


PERSONAL INFORMATION

Alexandru Marțian



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Sex Male | Date of birth 13/10/1977 | Nationality Romanian

WORK EXPERIENCE

2019 – present

Associate Professor / Researcher

University Politehnica of Bucharest, Electronics, Telecommunications and Information Technology Faculty, Telecommunications Department.

- Research in the area of wireless communications
- Lectures / applications: Software Defined Radio, Radio Communication: Systems and Equipment
- Applications : Software Defined Radio Equipment, Mobile Communication Systems, Mobile Communications, Signals and systems, Analysis and Synthesis of Circuits.

Business or Sector **Education**

2013 – 2019

Lecturer / Researcher

University Politehnica of Bucharest, Electronics, Telecommunications and Information Technology Faculty, Telecommunications Department.

- Research in the area of wireless communications
- Lectures / applications: Software Defined Radio, Radio Communication: Systems and Equipment
- Applications: Software Defined Radio Equipment, Mobile Communication Systems, Mobile Communications, Signals and systems, Analysis and Synthesis of Circuits.

Business or Sector **Education**

2007 – 2013

Teaching assistant / Researcher

University Politehnica of Bucharest, Electronics, Telecommunications and Information Technology Faculty, Telecommunications Department.

- Research in the area of wireless communications
- Applications: Software Defined Radio Equipment, Mobile Communication Systems, Radio Communication Systems and Equipment, Mobile Communications, Signals and systems, Analysis and Synthesis of Circuits.

Business or Sector **Education**

2006 – 2011

Development engineer – hardware and software

CDE Electronic Consult SRL

8, Valea Ialomitei Str., Bl. D28, App. 24, Bucharest.

- VOIP module – Hardware and software development
- DSP Software (TI C54x)
- Windows applications for testing and debugging of several hardware modules

Business or Sector **Communication Systems**

2000 – 2006

Development engineer – hardware and software

EFE Elektronik– Forschungs- und Entwicklungsgesellschaft mbH

An der Flachsroesse 3, 64367, Muehlthal, Deutschland.

- Data and voice communication system using fiber optics and network cable. Design and implementation.
- Windows applications for testing and debugging of several hardware modules
- Design, implementation and testing for programmable logic devices (CPLD)
- Modules for data transmission and reception through fiber optics
- DSP Software (TI C54x)

Business or Sector Communication, management and security systems for prisons and hospitals

2000 **Engineer – Radio Relay Department**

Societatea Națională de Radiocomunicații
București, B-dul Libertății nr. 14, sector 5.

Business or Sector Radiocommunications

EDUCATION AND TRAINING

- | | | |
|-------------|--|-------------|
| 2014 – 2015 | <p>Postdoctoral studies</p> <p>"Politehnica" University of Bucharest, Electronics, Telecommunications and Information Technology Faculty, Telecommunications Department.</p> <ul style="list-style-type: none"> ▪ Research field: Spectrum sensing systems for cognitive radio equipment | EQF level 8 |
| 2007 – 2013 | <p>PhD studies</p> <p>"Politehnica" University of Bucharest, Electronics, Telecommunications and Information Technology Faculty, Telecommunications Department.</p> <ul style="list-style-type: none"> ▪ Thesis title: Efficient Use of RF Spectrum based on the Cognitive Radio Technology ▪ Obtained Title: Magna cum laude | EQF level 8 |
| 2012 – 2013 | <p>Internship – IXIA Romania</p> <ul style="list-style-type: none"> ▪ Design and implementation of a testing system based on USRP platforms for dynamic spectrum access equipment | |
| 2007 – 2008 | <p>Specialization for using Alcatel-Lucent GSM Equipment</p> | |
| 1995 – 2000 | <p>Bachelor of Science studies</p> <p>"Politehnica" University of Bucharest, Electronics, Telecommunications and Information Technology Faculty, Telecommunications Department.</p> <ul style="list-style-type: none"> ▪ Title of qualification awarded: Dipl. Engineer, Mobile Communications and Satellites specialty | EQF level 6 |
| 1991 – 1995 | <p>High School studies</p> <p>"Sfântul Sava" National College, Bucharest.</p> <ul style="list-style-type: none"> ▪ Title of qualification awarded: High school diploma, Mathematics-Physics profile | EQF level 4 |

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	B2	B2	B2	B1	B1
French	A2	A2	A2	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills ▪ good communication skills gained through my teaching and research experience, as well as during the years I worked in the industry.

