



# Curriculum Vitae

## Răzvan-Victor RUGHINIȘ

### Personal information

Name	Răzvan Victor Rughiniș
Mobile	
E-mail	<a href="mailto:razvan.rughinis@upb.ro">razvan.rughinis@upb.ro</a>
Web:	<a href="https://systems.cs.pub.ro/people/razvan.rughinis/">https://systems.cs.pub.ro/people/razvan.rughinis/</a> <a href="https://cs.pub.ro/index.php/people/userprofile/razvan_rughinis">https://cs.pub.ro/index.php/people/userprofile/razvan_rughinis</a>
Nationality	Romanian

### (a) Education

2019 – 2021	Master Studies in Philosophy University of Bucharest
2015	Master program “Applied Ethics in Society, Business and Organizations” Habilitation in Computer Science PhD studies coordinator, Faculty of Automatic Control and Computers, University Politehnica of Bucharest
2010 – 2013	Postdoctoral studies in the EXCEL program – Excellence in research through postdoctoral programs in priority domains of knowledge-based society, University Politehnica of Bucharest <ul style="list-style-type: none"> <li>- Postdoctoral study diploma</li> <li>- ISCED 8</li> </ul>
2000 – 2005	Doctoral studies at Department of Computer Science, University Politehnica of Bucharest PhD Thesis in Computer Science: “Complex Computer Networks”, 2005 <ul style="list-style-type: none"> <li>- Degree: Doctor in Computer Science</li> <li>- ISCED 8</li> </ul>
1999 – 2000	Master Studies in Computer Systems Architecture, University Politehnica of Bucharest <ul style="list-style-type: none"> <li>- Degree: Master in Computer Science, 2000</li> <li>- ISCED 7</li> </ul>
1994 – 1999	Department of Computer Science, University Politehnica of Bucharest <ul style="list-style-type: none"> <li>- Degree: Engineer, 1999</li> <li>- ISCED 6</li> </ul>
1990 – 1994	High-school “Al. I. Cuza”, Bucharest, profile Mathematics and Physics <ul style="list-style-type: none"> <li>- Baccalaureate diploma</li> <li>- ISCED 4</li> </ul>

### Other training

2002, Feb. – July	Doctoral research grant at National University of Singapore <ul style="list-style-type: none"> <li>- Non-degree</li> </ul>
2001, June – July	Summer School, Central England University, Birmingham, United Kingdom

- Non-degree

## (b) Professional experience

### Current

2016 – present	Deputy Dean <ul style="list-style-type: none"> <li>- Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania <a href="https://systems.cs.pub.ro/">https://systems.cs.pub.ro/</a></li> </ul>
2014 – present	Professor <ul style="list-style-type: none"> <li>- Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania <a href="https://systems.cs.pub.ro/">https://systems.cs.pub.ro/</a></li> </ul>
2023 – present	Invited Professor <ul style="list-style-type: none"> <li>- Faculty of Military Management, The “Nicolae Bălcescu” Land Forces Military Academy, Sibiu, Romania</li> </ul>
2023 – present	Invited Professor <ul style="list-style-type: none"> <li>- Faculty of Political Studies, University of Bucharest</li> </ul>
2013 – present	President of Tech Lounge Association

### Past

Jul. – Aug. 2024	Expert for DATASEA <ul style="list-style-type: none"> <li>- Technical University of Moldova and the World Bank</li> </ul>
2017 – 2022	Invited Professor <ul style="list-style-type: none"> <li>- SNSPA - National School of Political and Administrative Studies</li> </ul>
2013 – 2022	Coordinator of the Innovation Labs pre-acceleration program for tech startups <ul style="list-style-type: none"> <li>- Tech Lounge Association, Splaiul Independentei 313, Bucharest 060042, Romania <a href="http://tech-lounge.ro">http://tech-lounge.ro</a></li> </ul>
2008 – 2014	Associate Professor <ul style="list-style-type: none"> <li>- Department of Computer Science, University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania</li> </ul>
2011 – 2013	Coordinator for the ITC area of training activities in CONCORD – The National Network for Continuous Training of Teachers in K12 Professional and Technical Education <ul style="list-style-type: none"> <li>- University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania</li> </ul>
2012 – 2013	National Expert for „Internet în școala ta. Conectarea la Internet broadband a unităților școlare din mediul rural și mic urban” <ul style="list-style-type: none"> <li>- Ministry of Education, Research, Youth, and Sports</li> </ul>
2002 – 2012	Executive Director, Cisco Academy Training Center <ul style="list-style-type: none"> <li>- CATC Romania, University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania</li> </ul>

