

List of the Scientific Publications

Associate Professor Petrică CIOTIRNAE Ph.D.

A. The Ph.D. Thesis

- T1.** *"Communications on chaotic carrier. Applications in Romanian Military Communications System"*, at Military Technical Academy, in Electronics, Communications and Information Technologies, Diploma Series C, No. 0008728, coordinated by Professor Alexandru Șerbănescu, March 2004.

B. Specialized Books

- B1.** **P. Ciotîrnae**, C.I. Rîncu and A. Digulescu-Popescu, *"Broadband Switching and Transport Systems"*, Military Technical Academy Publisher, **2017**, ISBN 978-973-640-266-1, CIP 2017-17146, 110 p.
- B2.** **P. Ciotîrnae**, R.D. Raicu and D.E. Brînaru, *"Digital Optical Fiber Communication Systems"*, Military Technical Academy Publisher, **2017**, ISBN 978-973-640-271-5, CIP 2017-16629, 114 p.
- B3.** **P. Ciotîrnae**, *"Digital Switching and Multiplexing Systems"*, Military Technical Academy Publisher, **2009**, ISBN 978-973-640-171-8, CIP 2009-8126, 188 p.
- B4.** C. Bălan, A. Șerbănescu, **P. Ciotîrnae** and C.I. Rîncu, *"Methods, techniques and technologies in communications. Applications"*, Military Technical Academy Publisher, **2007**, ISBN 978-973-640-132-9, 286 p.
- B5.** G. Savu and **P. Ciotîrnae**, *"Telephony Switching and Multiplexing Systems. Seminars"*, Military Technical Academy Publisher, **2017**, ISBN 978-973-640-267-8, CIP 2017-17145, 144 p.
- B6.** L. Tuță and **P. Ciotîrnae**, *"Switching and Multiplexing Systems. Laboratory Guidance"*, Military Technical Academy Publisher, **2017**, ISBN 978-973-640-272-2, CIP 2017-16630, 60 p.

C. Scientific Profile Visibility

- L1.** Web of Science: <https://www.webofscience.com/wos/author/record/HMV-9117-2023>
- L2.** ORCID: <https://orcid.org/0000-0002-2871-3227>
- L3.** ACM Digital Library: <https://dl.acm.org/profile/81372593377>
- L4.** Brain Map: <https://www.brainmap.ro/public-profile-82889349>
- L5.** Google Scholar: <https://scholar.google.ro/citations?user=52jOEZMAAAJ&hl=en>
- L6.** Research Gate: <https://www.researchgate.net/profile/Petrica-Ciotirnae>

D. Journal Scientific Papers

- ISI 1.** P. Ciotirnae, C. Dumitrescu, I.C. Chiva, A. Semenescu, E.C. Popovici and D. Dranga, "Method for Noise Reduction by Averaging the Filtering Results on Circular Displacements Using Wavelet Transform and Local Binary Pattern", *Electronics* **2024**, 13, 4119, **18.10.2024**, <https://doi.org/10.3390/electronics13204119>
Q2, IF=2,60, <https://www.mdpi.com/2079-9292/13/20/4119>
WoS:001341510600001
- ISI 2.** C. Dumitrescu, P. Ciotirnae, C. Vizitiu, "Fuzzy Logic for Intelligent Control System Using Soft Computing Applications", *Sensors* **2021**, 21, 2617. <https://doi.org/10.3390/s21082617>, ISSN: 14248220, <https://www.mdpi.com/1424-8220/21/8/2617>
Q2, IF=3,847 in 2021, IF=3,5 in 2025, WoS:000644809100001
- ISI 3.** C. Leca, I. Nicolaescu, and P. Ciotirnae, "Crowdsensing Influences and Error Sources in Urban Outdoor Wi-Fi Fingerprinting Positioning", *Sensors* **2020**, 20, 427. ISSN 14248220; CODEN: SENS9, **2020**
<https://doi.org/10.3390/s20020427>, <https://www.mdpi.com/1424-8220/20/2/427>
Q2, IF=3,576 in 2020, IF=3,5 in 2025, WoS:000517790100101
- ISI 4.** C. Dumitrescu, M. Minea and P. Ciotirnae, "UAV Detection Employing Sensor Data Fusion and Artificial Intelligence", © Springer Nature Switzerland AG **2020**, L. Borzemski et al. (Eds.): ISAT 2019, AISC 1050, pp. 129–139, 2020, International Conference on Information Systems Architecture and Technology, Poland, **2020**, ISBN: 9783030304393, ISSN: 21945365 21945357, <http://www.isat.pwr.edu.pl/>, https://doi.org/10.1007/978-3-030-30440-9_13
WoS:000564746100013
- ISI 5.** R. Luca, P. Ciotirnae, F. Popescu, "Influence of the QoS Measured for VoIP Traffic in a Congested Network", *International Journal of Computers Communications & Control (IJCCC)*, ISSN 1841-9836, 11(3):322-321, June **2016**, <http://univagora.ro/jour/index.php/ijccc/article/view/2558/1004>, DOI: 10.15837/ijccc.2016.3.2558
Q2 cu IF=1,374 in 2016, Q3 cu IF=1,9 in 2025, WoS:000373296600008