Job-related skills ▪ Research interests: Cognitive Radio, Software Defined Radio, Spectrum Sensing Techniques;
▪ Use of USRP SDR platforms for implementing spectrum sensing applications using GNU Radio and Matlab;
▪ Design, implementation and testing for telecommunication systems using: C programming, Delphi, Code Composer for TI DSPs, IAR Embedded Workbench for NEC microcontrollers, Xilinx ISE, Mathworks MATLAB, ATDI ICS Telecom, NI LabView, NI LabView Communications;
▪ Member in the research teams of 16 research projects, from which 2 were international;
▪ Project manager for 2 research projects;
▪ Reviewer for several significant international journals (IEEE, Elsevier, Springer, MDPI);
▪ Member in the technical committee of several national and international conferences.

Computer skills ▪ good command of Microsoft Office™ tools

Other skills October 2012 – February 2013
▪ Internship – IXIA Romania, Design and implementation of a testing system based on USRP platforms for dynamic spectrum access equipment.
December 2007 – January 2008
▪ Specialization for using GSM Alcatel-Lucent equipment.

Driving licence ▪ Cat. B since 2000.

 ADDITIONAL INFORMATION

Publications

Books

1. **A. Marțian**, "Utilizarea eficientă a spectrului de radiofrecvență. Evaluarea stadiului actual și perspective", Ed. Politehnica Press, București, România, 2017. (ISBN 978-606-515-781-1)
2. I. Marcu, C. Oprea, **A. Marțian**, O. Fratu, I. Marghescu, "Comunicații mobile: aspect teoretice și experimentale", Ed. Politehnica Press, București, România, 2018. (ISBN 978-606-515-837-5)

Book chapters

1. C.V. Năstase, O. Fratu, **A. Marțian**, I. Marghescu, "Performance Analysis of MUSIC and Capon DOA Estimation Algorithms in Cognitive Radio Networks", In book: Future Access Enablers for Ubiquitous and Intelligent Infrastructures, Publisher: Springer International Publishing, Editors: Atanasovski, Vladimir and Leon-Garcia, Alberto, pp.142-148, ISSN: 1867-8211, DOI: 10.1007/978-3-319-27072-2_10