2009 – 2011	Methodological coordinator in the project CATIIS – Doctoral program at interregional and transnational levels for excellence in Computer Science, IT, and System Engineering studies <ul style="list-style-type: none"> <li>- University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania</li> </ul>
2005 – 2007, 2009 – 2010	Trainer in Advanced Networking Issues <ul style="list-style-type: none"> <li>- IXIA, Str. Stirbei Voda nr. 36, Bucharest, Romania</li> </ul>
2005 – 2008	Lecturer, Department of Computer Science <ul style="list-style-type: none"> <li>- Department of Computer Science, University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania</li> </ul>
2000 – 2007	System Administrator <ul style="list-style-type: none"> <li>- OAO RoEduNet, Splaiul Independentei 313 R506-R507, Bucharest, Romania</li> </ul>
2003 – 2005	Teaching Assistant, Department of Computer Science <ul style="list-style-type: none"> <li>- Department of Computer Science, University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania</li> </ul>
1999 – 2002	Instructor, Cisco Academy Training Center <ul style="list-style-type: none"> <li>- CATC Romania, University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania</li> </ul>
1999 – 2003	Junior Teaching Assistant (ro. Preparator universitar) <ul style="list-style-type: none"> <li>- Department of Computer Science, University Politehnica of Bucharest, Splaiul Independentei 313, Bucharest 060042, Romania</li> </ul>

### (c) Projects and grants

#### Project director:

International grants	<b>Innovation Labs - Sustainable Nation-Wide Infrastructure for Academic-Centric Technical Innovation</b> <ul style="list-style-type: none"> <li>- Financing: Romanian-American Foundation</li> <li>- Duration: 3 years (2016-2018)</li> <li>- Amount: 440.000 USD</li> </ul> <b>Innovation Labs - Sustainable Infrastructure for Academic-Centric Technical Innovation</b> <ul style="list-style-type: none"> <li>- Financing: Romanian-American Foundation</li> <li>- Duration: 1 year (2015)</li> <li>- Amount: 40.000 USD</li> </ul> <b>Google CS4HS R&amp;D Grant - Development and assessment of Python and Robotics Technical Skills, 2013 (Project director)</b> <ul style="list-style-type: none"> <li>- Financing: Google R&amp;D Grants</li> <li>- Duration: 1 year (2013 – 2014)</li> <li>- Amount: 10.000 USD</li> </ul> <b>Innovation Labs R&amp;D Grant, 2013 (Project director)</b> <ul style="list-style-type: none"> <li>- Financing: Microsoft Grants</li> <li>- Duration: 1 year (2013 – 2014)</li> <li>- Amount: 50.000 USD</li> </ul>
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## National grants

### **Google CS4HS R&D Grant – Innovative Collaborative Learning for Programming Skills through Python, 2014 (Project director)**

- Financing: Google R&D Grants
- Duration: 1 year (2014 – 2015)
- Amount: 10.000 USD

### **Soluții 25 System for scanning and mapping IP resources in Romania with the aim of early cyberthreat detection (Director on behalf of UPB)**

- Financing: PNIV (13.000.000 RON from PNVI + other sources)
- Duration: 2 years (2024-2026)
- Amount: 16.387.779,48 RON

### **OPTIMIZE – Soluție Inovativă de Optimizare a Productivității Utilizatorilor prin Monitorizarea Multi-Modala a Activității și a Profilelor, Cod SMIS/ID: 121491 (Responsabil UBP)**

- Financing: POC
  - Duration: 2 years (2021-2023)
- Amount: 28.234.885,37 RON

### **YGGDRASIL – Sistem Automat pentru Detectarea Timpurie a Vulnerabilităților Cibernetică**

- Financing: PTE UEFISCDI
- Duration: 21 months (2020-2022)
- Amount: 1.200.000 RON

### **SeeloT Setting the trends in IoT education**

- Financing: ANPCDEFP, grant 2016-1-RO01-KA203-024721
- Duration: 2 years (2016-2018)
- Amount: 235.422 EUR