E. Conference Scientific Papers

- ISI 6.** P. Ciotirnae, "5G Mobile Network with Blockchain, IoT and Drones Integration for Military Applications," **2024** IEEE International Workshop on Technologies for Defence and Security (TechDefense), Naples, Italy, **11-13.11.2024**, pp. 104-109, DOI: <https://doi.org/10.1109/TechDefense63521.2024.10863401>
<https://ieeexplore.ieee.org/abstract/document/10863401>
WoS:001490855200019
- ISI 7.** M-A. Sachian, G. Suciu, M. Niculae, A.F. Păun, P. Ciotirnae, H. Ivan, C. Tudor and R. Florescu, "Multimodal Security Mechanisms for Critical Time Systems using Blockchain in CHRISS Project", *ARES 2024*, July 30–August 02, **2024**, Vienna, <https://www.ares-conference.eu/>, *ACM Digital Library*, <https://doi.org/10.1145/3664476.3669927>
WoS:001283894700058
- ISI 8.** F. Enache, V. Greu, P. Ciotirnae and F. Popescu, "Model and Algorithms for Optimizing a Human Computing System Oriented to Knowledge Extraction by Use of Crowdsourcing", *13th International Conference on Communications (COMM)*, 297-302, DOI: <https://doi.org/10.1109/COMM48946.2020.9141972>, **2020**
WoS:000612723900052
- ISI 9.** A. Idiță, L. Tuță, G. Roșu, P. Ciotirnae and O. Baltag, "Indoor Assessment of Screening Efficiency through Absorption and Reflection", *11th International Symposium on Advanced Topics in Electrical Engineering (ATEE)* **2019**, ISBN: 9781479975143, <https://doi.org/10.1109/atee.2019.8725003>, <https://ieeexplore.ieee.org/document/8725003>
WoS:000475904500158
- ISI 10.** L.D. Murariu and P. Ciotirnae, "Performance Evaluation of the VoIP Networks Using Tunnelling Techniques", *11th International Conference on Electronics, Computers and Artificial Intelligence ECAI* **2019**, June 27–29, **2019**, DOI: 10.1109/ecai46879.2019.9042008, Vol. 11, No. 1/2019 ISSN 1843-2115, ISBN 978-1-7281-1624-2
<https://ieeexplore.ieee.org/document/9042008/>
WoS:000569985400053

