

THE COMPLETE LIST OF SCIENTIFIC WORKS

A. List of the 10 Most Relevant Scientific Papers

1. R. Luca, P. Ciotîrnae, 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, **WOS:000373296600008**, **JCR2016: IF=1.374**
<http://univagora.ro/jour/index.php/ijccc/article/view/2558/1004>
2. 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, **WOS:000383221900041**, **IEEE Xplore**, **IF=0.25** <http://ieeexplore.ieee.org/document/7528308/>
3. V. N. Petrescu, P. Ciotîrnae, C. Rîncu, A. Aloman and M. Nichita, "Performance evaluation of the integrated platforms using VoIP signaling protocols analysis," 2016 International Conference on Communications (COMM), Bucharest, 2016, pp. 181-184, DOI: 10.1109/ICComm.2016.7528333, **WOS:000383221900038**, **IEEE Xplore**, **IF=0.25**, <http://ieeexplore.ieee.org/document/7528333/>
4. P. Ciotîrnae, F. Popescu, F. Enache, "Extended Study Regarding Sustained Transfer Rate for 802.11 Wi-Fi Communications With Partially Overlapped Channels Interference", in Annals of the University of Craiova, Electrical Engineering series, no. 38, pp. 164-169, 2014, ISSN 1842-4805, <http://elth.ucv.ro/2014/164.pdf>
5. 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, **WOS:000299870700072**, **IEEE Xplore**, **IF=0.25**, <http://ieeexplore.ieee.org/document/5509023/>
6. G. Niculescu, P. Ciotîrnae 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, INSPEC Accession Number: 11374629, **IEEE Xplore**, <http://ieeexplore.ieee.org/document/5489838/>
7. P. Ciotîrnae, D. Siposan, 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 Web of Science**, **IF=0.25**
8. 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, **Indexed in Web of Science**, **WOS:000284810600069**, **IF=0.25**, http://www.unob.cz/fvt/struktura/k206/documents/veda/konference_icmt_2009.pdf
9. P. Ciotîrnae, "Secure Data Transmissions on Multiple Eurocom Channels", in Proceedings of the 5th International Conference Communications 2004, Bucharest, Romania, June 3-5, 2004, pp. 165-170, ISBN 973-640-035-2, <https://scholar.google.ro/citations?hl=en&user=52jOEZMAAAAJ>
10. P. Ciotîrnae, "Chaotical Protection Algorithm for Delta Modulated Voice Channel", in Proceedings of the 5th International Conference Communications 2004, Bucharest, Romania, June 3-5, 2004, pp. 171-174, ISBN 973-640-035-2, <https://scholar.google.ro/citations?hl=en&user=52jOEZMAAAAJ>

B. The Ph.D. Thesis

1. "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 Şerbănescu, March 2004.

C. List of the Specialized Books

1. **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.
2. **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.
3. **P. Ciotîrnae**, "*Digital Switching and Multiplexing Systems*", Military Technical Academy Publisher, **2009**, ISBN 978-973-640-171-8, CIP 2009-8126, 188 p.
4. C. Bălan, A. Şerbănescu, **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.
5. 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.
6. 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.

D. The List of ISI Web of Science Papers

11. 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, WOS:000403399400003, IEEE Xplore, IF=0.25 <http://ieeexplore.ieee.org/document/7905090/>
12. 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 978-1-5090-3748-8, WOS:000390717800011, IEEE Xplore, IF=0.25 <http://ieeexplore.ieee.org/document/7781054/>
13. 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, WOS:000380445700019, IEEE Xplore, IF=0.25, <http://ieeexplore.ieee.org/document/7396692/>
14. 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, WOS:000384469000024, IF=0.25 <http://proceedings.elseconference.eu/paper162>
15. **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 Accession Number: 14791578 WOS:000352737400067, IEEE Xplore, IF=0.25, <http://ieeexplore.ieee.org/document/6972656/>
16. 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 Accession Number: 14484834 WOS:000345844600091, IEEE Xplore, IF=0.25, <http://ieeexplore.ieee.org/document/6866747/>
17. 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/WiFi 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:

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18. I.C. Vizitiu, **P. Ciotîrnae**, A. Kovacs and M. Mazîlu, "Pattern Recognition Using GMLP 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
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19. 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 (IEEE Xplore)**, CPF 1241, **DOI: 10.1109/ICComm.2012.6262566**, **INSPEC** Accession Number: 12932583
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20. 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
WOS:000296356700068, **IEEE Xplore**, **IF=0.25**, <http://ieeexplore.ieee.org/document/5679259/>
21. 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 978-1-4244-4456-4**, **INSPEC** Accession Number: 10905914, DOI: 10.1109/ICADIWT.2009.5273924, **WOS:000288359000130**, **IEEE Xplore**, **IF=0.25**
<http://ieeexplore.ieee.org/document/5273924/>
22. 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**, Indexed in Web of Science (ISI CPCI)
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23. I.C. Vizitiu and **P. Ciotîrnae**, "Neural Design Procedure for an ATTR System Based on Video Imagery Use", 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 Indexed in Elsevier's SCOPUS, **INSPEC**,
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24. D.P. Munteanu, O. Brădeanu, **P. Ciotîrnae** 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,
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25. I.C. Vizitiu, I. Nicolaescu, **P. Ciotîrnae**, 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**,
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<http://naun.org/cms.action?id=119>, <http://www.wseas.us/e-library/conferences/2008/naun/cd/19.pdf>

E. The List of the International Conference Papers

26. 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 **ISSN** 1843-2115, **ISBN** 978-1-5090-6458-8, (**submitted to IEEE Xplore**)
http://ecai.ro/VOLUME%202017/ECAI-2016%20VOLUMES/POSTER/ECAI-2017_paper_30.pdf
27. I. Firiceanu, I.F. Țone, **P. Ciotîrnae** and N. Lucaci, "Application for Library with Online Database Access, Architecture and Performance Analysis", 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 **ISSN** 1843-2115, **ISBN** 978-1-5090-6458-8, (**submitted to IEEE Xplore**)
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28. N. Lucaci, **P. Ciotîrnae**, I.F. Țone, and I. Firiceanu, "Specific Access Architecture for Computer Networks with AAA Server Solution", 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 **ISSN** 1843-2115, **ISBN** 978-1-5090-6458-8, (**submitted to IEEE Xplore**)
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29. A. Sandu, A. Digulescu, C. Ioana, I. Candel, A. Șerbănescu and **P. Ciotîrnae**, "Underwater acoustic object imaging using spatial matched filtering", OCEAN 17 Anchorage, September 18–21, **2017**, (**accepted**),
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30. V. Greu, **P. Ciotîrnae**, F. Popescu, I. Sima, "Interference Study and Algorithm With Interference Activity Evaluation Criteria Using Experimental Data to Optimize Wi-Fi Networks", 10-12 September 2015, 11th International Conference on Technical and Physical Problems of Electrical Engineering, ICTPE-2015, **ISSN** 2309-0553 Proceedings: **ISSN** 2309-0545 (**IDB Ranked**)
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31. V. Greu, **P. Ciotîrnae**, I. Sima, F. Popescu, „A New Algorithm for Optimizing IEEE 802.11 Network Based on Interference Activity Evaluation Criteria,” International Journal on “Technical and Physical Problems of Engineering”, (IJTPE), Published by International Organization of IOTPE, December 2015, Issue 25, Volume 7 Number 4, Pages 55-61, **ISSN** 2077-3528, <http://www.iotpe.com/IJTPE-2015/Issue25-Vol7-No4>
32. I.C. Vizitiu, **P. Ciotîrnae**, 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, Scopus ranked), Indexed in Elsevier's SCOPUS, INSPEC
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33. I.C. Vizitiu, **P. Ciotîrnae**, S. Spînu, "A Full-Genetic Approach to Train RBF Neural Networks", in MTA Review, Volume 20, No. 3, pp.177-194, Sept. **2010**, **ISSN** 1843-3391, http://www.journal.mta.ro/vol13_articol119
34. **P. Ciotîrnae**, D. Siposan, R.D. Raicu, "A Connection Between Communication Within The Living World And Traffic Models For Laser Communication Systems", **ABSTRACT** in Lasers in Medical Science Journal No. 10103, **ISSN**: 0268-8921 (print version), **ISSN**: 1435-604X (electronic version), Volume 24, Supplement 1, October 2009, pp. 49-50, Digital Object Identifier: 10.1007/s10103-009-0735-7, Springer London, 2009, (ISI Thomson Reuters Ranked), **IF=2.29** <https://link.springer.com/journal/10103>
35. D. Siposan, **P. Ciotîrnae**, R.D. Raicu, "Improving the Quality of Stored Blood by Low-Level Laser Irradiation prior to Transfusion Procedures", in MTA Review, Volume 19, No. 3, pp.311-332, Sept. **2009**, **ISSN** 1843-3391, <http://www.journal.mta.ro/volum9/articol92>
36. I.C. Vizitiu and **P. Ciotîrnae**, "Genetic Procedure for Optimization of RBF Neural Network Center Positioning", in Transaction on Electronics and Communications, pp.91-94, Tom 53(67), Fascicola 1, **ISSN** 1583-3380 (CNCSIS B ranked), Index in Copernicus, Electronic Journals Library, Directory of Open Access Journals, Ulrich's, Cabells, http://www.tc.etc.upt.ro/bulletin/pdf/2008vol53_67no1.pdf
37. D.P. Munteanu and **P. Ciotîrnae**, "Using MELP Technology in Military Applications", in MTA Review, Volume 18, No.3, pp.273-278, Sept. **2008**, **ISSN** 1843-3391, <http://www.journal.mta.ro/volum5/articol51>