### **Adopția și Impactul tehnologiilor video Inovative în Serviciile publice de educație și administrație locală” – IRIS, PN-II-PT-PCCA- 2013-4-1802 (“Adoption and impact of innovative video technologies in public services for education and local administration” - IRIS, Project coordinator for UPB)**

- Financing: “Partnership” Program – 2013 Competition, UEFISCDI
- Duration: 2 years (2014-2016)
- Amount: 210.415 RON

### **Rețea virtuală pentru instruirea la distanță, INFOSOC (“Virtual network for distance learning”, INFOSOC, Project coordinator for UPB), 2004-2006**

- Financing: INFOSOC contract nr. 153-2004
- Duration: 2 years (2004 – 2006)
- Amount: 170.000 RON

## **Member in Research Project Teams:**

2009-2011	High-Performance Multi-Core GRID Resource Center Supporting Research, Technological Development and European-level Scientific Innovation (ro. Centru de resurse GRID multi-corE de înaltă performanță pentru suportul cercetării, dezvoltării tehnologice și inovării științifice pe plan European)
2005-2007	EUNCIT - NCIT leading to EU ISY excellency, FP6 INCO-CT-2005-017101 ( <a href="https://euncit.hpc.pub.ro/index.php">https://euncit.hpc.pub.ro/index.php</a> )
2005-2007	Distributed Monitoring of Grid Middleware and Applications in the National Grid Infrastructure (MON-I), INFOSOC
2005-2007	Distributed Monitoring of Resources in the National Grid Infrastructure (MON-R), RELANSIN
2005-2007	Strategy for Research and Technological Development in Information and Communication Technology for Integration in the European Research Area, CERES

2004-2006	IComGrid – Pilot Communication Infrastructure for Grid, RELANSIN
2004-2006	AeroLink – High Performance Network for Aeronautics research, INFOSOC
2004-2006	Developing a National Information and Dissemination Network for Work Security, INFOSOC
2002-2003	Developing a Core for High Performance Computing Based on Grid Technologies and Applications, INFOSOC
2002-2003	Technical Specifications for Metropolitan Backbone Network, ORIZONT
2002-2003	Analysis of Global Development for Grid Architectures and Elaboration of a National Grid Strategy, ORIZONT
2000-2002	Center for Permanent Learning in Management, Development, Quality Assurance and Marketing for Software Products, CNFIS

#### (d) Professional prestige and visibility

Awards	<ul style="list-style-type: none"> <li>- Member of The Academy of Romanian Scientists since April 2020</li> <li>- "Outstanding paper award", An Efficient Privacy-Preserving System for Monitoring Mobile Users: Making Searchable Encryption Practical, Gabriel Ghinita and Razvan Rughinis, CODASPY 2014, <a href="http://codaspy.utsa.edu/2014/index.html">http://codaspy.utsa.edu/2014/index.html</a></li> <li>- "Best paper award", Reliable Authentication and Anti-replay Security Protocol for Wireless Sensor Networks, Laura Gheorghe, Răzvan Rughiniș, Răzvan Deaconescu, Nicolae Țăpuș, <a href="http://www.iaria.org/conferences2010/AwardsSERVICECOMPUTATION10.html">http://www.iaria.org/conferences2010/AwardsSERVICECOMPUTATION10.html</a></li> <li>- "Best paper award", Deaconescu, Răzvan, Rughiniș, Răzvan, Țăpuș, Nicolae, <a href="http://www.iaria.org/conferences2009/AwardsICNS09.html">http://www.iaria.org/conferences2009/AwardsICNS09.html</a></li> <li>- Marele Premiu al Cisco Networking Academy (alături de prof. Nicolae Țăpuș, Ana Lucia Vărbănescu și Emil Cebuc), 2004</li> </ul>
Invited talks / lectures	<ol style="list-style-type: none"> <li>1. Member of the ANIS Awards Jury - Employers' Association of the Software and Services Industry, 2016 – present</li> <li>2. Lecturer at the panel „The challenges of the digital sector in a changing world”, Romanian Digital Day, Parlamentul European, Bruxelles, 18 March 2025</li> <li>3. Lecturer at the panel “Where cyber-education begins?”, Moldova Cybersecurity Forum, Chisinău, 9 February 2024</li> <li>4. Evaluator in the Fulbright program, 2023</li> <li>5. Lecturer at the panel "The digital skills for the future" at the Romanian Digital Day, European Parliament, Brussels, 14 November 2023 Lecturer in the panel "Adaptation and evolution in the digital era" at the Conference of the Chamber of Public Notaries, Bucharest, 27 October 2023</li> <li>6. Speaker at the panel "Digital society - masters, servants or slaves?", Bucharest Science Festival, Bucharest, 30 September 2023</li> <li>7. Member of the scientific committee of the Smart Diaspora 2023 conference, UEFISCDI, Timisoara, in the panels "The world in the deep tech era: the role of Big Data and Artificial Intelligence in addressing societal challenges" (organizer) and "The role of technology transfer in the development of the research, innovation and entrepreneurship ecosystem" (lecturer)</li> <li>8. Participant at the National Cyber Security Directorate Roundtable, SNSPA, Bucharest, 11 October 2023</li> <li>9. Lecturer in the panel "Education in cybersecurity" at the Cyber-Resilience Forum 2023 conference, Romanian Energy Center, 10 May 2023</li> <li>10. Lecturer in the panel "Entrepreneurship education and its impact on students' innovation", ROStartup Conference, 14 April 2022</li> </ol>