- ISI 11.** I.M. Radu, **P. Ciotîrnae** and F. Popescu, "*Integrating Software Defined Networks with Traditional Hardware Networks*," 2018 International Conference on Communications (COMM), 2018, pp. 309-312, DOI: 10.1109/ICComm.2018.8484755, **2018**
WoS:000449526000058
- ISI 12.** V. Greu, **P. Ciotîrnae**, L. Tuță and F. G. Popescu, "*Human and Artificial Intelligence Driven Incentive-Operation Model and Algorithms for a Multi-Purpose Integrated Crowdsensing-Crowdsourcing Scalable System*," 2018 Conference on Communications (COMM), 2018, pp. 213-218, DOI: 10.1109/ICComm.2018.8484793, **2018**
WoS:000449526000039
- ISI 13.** C.L. Leca, **P. Ciotîrnae**, C.I. Rîncu and I. Nicolaescu, "*Characteristics of Crowdsourcing for Outdoor Radio Fingerprinting Positioning*", 9th International Conference on Electronics, Computers and Artificial Intelligence ECAI **2017**, June 29–July 01, **2017**, IEEE Catalog Number CFP1727U-ART, Vol. 9 – No. 1/2017, ISBN: 9781509064571, <https://doi.org/10.1109/ecai.2017.8166385>,
WoS:000425865900001
- ISI 14.** T.C. Oroian, F. Enache and **P. Ciotîrnae**, "*Some considerations about third-order statistics for different types of radar signals*", 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, March 23-25, **2017**, pp. 9-12, DOI: 10.1109/ATEE.2017.7905090, ISBN: 9781479975143, <http://ieeexplore.ieee.org/document/7905090/>,
WoS:000403399400003
- ISI 15.** A. Sandu, A. Digulescu, C. Ioana, I. Candel, A. Șerbănescu and **P. Ciotîrnae**, "*Underwater acoustic object imaging using spatial matched filtering*", OCEANS 2017 - Anchorage, **2017**, pp. 1-5, ISBN: 9780692946909,
WoS:000455012000087
- ISI 16.** M.V. Nichita, **P. Ciotîrnae**, R.L. Luca and V.N. Petrescu, "*5G propagation: Current solutions and future proposals*," **2016** 12th IEEE International Symposium on Electronics and Telecommunications (ISETC'2016), Timisoara, 2016, pp. 47-50. DOI: 10.1109/ISETC.2016.7781054, ISBN 9781509037483, IEEE Xplore, <http://ieeexplore.ieee.org/document/7781054/>,
WoS:000390717800011
- ISI 17.** V. N. Petrescu, **P. Ciotîrnae**, C. Rîncu, A. Aloman and M. Nichita, "*Performance evaluation of the integrated platforms using VoIP signalling protocols analysis*", **2016** International Conference on Communications (COMM), Bucharest, 2016, pp. 181-184, ISBN: 9781728116242, DOI: 10.1109/ICComm.2016.7528333, IEEE Xplore, <http://ieeexplore.ieee.org/document/7528333/>,
WoS:000383221900038
- ISI 18.** R. Luca, **P. Ciotîrnae** and V. Greu, "*Evaluation and improvement of WiMAX real throughput at application level using experimental study analysis and resulted optimization rules*", 2016 International Conference on Communications (COMM), Bucharest, **2016**, pp. 195-200, DOI: 10.1109/ICComm.2016.7528308, IEEE Xplore <http://ieeexplore.ieee.org/document/7528308/>, ISSN: 15503607, ISBN: 9781467381963,
WoS:000383221900041
- ISI 19.** A. Aloman, A. I. Ispas, **P. Ciotîrnae**, R. Sanchez-Iborra and M. D. Cano, "*Performance Evaluation of Video Streaming Using MPEG DASH, RTSP, and RTMP in Mobile Networks*", 2015 8th IFIP Wireless and Mobile Networking Conference (WMNC), Munich, **2015**, pp. 144-151, DOI: 10.1109/WMNC.2015.12, ISSN 978-0-7695-5662-8/15, ISBN: 9781509003518, IEEE Xplore, <http://ieeexplore.ieee.org/document/7396692/>,
WoS:000380445700019
- ISI 20.** D. Hrimiuc, A. Gagi, **P. Ciotîrnae**, "*Modern Communications Modules in e-Learning Systems*", in Proceedings of 11th International eLearning & Software for Education, pp. 158-161, Bucharest, 23-24 April **2015**, DOI: 10.12753/2066-026X-15-024, ISSN 2066-026X, <http://proceedings.elseconference.eu/paper162>
WoS:000384469000024
- ISI 21.** F. Popescu, F.R. Enache, I.C. Vizitiu and **P. Ciotîrnae**, "*Recurrence Plot Analysis for Characterization of Appliance Load Signature*", in Proceedings of 10th International Conference Communications 2014, pp. 101-104, **2014**, Bucharest, 29-31 May 2014, ISBN 978-1-4799-2385-4, CPF1441J-ART, DOI: 10.1109/ICComm.2014.6866747, INSPEC: 14484834, ISSN: 15503607, IEEE Xplore, <http://ieeexplore.ieee.org/document/6866747/>,
WoS:000345844600091