Journals

1. **A. Marțian**, C. Vlădeanu, I. Marcu, I. Marghescu, "Evaluation of Spectrum Occupancy in an Urban Environment in a Cognitive Radio Context", in International Journal on Advances in Telecommunications, published by IARIA, ISSN 1942-2601, vol. 3 no. 3&4, 2010, pp 172-181.
2. I. Marcu, S. Halunga, I. Pimog, **A. Marțian**, C. Oprea, "Convolutional Turbo Encoding Improvements for Different Multiuser Detection Algorithms in Unperfect Reception Conditions", in Scientific Bulletin UPB, Series C, vol.4, 2011, ISSN 1454-234x.
3. **A. Marțian**, "Evaluation of Spectrum Occupancy in Urban and Rural Environments of Romania", in Revue Roumaine des Sciences Techniques - Serie Electrotechnique et Energetique, year 2014, issue 1, pp 87-96.
4. **A. Marțian**, R. Crăciunescu, A. Vulpe, G. Suci, O. Fratu, "Access to RF White Spaces in Romania: Present and Future", in Wireless Personal Communications, vol. 82, no. 2, pp. 1-20, Mai 2015.
5. G. Suci, A. Vulpe, **A. Marțian**, S. Halunga, D.N. Vizireanu, "Big Data Processing for Renewable Energy Telemetry Using a Decentralized CloudM2M System", in Wireless Personal Communications, vol. 82, no. 1, Mai 2015.
6. G. Suci, V. Suci, **A. Marțian**, R. Crăciunescu, A. Vulpe, I. Marcu, S. Halunga, O. Fratu, "Big Data, Internet of Things and Cloud Convergence - An Architecture for Secure E-Health Applications", in Journal of Medical Systems, vol. 39, no. 11, pp. 1-8, Springer, September 2015.
7. C. Vlădeanu, C.V. Năstase, **A. Marțian**, "Energy Detection Algorithm for Spectrum Sensing Using Three Consecutive Sensing Events", in IEEE Wireless Communications Letters, vol. 5, issue 3, pp. 284-287, June 2016.
8. F. Almajanu, C.V. Năstase, **A. Marțian**, I. Marghescu, "Radio Coverage Analysis for Mobile Communication Networks using ICS Telecom", in Scientific Bulletin UPB, Seria C, vol.78, issue 2, pp.177-190, 2016.
9. **A. Marțian**, "Real-time spectrum sensing using software defined radio platforms", in Telecommunication Systems, Volume 64, Issue 4, pp 749-761, Springer, April 2017.
10. A. M. Crisan, **A. Marțian**, R. Cacoveanu, D. Coltuc, "Angle-of-Arrival Estimation in Formation Flying Satellites: Concept and Demonstration," in IEEE Access, vol. 7, pp. 114116-114130, 2019, DOI: 10.1109/ACCESS.2019.2935620, Accession Number: WOS:000483022100060, ISSN: 2169-3536 (Cotată ISI-Q1 în categoria Telecommunications, FI: 4,098)

Posters/Presentations

1. **A. Marțian**, R. Crăciunescu, B.T. Sandu, O. Fratu, "UHF Broadcasting in Romania", 3rd IEEE BTSGOLD WORKSHOP, 19-20 May 2014, Brașov, România.
2. **A. Marțian**, R. Crăciunescu, A. Vulpe, O. Fratu, "Access to RF White Spaces in Romania: Present and Future", 3rd Annual CTIF-SEE Meeting, 11-12 September 2014, Bucharest, Romania.
3. **A. Marțian**, Prototyping of a system for synchronization, positioning and communication of two satellites that fly in formation, NIDays, October 2016, Bucharest, Romania
4. A. Rusu-Casandra, A. Paun, B. Mocanu, R. Tapu, A. Martian, C. Stanciu, R. Badea, "Comparison of software-defined Galileo E1 receiver architectures", 6th International Colloquium - Scientific and Fundamental Aspects of GNSS / Galileo, 25-27 October 2017, Valencia, Spain.