Chair and member in  
Program Committee  
for scientific events

11. Lecturer at the panel "Building tech valleys in Europe, Romanian Digital Day, European Parliament, Brussels, 11 October 2022
  12. Lecturer in the panel "Cybersecurity in the education and instruction processes: an integrated perspective of the public, private, and academia stakeholders" at the "Bucharest Cybersecurity Conference", 27-28 October 2022, National Cyber Security Directorate (DNSC), Bucharest, Romania.
  13. Lecturer in the Digitization panel at the "Bucharest Summit: Cooperation for Development", organized by MediaUno Press Group and the National Institute of Statistics, 29 May 2021.
  14. Participant in the panel Sustainability and innovation in the Romanian entrepreneurial ecosystem - exploratory study at the Innovation Café, UEFISCDI, 31 March 2021
  15. Speaker at the panel "Personal data in the social media era", Bucharest Science Festival, Bucharest, 29 September 2018.
  16. Lecturer at IDC Security Roadshow 2018, 14 June 2018
  17. Lecturer with presentation "Challenges in critical infrastructure protection", Critical Infrastructure Protection Forum - CIP Forum 2017.
  18. Moderator of the panel "Supporting the cybersecurity industry: best practices, public-private partnerships and ways forward" at the CERTCON7 conference, DNSC.ro, 30 October 2017.
  19. Lecturer with presentation "Security Challenges in Complex Information Systems", Aspen Institute, Cyber Defense Within the Context of the New NATO Strategic Concept, Bucharest, 2010
  20. Rughiniş, R., "Supporting innovation and entrepreneurship through university education" – Invited talk at Aspen Institute, Romania 2020 Agenda: Competitiveness for Development and Convergence Policy Meeting, Bucureşti, 2010
  21. Rughiniş, R., "Comunitatea OS şi comunitatea universitară" – Invited talk at ROSDEV – Romanian Open Source Development 2009 conference
  22. Rughiniş, R., "Open Source in Mediul Academic" – Invited talk at ROSDEV – Romanian Open Source Development 2008 conference
  23. Ecole Supérieure d'Informatique (<http://www.esiea.fr/>), Electronique, Automatique, Paris, 2009
  24. Hogeschool van Amsterdam (<http://www.hva.nl>), 2008
  25. University of Indianapolis, Atena (<http://www.uindy.gr/>) 2008
  26. Istanbul Technical University (<http://www.itu.edu.tr/en/>), 2007
  27. Helsinki Metropolia University of Applied Sciences (<http://www.metropolia.fi/>) 2007
- Co-Editor of the Special Issue "Applying Contextual Intelligence in IoT Networking", Electronics, 2021
  - Member in the Editorial Council of the Romanian Cyber-Security Journal
  - Co-Chair Secure Internet of Things -SIoT- ESORICS 2014
  - Co-Chair Secure Internet of Things – SIoT- CSCS 2013
  - Co-Chair Secure Internet of Things – SIoT- INCoS 2012
  - Co-Chair Design and Spontaneity in Computer Supported Collaborative Learning DS-CSSL- CSCS 2021, 2019, 2017, 2015, 2013
  - Member in program committee CSEDU 2014, 2015, 2016, 2017
  - Member in program committee DiGRA-FDG 2016
  - Member in program committee – SIoT - ESORICS 2015
  - Member in program committee Open Badges in Education – OBIE-ICWL 2014
  - Member in program committee WorldCIST 2014
  - Member in program committee CISTI 2014
- Peer review for scientific journals
- Wireless Sensor Network (WSN)
  - Journal of Control Engineering and Applied Informatics

