Europass Curriculum Vitae

Personal information	
First name(s) / Surname(s)	**Emil SIMION**
Address(es)	
Telephone(s)	
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E-mail	emil.simion@upb.ro; emil_simion@hotmail.com
Nationality	Romanian
Work experience	
Dates	2024-oct-present
Occupation or position held	Cybersecurity Expert
Main activities and responsibilities	Research activities in cybersecurity
Name and address of employer	**SAFETECH INNOVATIONS S.A**., 12-14 Frunzei Street, Floors 1-3, District 2, 021533, Bucharest, Romania
Type of business or sector	Cybersecurity
Dates	2024(April)- 2025 (June)
Occupation or position held	Advisor of Director
Main activities and responsibilities	Research activities in cyber security
Name and address of employer	**NATIONAL CYBERSECURITY DIRECTORATE**, Strada Italiană nr. 22, Sector 2, Cod poștal 020976, București
Type of business or sector	Central administration
Dates	2022- present
Occupation or position held	Researcher
Main activities and responsibilities	Research activities in applied mathematics and cyber security
Name and address of employer	**BlueSpace TECHNOLOGY S.A**.– Ilfov, Bragadiru, st. Alexandriei, no. 82
Type of business or sector	Research and Development
Dates	1993-1994, 2000-2004, 2009-present
Occupation or position held	Preparator universitar / Teaching assistant (1993–1994); Lector asociat / Associate lecturer (2000–2004 and 2009–2012); Șef de lucrări, titular / Lecturer, tenured (2013–2021); Conferențiar universitar / Associate professor (2021–present)
Main activities and responsibilities	▪ Teaching courses on cryptography, probability and statistics, operational research, computer and networks security;

	▪ Conducting research activities on cryptographic algorithms and protocols, digital signatures and security evaluation; ▪ Coordinate "Coding Theory and Information Storage" master program (http://dep2.mathem.pub.ro/education_ro.html); ▪ Member of the administration board of the Faculty of Applied Sciences; ▪ Member of the of the coordination board of the Department of Mathematical Models and Methods.
Name and address of employer	**UNIVERSITY POLITEHNICA OF BUCHAREST**, Splaiul Independentei nr. 313, sector 6, Bucuresti, Romania.
Type of business or sector	Education
Dates	2016-present
Occupation or position held	Associate professor
Main activities and responsibilities	Teaching courses on techniques and methods in cryptanalysis, advanced topics in cryptanalysis and security of e-commerce
Name and address of employer	**"Alexandru Ioan Cuza" UNIVERSITY OF IASI**, Bulevardul Carol I, Nr.11, 700506, Iaşi, România
Type of business or sector	Education
Dates	2012 - 2016
Occupation or position held	Associate professor
Main activities and responsibilities	▪ Teaching courses at Master 2, "Expertise Economique & Juridique des Systèmes d'Information" (www.eejsi.org). ▪ Member of the coordination board of master "Expertise Economique & Juridique des Systèmes d'Information"
Name and address of employer	**UNIVERSITÉ PANTHÉON ASSAS** - 12 place Panthéon 75005 PARIS, France
Type of business or sector	Education
Dates	2007 - 2009
Occupation or position held	Associate researcher
Main activities and responsibilities	Research activities (www.imar.ro)
Name and address of employer	**INSTITUTE OF MATHEMATICS "SIMION STOILOW" OF THE ROMANIAN ACADEMY**, 21 Calea Grivitei Street, 010702 Bucharest, Romania
Type of business or sector	Research
Dates	2006 -present
Occupation or position held	Associate professor
Main activities and responsibilities	Teaching courses at "Information Technology Security" master program (http://www.mta.ro/masterat/masterinfosec/index.html).
Name and address of employer	**MILITARY TECHNICAL ACADEMY**, 39-49 George Cosbuc, 050141, Bucharest, Romania
Type of business or sector	Education
Dates	2001 – 2002, 2008-2020

Occupation or position held	Associate professor
Main activities and responsibilities	Teaching courses on cryptography (www.fmi.unibuc.ro).
Name and address of employer	**UNIVERSITY OF BUCHAREST,** Faculty of Mathematics and Computer Science, Bd. M. Kogălniceanu 36-46, Sector 5, 050107, Romania.
Type of business or sector	Education

Dates	1994 – 2020
Occupation or position held	1994 – 2014 feb, 2014 july – 2014 dec, researcher at **ADVANCED TECHNOLOGY INSTITUTE** - Bucharest**.** 2014 feb – july**,** deputy director at Advanced Technology Institute - Bucharest**.** 2015- 2020 **ROMANIAN INTELLIGENCE SERVICE**, IT&C Expert
Main activities and responsibilities	Research activities in applied mathematics
Name and address of employer	Advanced Technology Institute, Dinu Vintila no. 10, sector 1, Bucharest, Romania
Type of business or sector	Research & Development

Education and training

Dates	2018
Title of qualification awarded	Postuniversitar studies
Principal subjects/occupational skills covered	Psychopedagogical training of trainers
Name and type of organization providing education and training	**NATIONAL ACADEMY OF INTELLIGENCE**

