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18. **E. Simion,** *Cyber Resilience Assessment and Certification: from Standards to Practice in the Context of NIS2, CSA & CRA*, SMART DIASPORA 2025, Workshop Securitatea cibernetică în contextul provocărilor geopolitice actuale, https://diaspora-stiintifica.ro/documents/Wks2025/Program_wk_14.pdf, Cluj 4-6 noiembrie 2025.
19. **E. Simion**, *Bridging the Gaps: Cyber Resilience Assessment and Certification: from Standards to Practice in the Context of NIS2, CSA & CRA*, https://isimconference.eu/index.php/keynote-speakers, Bucharest, ISIM & ISWIM 2025.
20. **E. Simion,** *Machine Learning Algorithms in Cybersecurity***,** Wokshop 3: Artificial Intelligence in Cybersecurity: Opportunities and Challenges, CyberAgent Project, https://www.cyberagents.eu/news/a55ad5bd-2fea-4e01-ba72-199c2a3feea6

# 12 RESEARCH PROJECTS

| No. | Project Information | Value | Function | Period |
|---|---|---|---|---|
| 1 | *,,Technological proof for electronic identity cards management based on multi-application smart cards - SMCID"*, National Program of Research and Development, inter - ministerial group for research in the security field SP2.<br>http://web.rosa.ro/Securitate/Lista%20Proiecte%20finantate_rezerva.htm<br>Project code S177.<br>Coordinator of project: UTI SYSTEMS S.A. | 47.000 EURO | team member (ATI) | 2006-2007 |
| 2 | *,,Video surveillance system with encrypted communication - SVDCrypt",* National Program of Research and Development, inter- ministerial group for research in the security field SP2.<br>http://web.rosa.ro/Securitate/Lista%20Proiecte%20finantate_rezerva.htm<br>Project code S170.<br>Coordinator of project: UTI SYSTEMS S.A. | 60.000 EURO | team member (ATI) | 2006-2007 |
| 3 | *,,Interpretation of the content of video images from the security structures - SICIS"*, National Program of Research and Development, inter-ministerial group for research in the security field SP3.<br>http://web.rosa.ro/Securitate/Lista%20Proiecte%20finantate_rezerva.htm<br>Project code S169.<br>Coordinator of project: UTI SYSTEMS S.A. | 60.000 EURO | team member (ATI) | 2006-2007 |
| 4 | *,Biometric system for the acquisition and verification of the dynamic signatures", national program* PN2.<br>Project AMCSIT code 1166/2007.<br>http://rd.softwin.ro/bioacs/UserInterface/Forms/Partnership.aspx?Proiect=BIOACS<br>Coordonator of project: SOFTWIN GRUP | 860.000 EURO | team member (IMAR) | 2007-2009 |
| 5 | *,,Online training and evaluation system student-centered at bachelor and master fundamental disciplines of technical higher education",*<br>POSDRU project ID 62485<br>Coordinator of project: University Politehnica of Bucharest | | team member (UPB) | march-june 2013 |
| 6 | Sistem Național de Protecție a Infrastructurilor IT&C de Interes Național împotriva Amenințărilor Provenite din Spațiul Cibernetic, încadrat în Axa Prioritară III „Tehnologia Informației și Comunicațiilor pentru sectoarele privat și public", Domeniul Major de Intervenție 2 „Dezvoltarea și creșterea eficienței serviciilor publice electronice", Operațiunea 2 „Implementarea de sisteme TIC în scopul creșterii interoperabilității sistemelor informatice". | Proiect european | Echipa de management | 2013 |
| 7 | *,,Practical Escrow-free Identity-based Mutual ,,Authentication and Key Management without Pairings",*<br>PN-II-PT-PCCA-2013-4-1651.<br>http://thor.info.uaic.ro/~ibmake/<br>Coordinator of project: University "Al. Cuza" Iasi | 284.000 EURO | Partener team leader (ATI) | july 2014-november 2017 |
| 8 | Imbunatatirea Sistemului Național de Protecție a Infrastructurilor IT&C de Interes Național împotriva Amenințărilor Provenite din Spațiul Cibernetic, încadrat în Axa Prioritară III „Tehnologia Informației și Comunicațiilor pentru sectoarele privat și public", Domeniul Major de Intervenție 2 „Dezvoltarea și creșterea eficienței serviciilor publice | Proiect european | Echipa de management | 2019-2020 |

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|---|---|---|---|---|
| | electronice", Operațiunea 2 „Implementarea de sisteme TIC în scopul creșterii interoperabilității sistemelor informatice". | | | |
| 9 | *,,Promoting Deep And Wide Thinking/Early Dual Degrees In Basic Sciences",* ERASMUS+, acronym (ThinkBS) 2019-1-TR01-KA 203-077194 | | UPB | 2019-2021 |
| 10 | *,,Attracting Students' Interest In Mathematics And Improving Their Skills, Comprehension And Performance With The Use Of A Virtual Reality Educational Platform",* ERASMUS+, acronim (MATHESIS), grant agreement: 2020-1-RO01-KA201-080410 | | UPB | 2021- |
| 11 | *DEVELOPMENT AND IMPLEMENTATION OF FPE TYPE (presearving encryption format)*<br>*Contract nr. 1/15.03.2021,*<br>*Coordinator of project:* Center for Research and Training in Innovative Techniques of Applied Mathematics in Engineering, University Politehnica of Bucharest | 50000 RON | UPB | 2021 |
| 12 | *Romanian National Quantum Communication* Infrastructure, University "Politehnica" Bucharest (ontest.ro) | | UPB, security expert | 2023-2025 |
| 13 | *Unifying & Upgrading Certification Capabilities Across Europe Trustboost,,*<br>*Coordinator of project:* NATIONAL STANDARDS AUTHORITY OF IRELAND<br>National<br>Partener: SAFETECH INNOVATIONS SA<br>https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43152860/101158687/DIGITAL | | Safetech Inovation SA, Cybersecuriy expert | 2025-2028 |
| 14 | *SOL-2024 - 26 - Detection and protection system of the IDS/IPS type for critical communication infrastructures with early alert and blocking capabilities for DDoS attacks*<br>*Project Coordinator: Bucharest University of Science and Technology*<br>*https://uefiscdi.gov.ro/sol-2023-sistem-de-detectie-si-protectie-tip-ids-ips-a-infrastructurilor-critice-de-comunicatii-cu-capabilitati-de-alerta-si-blo* | | UNSTB Expert | 2024-2026 |
| 15 | *SMEs Cyber Security Change Agents-CYBER AGENT, ERASMUS-EDU-2022-PI-ALL-INNO, nr. Proiect 101111732*<br>*Coordonator:* Liceul Tehnologic Grigore C. Moisil, Buzau | | Expert voluntar | 2024-2026 |
| 16 | *National Platform for Semiconductor Technologies*<br>*Programului „Creștere Inteligentă, Digitalizare și Instrumente Financiare 2021-2027"*<br>*Număr înregistrare electronică/Cod SMIS: 304244*<br>*Perioada de derulare: 27.11.2024-26.11.202*<br>*Institutia coordonatoare: INSTITUTUL NATIONAL DE CERCETARE- DEZVOLTARE PENTRU MICROTEHNOLOGIE - IMT BUCURESTI INCD*<br>*Partener: BlueSpace Technology* | | BlueSpace Expert | 2024-2029 |
| 17 | *Transmission-reception modules for integration into quantum cryptographic key distribution systems (QKD-Quantum KeyDistribution)*<br>*Coordonator: BlueSpace Technology* | 1. 500.000 lei | Director | 2025-2027 |

**28 septembrie 2026**