Member of evaluation and accreditation committees	- UPB Scientific Bulletin, Series C
	Peer review for other programs
	- Evaluator for OpenAxel startup competition, 2014
Member of evaluation and accreditation committees	ARACIS Evaluator

#### (e) Personal competences and skills

**Maternal language:** Romanian

**Foreign languages:** English (excellent), French (good), German (beginner)

**Social and organizational skills:** Abilities of public speaking, team work and team management, project management, event organization, public relations with partners in academic and commercial organizations

#### Certifications

2011	<b>Certified Cisco Networking Academy Instructor Trainer</b>
2010	<b>CCSP (Cisco Certified Security Professional)</b>
2010	CANAC (Implementing Cisco NAC Appliance)
2010	IPS (Implementing Cisco Intrusion Prevention System)
2009	SNPA (Securing Networks with PIX and ASA)
2008	Cisco Certified Information Security Specialist, INFOSEC 4011, SND
2007	SNRS (Securing Networks with Cisco Routers and Switches)
2004	<b>CCNP (Cisco Certified Networking Professional)</b>
2004	CIT (Cisco Internetwork Troubleshooting)
2003	BCMSN (Building Cisco Multilayer Switched Networks)
2003	BSCI (Building Scalable Cisco Internetworks)
2002	BCRAN (Building Cisco Remote Access Networks)
2001	CCAI (Cisco Certified Academy Instructor)
2001	CCNA (Cisco Certified Networking Associate)
	<b>Other certifications:</b>
	- Fortinet Certified Network Security Professional – FCNSP
	- Fortinet Certified Network Security Administrator – FCNSA
	- Network Team Leader – ACM 2004 - 2016

#### Membership in Professional Associations:

- The Edge Institute, Bucharest (board member)
- CCEA – Center of Research in Applied Ethics, Faculty of Philosophy, University of Bucharest (member)
- IEEE - Institute of Electrical and Electronics Engineers
- IEEE Technical Committee on Security & Privacy
- IEEE Computer Society
- ACM - Association for Computing Machinery
- INSTICC - Institute for Systems and Technologies of Information, Control and Communication
- ROSEdu – Romanian Open Source Education (founding member)