- ISI 22. V. Greu, **P. Ciotîrnae**, F. Popescu, M.G. Burgos, I. Sima, "Model and Algorithm for the Estimation of Internal/Environmental Interference Influence and Improvement of IEEE 802.11/Wi-Fi Networks Performance, Using Passive Monitoring", in Proceedings of 10th International Conference Communications **2014**, pp. 449-452, **2014**, Bucharest, 29-31 May 2014, ISBN 978-1-4799-2385-4 (IEEE Xplore), CPF 1441J-ART, DOI: 10.1109/ICComm.2014.6866664, INSPEC Accession Number: 14484799, IEEE Xplore, <http://ieeexplore.ieee.org/document/6866664/>,
WoS:000345844600008
- ISI 23. **P. Ciotîrnae**, F. Popescu, F.R. Enache and M.G. Burgos, "Extended Partially Overlapped Channel Interference Model and Study for 802.11 Wi-Fi Communications", in Proceedings of International Conference on Applied and Theoretical Electricity (ICATE), **2014**, pp. 164-169, **2014**, Craiova, 23-25 October 2014, DOI: 10.1109/ICATE.2014.6972656, INSPEC 14791578, IEEE Xplore, <http://ieeexplore.ieee.org/document/6972656/>,
WoS:000352737400067
- ISI 24. I.C. Vizitiu, **P. Ciotîrnae**, A. Kovacs and M. Mazîlu, "Pattern Recognition Using GAMLP Systems: A Comparative View as Performance Level", in Proceedings of 9th International Conference Communications 2012, pp. 125-128, **2012**, Bucharest, 21-23 June 2012, ISBN 978-1-4577-0058-3/-12, CPF 1241, DOI: 10.1109/ICComm. 2012.6262578, INSPEC Accession Number: 12932595, <http://ieeexplore.ieee.org/document/6262578/>,
WoS:000307808200028
- ISI 25. V. Greu, **P. Ciotîrnae**, I.C. Vizitiu, S. Cernea and O. Poncea, "A Secure Routing Algorithm With Additional Cognitive Information Scalable Features for the Design Approach of the Tactical Frequency Hopping Radios Ad-Hoc Networks (TAFHNET)", in Proceedings of 9th International Conference Communications 2012, pp. 181-184, **2012**, Bucharest, 21-23 June **2012**, ISBN 978-1-4577-0057-6, CPF 1241, DOI: 10.1109/ICComm.2012.6262566, INSPEC Accession Number: 12932583, IEEE Xplore, <http://ieeexplore.ieee.org/document/6262566/>,
WoS:000307808200041
- ISI 26. I.C. Vizitiu, I. Nicolaescu, A. Stoica, **P. Ciotîrnae**, A. Radu and C. Molder, "An Optimal Full-Genetic Technique used to train RBF Neural Networks", in Proceedings of the 9th International Symposium on Electronics and Telecommunications (ISETC 2010), Timișoara, Romania, November 11-12, **2010**, pp. 319-322, ISBN 978-1-4244-8458-4, CFP1003L-PRT, DOI: 10.1109/ISETC.2010.5679259, INSPEC Accession Number: 11745511, IEEE Xplore, <http://ieeexplore.ieee.org/document/5679259/>,
WoS:000296356700068
- ISI 27. **P. Ciotîrnae**, I.C. Rîncu, G. Niculescu and L. Ioan, "Evaluation of Global Database Queries Configuration Influence on the Message Delay in SS7 Networks", in Proceedings of 8th International Conference Communications 2010, pp. 305-308, 10-12 June 2010, Bucharest, **2010**, ISBN 978-1-4244-6363-3 (IEEE Xplore), DOI: 10.1109/ICComm.2010.5509023, INSPEC Accession Number: 11417271, <http://ieeexplore.ieee.org/document/5509023/>,
WoS:000299870700072
- ISI 28. I.C. Vizitiu, **P. Ciotîrnae**, "Multispectral Neural ATR System using the Decision Fusion Between HRR and Thermal Imaginary", in Proceedings of the International Conference of Military Technologies (ICMT'09), Brno, Czech Republic, May 5-6, **2009**, pp.261-268, ISBN 978-80-7231-649-6, http://www.unob.cz/fvt/struktura/k206/documents/veda/konference_icmt_2009.pdf,
WoS:000284810600036
- ISI 29. **P. Ciotîrnae**, I.C. Vizitiu, C. Rîncu, "Teletraffic Analysis and Optimization using Chaotic Maps", in Proceedings of the International Conference of Military Technologies (ICMT'09), Brno, Czech Republic, May 5-6, **2009**, pp.493-498, ISBN 978-80-7231-649-6, http://www.unob.cz/fvt/struktura/k206/documents/veda/konference_icmt_2009.pdf,
WoS:000284810600069
- ISI 30. I.C. Vizitiu, **P. Ciotîrnae** and I. Nicolaescu, "High-Performance Pattern Recognition System Using an Improved Neural Classification Chain and Decision Fusion on Multispectral Information", in Proceedings of the 2th International Conference on the Applications of Digital Information and Web Technologies, **2009**, ICADIWT '09, pp. 772-777, London 04-06 Aug. 2009, ISBN 9781424444571, INSPEC Accession Number: 10905914, DOI: 10.1109/ICADIWT.2009.5273924, <http://ieeexplore.ieee.org/document/5273924/>,
WoS:000288359000130