38. I.C. Rîncu, G. Iana, P. Anghelescu and **P. Ciotîrnae**, “*Tent Map based Encryption Algorithm*”, in Proceedings of the 7th International Conference Communications 2008, Bucharest, Romania, June 5-7, **2008**, pp. 361-364, ISBN 978-606-521-008-0, IEEE no. **13725**, <https://scholar.google.ro/citations?hl=en&user=52jOEZMAAAAJ>
39. S. Toma, D.P. Munteanu and **P. Ciotîrnae**, “*Letter to Sound System for the Romanian Language*”, in Proceedings of the 7th International Conference Communications 2008, Bucharest, Romania, June 5-7, **2008**, pp.85-88, ISBN 978-606-521-008-0, IEEE no. **13725**
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40. I.C. Vizitiu, and **P. Ciotîrnae**, „*Increasing the Radar ATR System Performances by Using a Modified Version of Fuzzy Integral Applied on HRR and Video Imaginary*”, NAUN International Journal of Circuits, Systems and Signal Processing, Issue 4, Volume 1, 2007, pp. 295-302, ISSN 1998-4464
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41. D.P. Munteanu and **P. Ciotîrnae**, “*MELP Vocoder Implementation Aspects*”, in Proceedings of The 32th Session of International Conference “Modern Technologies in the 21st Century”, Bucharest, November **2007**, ISBN 978-973-640-127-5, <https://scholar.google.ro/citations?hl=en&user=52jOEZMAAAAJ>
42. F. Popescu and **P. Ciotîrnae**, “*Parametric Speech Coders in Military Communication Systems*”, in Proceedings of International Scientific Conference “New Challenges in the Field of Military Sciences 2006”, ISBN 978-963-87706-2-2, pp.66-70, Budapest, 2006, Hungary
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43. **P. Ciotîrnae**, C. Bălan, I. Praoveanu and T. Necşoiu, “*Special Requests for Tactical Laser Communication Systems*”, in the Proceedings of the 36th International Scientific Symposium of the Military Equipment and Technologies Research Agency, pp.624-627, May 26-27, Bucharest, **2005**, ISBN 973-0-03923-2, <https://scholar.google.ro/citations?hl=en&user=52jOEZMAAAAJ>
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45. **P. Ciotîrnae**, L. Ioan, I. Praoveanu and C. Bălan, “*Traffic Analysis in Communication Networks*”, The 31th Session of International Conference “Modern Technologies in the 21st Century”, Bucharest, **2005**, ISBN 973-640-074-3, <https://scholar.google.ro/citations?hl=en&user=52jOEZMAAAAJ>
46. **P. Ciotîrnae**, “*Solutions for voice and data transmission protection in communication system of Romanian army*”, in Proceedings of the 35th Scientific Symposium of the Military Equipment and Technologies Research Agency 2004, Bucharest, Romania, May 28-29, **2004**
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52. A. Şerbănescu, P. Ciotîrnae and V. Eugen, „Iterative aspects in nonlinear dynamical system with chaotic behaviour”, Proceedings for Analysis and Numerical Solution of Nonlinear Models of Physical Phenomena, 19 - 21 May 1997, International symposium supported by US Air Forces European Division, 19-21 may 1997, Universitatea de Vest, Timișoara, Romania
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F. The Citation List