## LIST OF PUBLICATIONS

## SELECTED PUBLICATIONS

1. R. Rughiniș, C. Rughiniș, and E. Bran (2024). Generative AI and Social Engines of Hate, in *Regulating Hate Speech Created by Generative AI*, edited by Jay Liebowitz, Taylor and Francis, ISBN 9781032644349.
2. Bran, E., Rughiniș, R., Țurcanu, D., & Radovici, A. (2024). AI Leads, Cybersecurity Follows: Unveiling Research Priorities in Sustainable Development Goal-Relevant Technologies across Nations. *Sustainability*, 16(20), 8886. IF = 3.3
3. Bran, E., Rughiniș, R., Țurcanu, D., & Nadoleanu, G. (2024). Technical Innovations and Social Implications: Mapping Global Research Focus in AI, Blockchain, Cybersecurity, and Privacy. *Computers*, 13(10), 254. IF = 2.6
4. Pălăcean, A. V., Trancă, D. C., Rughiniș, R. V., & Rosner, D. (2024). Smart Internet of Things Power Meter for Industrial and Domestic Applications. *Applied Sciences*, 14(17), 7621. IF = 2.5
5. Bran, E., Rughiniș, R., Țurcanu, D., & Stăiculescu, A. R. (2024). Decoding National Innovation Capacities: A Comparative Analysis of Publication Patterns in Cybersecurity, Privacy, and Blockchain. *Applied Sciences*, 14(16), 7086. IF = 2.5
6. Rughiniș, R., Bran, E., Stăiculescu, A. R., & Radovici, A. (2024). From Cybercrime to Digital Balance: How Human Development Shapes Digital Risk Cultures. *Information*, 15(1), 50. IF = 3.1
7. Obreja, D. M., Rughiniș, R., & Rosner, D. (2024). Mapping the conceptual structure of innovation in artificial intelligence research: A bibliometric analysis and systematic literature review. *Journal of Innovation & Knowledge*, 9(1), 100465. IF = 18.1
8. D. M. Obreja, Rughiniș, R., & Rosner, D. (2023). Examining distrust of science and scientists: A study on ideology and scientific literacy in the European Union. *Current Sociology*, 00113921231211582. IF = 2.0
9. D. Rosner, D. Iorga, F. Oprea, C. Pătru, & R. Rughiniș (2023). A conceptual framework for profiling engagement strategies used in high school engineering outreach activities. *European Journal of Engineering Education*, 48(6), 1269-1290. IF = 2.3
10. S. D. Ciocîrlan, R. Ebru, R. Rughiniș, & M. Vrejoiu (2023). Empirical analysis of IEEE 754 and Posit in statistical methods. *Control Engineering and Applied Informatics*, 25(1), 59-68. IF = 0.9
11. Staniloiu, E., Epure, R.S., Deaconescu, R., Nitu, R. și Rughiniș, R. (2023). Scalable Concolic Execution Of Cots Binaries With The River Framework. *UPB Scientific Bulletin Series C. Vol. 82 (2)*, pp. 79-94. IF = 0.3
12. I. Culic, A. Vochescu, R. Rughiniș (2023). An Analysis Of Software Deployment Security For Internet Of Things Devices. *UPB Scientific Bulletin Series C. Vol. 82 (2)*, pp. 3-14. IF = 0.3
13. S. D. Ciocîrlan, R. G. Soare, N. Țăpuș, E. Resul, R. Rughiniș (2023). Analysis of scientific computing algorithms under different number representation systems. *UPB Scientific Bulletin Series C. Vol. 82 (1)*, pp. 29-40. IF = 0.3
14. G.C. Pătru, A.I. Pârvan, D. Rosner, R. Rughiniș (2023). Fiducial Marker Systems Overview And Empirical Analysis Of Aruco, Apriltag And Ctag. *UPB Scientific Bulletin Series C. Vol. 85 (2)*, pp. 49-62. IF = 0.3
15. S.D. Ciocîrlan, T.A. Neacs, R. Rughiniș (2023). Empirical Analysis Of IEEE 754, Fixed-Point And Posit In Low Precision Machine Learning *UPB Scientific Bulletin Series C. Vol. 85 (3)*, pp. 13-24. IF = 0.3
16. Rughinis, C., Dima, M., Vulpe, S. N., Rughinis, R., & Vasile, S. (2023). Patterns of protection, infection, and detection: Country-level effectiveness of COVID 19 vaccination in reducing mortality worldwide. *Public Health in Practice* 6. arXiv preprint arXiv:2207.12367.
17. R. Rughiniș, Stăpâni, servitori sau cetățeni în societatea digitală. Accepted for publication at Humanitas Publishing House, Bucharest, 2022.
18. O. Grigorescu, A. Nica, M. Dascălu, R. Rughiniș, CVE2ATT&CK: BERT-Based Mapping of CVEs to MITRE ATT&CK Techniques. *Algorithms*, vol. 15, no. 9, nr. 314, 2022; WOS:000858120500001
19. L. M. Neagu, E. Rigaud, V. Guarnieri, E. I. Radu, S. Travadel, M. Dascălu, R. Rughiniș, OntoStrength: an ontology for psychomotor strength development. *Interaction Design and Architectures*, vol. 52, 101-118, 2022; WOS:000817993900007
20. I. M. Stan, Ș. D. Ciocîrlan, R. Rughiniș. Understanding the Opportunities of Applying Kubernetes Scheduling Capabilities in High Performance Computing. In *UPB Scientific Bulletin Series C – Electrical Engineering and Computer Science*, vol. 84, no. 4, 31-40, 2022.