- ISI 31.** P. Ciotirnae, D. Sipoşan, C. Niculae, R.D. Raicu, “*Bio-Inspired Model for the Traffic Optimization into Laser Communication Networks*”, in Proceedings of the 10th International Congress of Dermatology, Prague (Czech Republic), May 20-24, **2009**, pp. 295-301, ISBN 978-88-7587-536-7, Ed. Medimond Press.
WoS:000360242200051
- ISI 32.** I.C. Vizitiu, I. Nicolaescu, , P. Ciotirnae, D.P. Munteanu and C. Molder, “Target Recognition Improvement using the Decision Fusion Between HRR and Video Imaginary”, International NAUN Conference on Circuits, Systems and Signals 2008, Attica, Greece, June 1-3, **2008**, published in Advances in Applied Mathematics, Systems, Communications and Computers, pp.120-125, ISBN 978-960-6766-69-5, ISSN 1790-2769,
<http://naun.org/cms.action?id=119>, <http://www.wseas.us/e-library/conferences/2008/naun/cd/19.pdf>
WoS:000257984000019
- ISI 33.** D.P. Munteanu, O. Brădeanu, P. Ciotirnae and I.C. Vizitiu, “Zone Profile Generation for Location Based Services and Traffic Analysis”, in Proceedings of the 12th WSEAS International Conference on Communications, Heraklion, Greece, July 23-25, **2008**, pp.386-390, ISSN 1790-5117, ISBN 978-960-6766-84-8 ISI, <http://www.wseas.us/e-library/conferences/2008/crete/communications/57-com.pdf>
WoS:000260496700056
- ISI 34.** I.C. Vizitiu and P. Ciotirnae, “Neural Design Procedure for an ATTR System Based on Video Imagery Usage”, 9th WSEAS International Conference on Automation and Information, JUN 24-26, 2008, Bucharest, ROMANIA, ISBN 978-960-6766-77-0, ISSN 1790-5117 WSEAS Transaction on Circuits and Systems, Issue 7, Vol. 7, pp.590-599, Print-ISSN: 1109-2734,E-ISSN: 2224-266X, **2008**, <https://pdfs.semanticscholar.org/pdf> (<http://wseas.org/action2861>), <http://www.worldses.org/journals/circuits/circuits-2008.htm>,
WoS:000258497000088