Projects

1. "Cognitive Radio Technology and the efficient use of RF spectrum," CNCSIS-UEFISCSU research project, PN-II-IDEI, no. 116/01.10.2007, project manager Ion Marghescu (2007-2010);
2. "Evolution, implementation and transition arrangements for DVB digital broadcasting in terms of efficient use of the frequency spectrum (DVB)," Reference Terms contract no. 106/08.08.2011, project manager Octavian Fratu (2011-2014).
3. "New convolutional coding schemes with reduced complexity operating over higher order Galois fields for channel error correction," CNCSIS-UEFISCSU research project, PN-II-RU-TE, no. 18/12.08.2010, project manager Călin Vlădeanu (2010-2013);
4. "Hybrid wireless access system with unique addressing (SAWHAU)," PNCDI II Partnerships research project no. 12-126/01.10.2008, project manager Octavian Fratu (2008-2011);
5. "Detection systems for cosmic radiation using new technologies (DETCOS)," UEFISCDI PNCDI II contract no. 82-104/01.10.2008, project manager Octavian Fratu (2008-2011);
6. "eWall for Active Long Living (eWALL)," FP7 project nr. 610658, financed by the European Commission, project manager Ramjee Prasad (2013-2016).
7. "Scalable Radio Transceiver for Instrumental Wireless Sensor Networks (SaRaT-IWSN)," PCCA UEFISCDI research project, project manager Simona Halunga (2012-2016);
8. "Advanced antennas for space communications (ADANSPACE)," CDI research project no. 240-2013 financed by the Romanian Space Agency (ROSA), project manager Mihai Banciu (2013-2016).
9. "Modeling hybrid communication-navigation systems for formation flying satellites (HybridNAVCOM)," CDI research project no. 363-2013 financed by the Romanian Space Agency (ROSA), project manager Remus Cacoveanu (2014-2016).
10. "Galileo Vector Processing for Difficult Signal Conditions (GavPro)," ESA EGEP programme, project manager Alexandru Rusu (2015-2016).
11. "Platforma Software integrata pentru analiza malware a terminalelor mobile (ToR-SIM)" - contract PN3 tip "Solutii" nr. 5Sol/2017, project manager Octavian Fratu (2017-2020);
12. "System for RF spectrum detection (DET-RF)," UPB-GEX-2017 research project no. 34/2017, project manager **Alexandru Marțian** (2017-2018).
13. "Sistem informatic integrat pentru managementul activităților (SIIMA)," Contract nr.8Sol/2018, UEFISCDI Solutions project, project manager Octavian Fratu (2018-2021);
14. "Platforma de sisteme inteligente multiagent pentru monitorizarea calitatii apei pe sectorul romanesc al Dunarii si Deltei Dunarii (MultiMonD2)," Contract nr. 33PCCDI/2018, CDI UEFISCDI Project, project manager Octavian Fratu (2018-2020);
15. "SISTEM de TELEMETRIE pentru AGRICULTURA INTELIGENTĂ (SmartAgro)", proiect POC 2014-2020 "Ecosistem de cercetare, inovare și dezvoltare de produse și servicii TIC pentru o societate conectată la Internet of Things – NETIO", proiect manager Ioana Marcu (2018-2020);
16. "Sistem de evaluare a gradului de utilizare a spectrului RF în vederea introducerii rețelelor 5G (Spectrum-5G)", Proiect UEFISCDI, PN-III P1-1.1-PD-2016, no. PD154/10.10.2018, project manager **Alexandru Marțian** (2018-2020).

Conference proceedings
(selection)

