
 PC Programming & English
 Name and type of organization providing education and training Culture House, Pitesti

Dates **October 1997 – June 2002**
 Title of qualification awarded BSc. degree Engineer
 Principal subjects/Occupational skills covered Electronics, Communications and Computers
 Name and type of organization providing education and training University of Pitesti, Faculty of Electronics, Communications and Computers

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level ()*

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Good	Good	Good	Good	Good

() Common European Framework of Reference (CEF) level*

Organizational skills and competences

Experience acquired in industry, research and academics. Research projects coordination. A number of grants funded by Govern and private companies were coordinated in the latest five years.

Computer skills and competences

Computer programming and engineering simulative environments (C#, C++, Mathematica, Matlab (Fuzzy logic, Neural network, Simulink), MPI, Mathematica, OpenGL).

Additional Information

- Diploma „**Best paper award**” received for the paper presented at the 45th International Semiconductor Conference, CAS 2022.
- Diploma „**Best paper award**” received for the paper presented at the 30th International

Semiconductor Conference, CAS 2007.

- Certificate of **merit for young researchers** from the University of Pitesti, March 2009, for the best scientific paper published in 2008 in the FECC.
- **Diploma of Excellence** awarded at the International Salon of Inventions, Pro Invent Cluj Napoca, for patent named „System with programmable translating radio-rely for IR remote control”, OSIM No.: 126719 B1, 19 – 22 March 2013.
- **Patent:** „System with programmable translating radio-rely for IR remote control”, OSIM request no: 126719A0 from 28.10.2010 (*work registered in the National Work Register administered by the Romanian Copyright Office*), nr. 126719 B1, 30 Oct. 2017, WOS – Derwent Primary Accession Number: 2011-Q12640.
- **Member of the following conferences program committee:** International Conference for Internet Technology and Secured Transactions (ICITST) - <http://www.icitst.org/>, International Conference on Telecommunications and Signal Processing (TSP) - <http://tsp.vutbr.cz/>, International Conference on Technical and Physical Problems of Electrical Engineering (ICTPE) - <http://www.ictpe.com/ictpe.html>, Electronics, Computers and Artificial Intelligence, ECAI - <http://www.ecai.upit.ro/>, International Conference on Advanced Technologies for Communications (ATC) – <http://rev-conf.org/>, The Advanced International Conference on Telecommunications – <http://www.iaia.org/>, International Conference on Signal Processing and Integrated Networks (SPIN) – <http://amity.edu/>.
- **Reviewer for the following ISI journals:** *Information sciences; Transactions on Emerging Telecommunications Technologies; Journal of Computational Engineering; Journal of Entropy; Journal of Systems and Software; Transactions on Modeling and Computer Simulation, Journal of Nonlinear Dynamics and Chaos in Engineering Systems.*
- **Member in scientific programme committees and reviewer for the following conferences:** *Conference on Telecommunications and Signal Processing (TSP); International Conference on Signal Processing and Integrated Networks; Conference on Electronic & Mechanical Engineering and Information Technology; ECAI - Electronics, Computers and Artificial Intelligence International Conference; International Conference for Internet Technology and Secured Transactions (ICITST), SPIN, ATC, etc.*
- **Chief Editor** at *Journal of Electrical Engineering, Electronics, Control and Computer Science (JEECCS)* – <http://jeeccs.net/>.
- **Expert evaluator** for **Czech Science Foundation** – 2012, 2014 and 2016.
- **Expert evaluator** for **UEFISCDI** – projects type **Solutions**.
- **Presentations:**
 - Researcher ID Number: C-1542-2014
<https://www.webofscience.com/wos/author/record/134613>
 - ORCID ID: <https://orcid.org/0000-0003-3879-0995>
 - Scopus Author ID: 24179015700
<https://www.scopus.com/authid/detail.uri?authorId=24179015700>
 - Google Scholar: <https://scholar.google.ro/citations?user=cZPrLUcAAAAJ&hl=ro>
 - BrainMap: <https://www.brainmap.ro/petre-anghelescu>
 - BrainMap: <https://www.brainmap.ro/petre-anghelescu>
 - Crescdi: <https://crescdi.pub.ro/#/profile/673003>

Driving license(s)

Category B

Annex

List of representative works.