F. BDI Scientific Papers

- BDI 1.** P. Ciotirnae and A. F. Păun, “Increasing the Robustness of the Time Reference Distribution Equipment using Multimodal Security Methods Based on Blockchain Implementations”, 2024 15th International Conference on Communications (COMM), ISBN 979-8-3503-5595-6, Bucharest, Romania, **03-04.10.2024**, pp. 1-6, DOI: <https://doi.org/10.1109/COMM62355.2024.10741477> , <https://ieeexplore.ieee.org/document/10741477>
INSPEC:25878078
- BDI 2.** P. Ciotirnae and D. Anton, “Multi-Factor Secure Authentication Method Used for Accessing Sensitive Data Bases,” 2024 15th International Conference on Communications (COMM), ISBN 979-8-3503-5595-6, Bucharest, Romania, **03-04.10.2024**, pp. 1-6, DOI: <https://doi.org/10.1109/COMM62355.2024.10741457>
<https://ieeexplore.ieee.org/document/10741457>
INSPEC:25878057
- BDI 3.** G. Niculescu, P. Ciotirnae and L. Ioan, “The Packet Delay in a MPLS Network Using “1+1 Protection”, in Proceedings of 6th Advanced International Conference on Telecommunications AICT 2010, pp. 231-235, 9-15 May **2010**, Barcelona, Spain, 2010, ISBN 978-0-7695-4021-4, DOI: 10.1109/AICT.2010.94, ISSN: 17900832, **IEEE Xplore**,
<http://ieeexplore.ieee.org/document/5489838/>
INSPEC:11374629
- BDI 4.** I.C. Vizitiu, P. Ciotirnae, T. Oroian, A. Radu, F. Popescu, C. Avram, “Training of RFB Neural Networks using a Full-Genetic Approach”, in WSEAS Transaction on Information Science and Applications, Issues 8, Volume 7, August **2010**, pp. 1015-1024, ISSN 1790-0832 (**ACM Digital Library**), Indexed in Elsevier’s SCOPUS,
<http://www.worldses.org/journals/Vo7-2010.htm>
<https://dl.acm.org/doi/10.5555/1865351.1865352>
INSPEC:11576965

G. Scientific Research Projects

Project Manager

- C1.** Project No. PN-III-P2-2.1-SOL-2017-08-0107, **9SOL/2018**, “Integrated System for Support and Command of Crisis Response Actions”, National Research, Development and Innovation Program (PNCDI III), Solutions, Acronym SIS-COM-ISC, Initial budget 8.000.000 lei, **2018-2021**
www.9sol.ro ; <https://mta.ro/proiecte-finalizate>, <https://uefiscdi.gov.ro/9SOL>
- C2.** Project No. **11-029/2007**, “Complex analysis and optimization system for teletraffic in communication networks with technological diversity and convergence of services”, National Research, Development and Innovation Program (PNCDI II), Partnership, Acronym ATRAF, Initial budget 1.960.000 lei, **2007-2010**
www.atraf.ro, <http://www.mta.ro/proiecte-finalizate/>
- C3.** Project no. **A 10136/28.12.2006**, “Analysis, optimization and new technologies”, Contractor: S.C. Marctel SIT Initial budget 84.000 lei, **2007-2008**.

Partner Project Manager

- C4.** Project No. **02PSCD/2022**, “Anti-drone jamming system”, Sectorial Research Programs (PSCD), Acronym LOST-DRONE, Initial budget 5.994.800 lei, **2022-2025**
<https://www.dpa.ro/dgarm/cercetare-dezvoltare-inovare>
- C5.** Project No. CEEX-M1-C2-2617, **12/2006**, “Secure Communications for Eurocom Networks”, Research of Excellence Programs (CEEX), Acronym SCE-SCIP, Initial budget 1.011.974 lei, **2006-2008**
http://www.cnmp.ro/ceex/comp1_2006/oferta.php?id=2617
http://www.mct-excelenta.ro/fileadmin/mct/Rezultate/modulul_1/ianuarie_2006/lista_finantate_M1.htm

Team member (extras)