Dates	1996 - 2000
Title of qualification awarded	PhD in Mathematics
Principal subjects/occupational skills covered	Mathematics Doctoral thesis: *Statistical-Informational techniques in diagnosis of cipher systems*
Name and type of organization providing education and training	**UNIVERSITY OF BUCHAREST**

Dates	1994 - 1995
Title of qualification awarded	M.Sc. in Mathematics
Principal subjects/occupational skills covered	Mathematics Master dissertation: *Bent sequences used in spread spectrum systems*

Name and type of organization providing education and training	**UNIVERSITY OF BUCHAREST**
Dates	1989 - 1994
Title of qualification awarded	Graduate in Mathematics
Principal subjects/occupational skills covered	Mathematics Gradation thesis: *Majority logic decoding of binary cyclic codes*
Name and type of organization providing education and training	**UNIVERSITY OF BUCHAREST**

Additional information

Publications and research activities:

- 4 books, 3 edited volumes, 6 book chapters
- 33 journal papers, 60 conference papers
- 18 international/national research projects, of which: **1 as project director** (MERISD3C-QKD – Transmission-reception modules for QKD systems, PN-IV-P7-7.1-PTE-2024-0735 / contract 63PTE/2025, BlueSpace Technology, 2025–2027) and **1 as partner team leader** (PN-II-PT-PCCA-2013-4-1651, Advanced Technology Institute, 2014–2016)

Reviewer:

- Scientific Bulletin of University „Politehnica" of Bucharest, Series A (ISI, impact factor 0.3).
- Romanian Cyber Security Journal, ISSN 2668-1730, https://rocys.ici.ro/.
- International Conference on Security for Information Technology and Communication (2010-2026).
- International Conference on Electronics Computers and Artificial Intelligence (2009, 2011, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020).
- 2012 Third International Conference on Emerging Intelligent Data and Web Technologies (EIDWT 2012).
- Computer Information Systems and Industrial Management11-th IFIPTC 8 International Conference, CISIM 2012 Venice, Italy, September 26-28, 2012.
- The 14th International Conference on Cryptology and Network Security (CANS 2015) 8-12 December 2015, Morocco, Marrakesh.
- IEEE ACCESS.

Editor:

- Proc. of the 6-th International Conference on Security for Information Technology and Communication, Bucharest, june 2013, ISSN 2285-1798.
- Proc. of the 7-th International Conference on Security for Information Technology and Communication, Bucharest, june 2014, ISSN 2285-1798.
- Proc. of the 8-th International Conference on Security for Information Technology and Communication, Bucharest, june 2015, ISSN 2285-1798.
- Innovative Security Solutions for Information Technology and Communications, 8th International Conference, SECITC 2015, Bucharest, Romania, June 11-12, 2015, Revised Selected Papers, Springer Verlag, ISBN 978-3-319-27179-8.
- Innovative Security Solutions for Information Technology and Communications, 10th International Conference, SECITC 2017, Bucharest, Romania, June 8-9, 2017, Revised Selected Papers, Springer Verlag, ISBN 978-3-319-69283-8.

- Innovative Security Solutions for Information Technology and Communications, 10th International Conference, SECITC 2017, Bucharest, Romania, November 14-15, 2019, Revised Selected Papers, Springer Verlag, ISBN 978-3-030-41025-4.

Conference program committee:

- International Conference on Security for Information Technology and Communication (2013-2026); in 2015 and 2017-PC chair.
- International Conference on Electronics Computers and Artificial Intelligence (2009, 2011, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020).
- The 14th International Conference on Cryptology and Network Security (CANS 2015) 8-12 December 2015, Morocco, Marrakesh.
- First Workshop on Innovative Techniques, Diversity & Connectivity, 14 nov 2019.
- Second Workshop on Innovative Techniques, Diversity & Connectivity, may 2020.
- Third Workshop on Innovative Techniques, Diversity & Connectivity, 19 nov 2020.

Membership of professional organizations:

- Romanian Society of Mathematical Sciences (since 1998)
- International Association of Cryptographic Research (since 1998)
- Romanian Society of Probability and Mathematical Statistics (since 1998)
- Foundation member of Romanian Association of Cryptography and Protection of Information (1997)
- Executive Agency for Higher Education Research Development and Innovation Funding – UEFISCDI (2013-prezent) - evaluator
- Patriot Fest- evaluator (2017, 2018)
- Association of Interdisciplinary Mathematics "TRAIAN LALESCU", Vicepresident (2022-present)
- Associate Expert at EURO-ATLANTIC RESILIENCE CENTER (2024-present)
- Cloud Security Alliance RO, cybersecurity expert (2026-present)
- Member of the Advisory Council of the Ministry of Research, Development and Innovation (position filled by competition, 2022-2025)
- Language skills: Ib. English (FILS level B certificate)

Computer skills: Experience in cybersecurity audit.
In-depth knowledge of EN 301549, WCAG 2.2 (and current versions), ISO/IEC 40500, EU Directive 2016/2102, and OUG 112/2018. Accessibility analysis instruments: WAVE (Web Accessibility Evaluation Tool), Axe, Lighthouse, NVDA (NonVisual Desktop Access), JAWS (Job Access With Speech)
RENAR technical expert for ISO17025, ISO17043, ISO15189 (since 2023).

Annexes **List of Publications and Research Projects**

1 octombrie 2026