1. **A. Marțian**, I. Marcu, I. Marghescu, "Analysis of Frequency Spectrum Usage from a Cognitive Radio Perspective", in Proc. 6th Advanced International Conference on Telecommunications, AICT 2010, ISBN 978-1-4244-6748-8, Barcelona, Spain, May 2010, pp 25-29.
2. **A. Marțian**, A. Achim, O. Fratu, I. Marghescu, "Spectrum Occupancy in an Urban Environment: A Cognitive Radio Approach", in Proc. 3rd International Workshop on Cognitive Radio and Advanced Spectrum Management, COGART 2010, ISBN 978-1-4244-8131-6, Rome, Italy, November 2010.
3. O. Fratu, S. Halunga, C. Perju, **A. Marțian**, I. M. Marcu, "On the Availability of CDMA Channels for Secondary Users", in Proc. 3rd International Workshop on Cognitive Radio and Advanced Spectrum Management, COGART 2010, ISBN 978-1-4244-8131-6, Rome, Italy, November 2010.
4. A.F. Păun, C. Vlădeanu, I. Marghescu, S. El Assad, **A. Marțian**, "On the QAM Parallel Turbo-TCM Schemes using Recursive Convolutional GF(2N) Encoders", in Proc. 18th European Signal Proc. Conf., EUSIPCO 2010, Aalborg, Denmark, August 2010.
5. C. Vlădeanu, **A. Marțian**, S. El Assad, "EXIT Charts Analysis for Turbo-TCM Schemes Using Non-Binary RSC Encoders", in Proc. 8th Advanced International Conference on Telecommunications (AICT 2012), Stuttgart, Germany, May 2012, pp. 150-155, ISBN: 978-1-61208-199-1.
6. C. Vlădeanu, **A. Marțian**, A.F. Păun, S. El Assad, "A New ML Detector for Trellis-Coded Spatial Modulation Using Hard and Soft Estimates", in Proc. 10th International Symposium on Electronics and Telecommunications (ISETC12), Timișoara, November 2012, pp. 143-147, ISBN: 978-1-4673-1175-5.
7. E. Zainea, **A. Marțian**, I. Marcu, O. Fratu, "Transition from Analog to Digital Broadcasting: A spectral efficiency review", in Proc. 10th International Symposium on Electronics and Telecommunications (ISETC12), Timișoara, November 2012, pp. 171-175, ISBN: 978-1-4673-1175-5.
8. **A. Marțian**, C. Vlădeanu, O. Fratu, I. Marghescu, S. El Assad, "Spectral Occupancy Measurements in Rural and Urban Environments: Analysis and Comparison", in Proc. 9th Advanced International Conference on Telecommunications, AICT 2013, ISBN 978-1-61208-279-0, Rome, Italy, June 2013, pp 78-83.
9. **A. Marțian**, R. Crăciunescu, A. Vulpe, O. Fratu, I. Marghescu, "Perspectives on Dynamic Spectrum Access Procedures in TV White Spaces", in 16th International Symposium on Wireless Personal Multimedia Communications (WPMC), ISSN 1347-6890, Atlantic City, NJ, USA, June 2013, pp 1-5.
10. **A. Marțian**, L. Petrică, O. Radu, "Cognitive radio testing framework based on USRP", in Proc. 21st Telecommunications Forum (TELFOR) 2013, ISBN 978-1-4799-1419-7, INSPEC 14044037, Belgrade, Serbia, November 2013, pp.212-215.
11. G. Suci, C. Voicu, G. Todoran, **A. Marțian**, S. Halunga, C. Butca, "Network Cloud simulator for modelling trust in Cognitive Radio applications", in Proc. 21st Telecommunications Forum (TELFOR) 2013, ISBN 978-1-4799-1419-7, INSPEC 14043991, Belgrade, Serbia, November 2013, pp.345-348. (ISI Web of Knowledge WOS:000349857500081, ISBN:978-1-4799-1420-3, IEEE Xplore)
12. **A. Marțian**, "Real-time Spectrum Sensor based on USRP", in Proc. 10th International Conference on Communications COMM2014, Bucharest, Romania, May 2014, pp 429-432.
13. V.C. Stanciu, **A. Marțian**, C. Socoteanu, I. Marghescu, "Data Collection for Spectrum Sensing Algorithms based on USRP", in Proc. 10th International Conference on Communications COMM2014, Bucharest, Romania, May 2014, pp 403-406.
14. **A. Marțian**, B.T. Sandu, O. Fratu, I. Marghescu, R. Crăciunescu, "Spectrum Sensing based on Spectral Correlation for Cognitive Radio Systems", in Proc. Global Wireless Summit WirelessVitae2014, Aalborg, Denmark, May 2014, pp.1-4.