Paper 02, cited by:

- C1. R. Arul, G. Raja, K. Kottursamy, P. Sathiyarayanan, S. Venkatraman, "User Path Prediction Based Key Caching and Authentication Mechanism for Broadband Wireless Networks", Journal of Wireless Personal Communications, pp. 2645-2664, Volume 94, Issue 4, 2017, ISSN 0929-6212. **WOS:000402060300048**, Springer, <https://link.springer.com/article/10.1007/s11277-016-3877-5>

Paper 05, cited by:

- C2. C. Ghiță, T. Oroian, R. Raicu, L. Anton, I. Suciuc, "Some considerations about third-order statistics for different types of random signals", Communications (COMM) 2014, 10th International Conference on, pp. 1-4, 2014. INSPEC Number: 14484779, DOI: 10.1109/ICComm. 2014.6866722, IEEE Xplore, **WOS:000345844600066**, <http://ieeexplore.ieee.org/abstract/document/6866722/>

Paper 06, cited by:

- C3. F. Sun, Q. Qi, F. JieQing, "Real-time signal time delay analysis of WAMS based on MPLS VPN technology", Advanced Power System Automation and Protection (APAP) 2011 International Conference on, vol. 2, pp. 1089-1093, 2011., IEEE Xplore, <http://ieeexplore.ieee.org/document/6180968/>
- C4. M. Kishor and D. Dhadwal, "A Novel Study on Improved Re-Route Model to Reduce Traffic in MPLS Network", International Journal of Advanced Research in Computer and Communications Engineering, Vol.4, Issue 12, December 2015, ISSN 2279-1021, <https://www.ijarccce.com/upload/2015/december-15/IJARCCCE%2083.pdf>

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G. List of the Scientific Research Projects

Project manager

1. 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**
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2. Project no. **A 10136/28.12.2006**, “Analysis, optimization and new technologies”, Contractor: S.C. Marctel SIT Srl., Initial budget 84.000 lei, **2007-2008**

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3. Project No. **12/2006**, “Secure Communications for Eurocom Networks”, Research of Excellence Programs (CEEX), Acronym SCE-SCIP, Initial budget 1.011.974 lei, **2006-2008**
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Team member

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5. Project No. **21-075/2007**, “Hybrid electrical power generation system using renewable resources”, National Research, Development and Innovation Program (PNCDI II), Partnership, Acronym SCHIELDS, Initial budget 2.000.000 lei, **2007-2010**
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6. Project No. **28/05.10.2006**, “Advanced studies and research regarding disturbed atmospheric medium laser communication systems”, Research of Excellence Programs (CEEX), Acronym SCL-MAP, Initial budget 844.800 lei, **2006-2008**
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