- C6.** Project No. **Horizon_EUSPA-2021-SPACE NR:101082440**, CHRISS, “Critical infrastructure High accuracy and Robustness increase Integrated Synchronization Solutions”, coordinator: BEIA Consult International, Initial budget 3.102.875 Euro, **2022 – 2026** <https://beiaro.eu/chriiss/>
<https://cordis.europa.eu/project/id/101082440> <https://chriiss-project.eu/>
- C7.** Project No. **PN-IV-P7-7.1-PTE-2024-0432**, HARPY, 45PTE/2025, “Unmanned aerial vehicle for EOD and C-IED missions”, coordinator: Marctel, initial budget 1.946.000 lei, 2025-2027, <https://marctel.ro/en/research-development/>
- C8.** Project No. **PN-III-P2-2.1-PTE-2021-0646**, 68 PTE/2022, “SMART multilayer holographic label manufacturing technology with temperature sensor and anticopying metal particles”, Coordinator: Optoelectronica 2001 S.A., Initial budget 1.193.105 lei, **2022 – 2024**, <http://smartholotemp.optoel.ro>
- C9.** Project No. **My SMIS 142429**, “The innovative platform for the efficiency of e-government services”, NEUROGUV, Coordinator: S.C. Soft Galaxy International Srl., Initial budget 7.864.217 lei, **2022 – 2023**
<https://softgalaxy.ro/projects/poc.html>
- C10.** Project No. **My SMIS 121596**, “Innovative system for cross-border combating terrorism, organized crime, illegal trafficking of goods and persons”, SICOTIP, Coordinator: S.C. Energy & ECO Concept Srl., Initial budget 29.322.709 lei, **2021 – 2023**, <https://sicotip.enecgroup.ro/>
- C11.** Project No. **PN-III-P2-2.1-SOL-2021-0063**, **27SOL/2021**, “Platform specialized in identifying and evaluating early warning indices for crisis management”, Coordinator: Military Technical Academy Ferdinand I, Initial budget 7.500.000 lei, **2021 – 2023**, <https://www.27sol.ro/>
- C12.** Project No. **PN-III-P2-2.1-SOL-2021-0024**, “Identifying the unusual behaviour of people in video streams”, Coordinator: Ovidius University of Constanta, Initial budget 7.500.000 lei, **2021 – 2023**
<https://ideneo.univ-ovidius.ro/>
- C13.** Project No. PN-III-P2-2.1-SOL-2021-0167, “Complex training facility for development, testing and validation of reaction means of special intervention forces against asymmetrical threats and risks in urban areas”, Coordinator: INFM, Initial budget 15.000.000 lei, 2021 – 2023
<https://infm.ro/project/33SQL-AsimRisc/>

- C14.** Project No. **PN-III-P1-1.2-PCCDI-2017-0272**, "*Avant-garde Technology Hub for Advanced Security*", Coordinator: Military Technical Academy Ferdinand I, **2018 – 2021**
<https://www.security-hub.ro/>
- C15.** Project No. **PN-III-P2-2.1-SOL-2020-3-0415**, "*Strategy for national participation in the new European context for coordinating security and space industry research*", Coordinator: ROSA, Initial budget 5.900.000 lei, **2020 – 2021**
<http://www.rosa.ro/index.php/ro/cercetare/proiecte-nationale/4889-proiect-strategie-3s>
- C16.** Project No. **PN-III-P2-2.1-SOL-2020-2-0360, 25SOL/2020**, "*SOL-2020-2 9. Development of effective local and remote diagnostic technologies and systems for SARS-CoV-2 virus infection*", Coordinator: Military Technical Academy Ferdinand I, Initial budget 543.750 lei, **2020 – 2020**
<https://mta.ro/scutcov/>
- C17.** Project No. ROSA-462-2017, **159/20.07.2017**, "*Research, design, development and bench testing of a hybrid reactive propulsion system for space launcher applications area , with innovative inhomogeneous fuel and adaptive electrical control of parameters*", Romanian Space Agency, Acronym SPECH, Initial budget 1.894.490 lei, **2017-2020**, https://star.rosa.ro/downloads/C3_2016/STAR_C3_2016_CDI_PropFinantare_final.pdf
- C18.** Project No. PN-II-PT-PCCA-2013-4-2135, **297/2014**, "*Small, fast convertible ballistic system for lethal and non-lethal actions*", PNII-UEFISCDI, Acronym CONPOSE, Initial budget 1.250.000 lei, **2014-2017**
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