21. C. E. Stăniloiu, R. G. Nițu, A. R. Deaconescu, R. Rughiniș, A New Collections Framework for the {D} Programming Language Standard Library. In UPB Scientific Bulletin Series C – Electrical Engineering and Computer Science vol. 84, no. 3, 95-106, 2022.
22. C. Sandescu, Dinișor, A., Vlădescu, C.-V., Grigorescu, O., Corlătescu, D., Dascălu, M., Rughiniș, R., Extracting Exploits and Attack Vectors from Cybersecurity News Using NLP, UPB Scientific Bulletin Series C, vol. 84, no.2, 2022, 63-78.
23. F.-A. Stancu, Mircea, A.-A., Rughiniș, R., Chiroiu, M., Systematization of Trusted I/O Solutions for Isolated Execution Environments, UPB Scientific Bulletin Series C, vol. 84, no.2, 2022, 3-14.
24. R. Nițu, E. Stăniloiu, R. Deaconescu, R. Rughiniș, Designing Copy Construction for the D Programming Language. In UPB Scientific Bulletin Series C – Electrical Engineering and Computer Science vol. 84, no. 4, 3-14, 2022
25. A. Hosszu, Rughiniș C, Rughiniș R, Rosner D. Webcams and Social Interaction During Online Classes: Identity Work, Presentation of Self, and Well-Being. *Frontiers in Psychology*. 2022;12.
26. R. Nițu, E. Stăniloiu, R. Deaconescu, R. Rughiniș, Adding Support for Reference Counting in the D Programming Language, in Proceedings of the 17th International Conference on Software Technologies, ICSoft 2022, Lisbon, Portugal, July 11-13, 2022 (pp. 299-306). SCITEPRESS
27. F. Rastoceanu; R. Rughiniș; S.-D.Ciocîrlan; M. Enache, Sensor-Based Entropy Source Analysis and Validation for Use in IoT Environments. *Electronics* 2021, 10, 1173. <https://doi.org/10.3390/electronics10101173>
28. R. Rughiniș & C. Rughiniș. Reading with a touch of gameplay. Gamified e books' convergence with classical literary worlds. In Susanne Robra-Bissantz, Christoph Lattemann, Stefan and Rüdiger Zarnekow (Eds.), *Gamification: Using game elements in Serious Contexts*, pp. 139-152. Heidelberg: Springer, 2017
29. R. Rughiniș & Ș. Matei. A Delayed Badge is a Worthy Badge: Designing Digital Badge Architectures Based on Academic Delay of Gratification. Chapter accepted for publication in L. Y. Muilenburg & Z. L. Berge (Eds.), *Digital badges in education: Trends, issues, and cases*. New York: Routledge, 2016.
30. R. Rughiniș and S. Matei, Badge Architectures as Tools for Sense-Making and Motivation in Engineering Education, *International Journal of Engineering Pedagogy (iJEP)*, vol. 5, no. 4. pp. 55–63, 2015.
31. C. Rughiniș, R. Rughiniș, and Ș. Matei, A touching app voice. Thinking about ethics of persuasive technology through an analysis of mobile smoking-cessation apps, *Ethics of Information Technology*, vol. 17, no. 4, pp. 295–309, Jan. 2016.
32. C. Rughiniș, R. Rughiniș and B. Humă. Impromptu Crowd Science and the Mystery of the Bechdel-Wallace Test Movement. Accepted at ACM CHI'16, alt.chi panel, San Jose, 7-12 May 2016.
33. R. Rughiniș and Ștefania Matei, "Play to Remember: The Rhetoric of Time in Memorial Video Games," in *Human-Computer Interaction: Interaction Technologies Volume 9170 of the series Lecture Notes in Computer Science*, 2015, pp. 628–639.
34. C. Rughiniș and R. Rughiniș, "Consider the Moon. Human-Computer Bricolage of Extended Objects," in *ACM CHI'15, alt.chi panel*, 2015, pp. 413–423.
35. C. Rughiniș, R. Rughiniș, Nothing ventured, nothing gained. Profiles of online activity, cyber-crime exposure, and security measures of end-users in the European Union, *Computers & Security*, 43:111-125, 2014
36. G. Ghiniță, R. Rughiniș, An Efficient Privacy-Preserving System for Monitoring Mobile Users: Making Searchable Encryption Practical, *CODASPY'14*, pp. 321-332
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