15. C.V. Năstase, **A. Marțian**, C. Vlădeanu, I. Marghescu, "An Accurate Average Energy Detection Algorithm for Spectrum Sensing in Cognitive Radio Systems", in Proc. 11th International Symposium on Electronics and Telecommunications (ISETC14), Timișoara, November 2014, pp.131-134.
16. O. Fratu, **A. Marțian**, R. Crăciunescu, A. Vulpe, S. Halunga, P. Lazaridis, Z. Zaharis, S. Kasampalis, "Comparative study of Radio Mobile and ICS Telecom propagation prediction models for DVB-T", in Proc. 10th IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB 2015), Ghent, Belgium, June 2015.
17. E.I. Dobre, **A. Marțian**, C. Vlădeanu, "USRP-based Experimental Platform for Energy Detection in Cognitive Radio Systems", accepted for 11th International Conference on Communications COMM2016, Bucharest, Romania, June 2016.
18. AM. Crișan, **A. Marțian**, R. Cacoveanu, D. Coltuc, "Evaluation of Synchronization Techniques for Inter-Satellite Links", accepted for 11th International Conference on Communications COMM2016, Bucharest, Romania, June 2016.
19. P. Bajenaru, C. Chitu, R. Cacoveanu, A. Crisan, **A. Marțian**, "Design and development of a satellite on-board communication system with navigation capabilities", in Proc.67th International Astronautical Congress, IAC 2016; Guadalajara; Mexico; September 2016, ISSN: 00741795 (Scopus)
20. **A. Marțian**, C. Vlădeanu, "On the Compromise between Delay and Performance of the Three-Event Energy Detection Algorithm in Cognitive Radio Systems" in Proc. 12th International Symposium on Electronics and Telecommunications (ISETC16), Timișoara, October 2016.
21. A. M. Crisan, **A. Marțian** and D. Coltuc, "Relative orientation estimation in formation flying satellites," in Proc. 2017 International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, 2017, pp. 1-4.
22. M. G. Banciu, N. Militaru, A. Martian, I. Nicolaescu, L. Tuta, D. C. Geambasu, L. Nedelcu, L. Trupina, R. Ramer, "Microwave antenna array using new dielectric resonator antenna elements," in Proc. 2017 International Semiconductor Conference (CAS), Sinaia, Romania, 2017, pp. 129-132.
23. **A. Martian**, M. Dambeanu, C. Oprea, C. Vlădeanu and I. Marghescu, "DVB-T2 radio coverage analysis in Romania," in Proc. 25th Telecommunication Forum (TELFOR2017), Belgrade, Serbia, 2017, pp. 1-4. (ISI Web of Knowledge WOS:000427782600039, IEEE Xplore, DOI: 10.1109/TELFOR.2017.8249310).
24. G. Suci, A. Ganaside, L. Bezdedeanu, R. Coanca, S. Secu, C. Nădrag, A. Marțian, "Pesticide Telemetry Using Potentiostat". In: Fratu O., Militaru N., Halunga S. (eds) Future Access Enablers for Ubiquitous and Intelligent Infrastructures. FABULOUS 2017. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 241, 2018, Springer (Springerlink, DOI: https://doi.org/10.1007/978-3-319-92213-3_9)
25. M. J. Ahmad Al Sammarraie, **A. Martian** and C. Vlădeanu, "Adaptive IED Spectrum Sensing Algorithm for Different Duty Cycle Values," 2018 International Conference on Communications (COMM), Bucharest, 2018, pp. 51-54. (IEEE Xplore, doi: 10.1109/ICComm.2018.8484767)

Conference proceedings
(selection)

26. C. Năstase, **A. Marțian**, C. Vlădeanu and I. Marghescu, "Spectrum Sensing Based on Energy Detection Algorithms Using GNU Radio and USRP for Cognitive Radio," 2018 International Conference on Communications (COMM), Bucharest, 2018, pp. 381-384. (IEEE Xplore, doi: 10.1109/ICComm.2018.8484763).
27. A. M. Crisan, **A. Marțian** and D. Coltuc, "Inter-Satellite Radio Frequency Ranging in a Hybrid OFDM Communication-Metrology System", ", in Proc. IEEE 15th Workshop on Positioning, Navigation and Communications (WPNC'18), Bremen, Germany, 2018, pp. 1-5. (ISI Web of Knowledge WOS:000460539800018, IEEE Xplore)
28. M. J. Ahmad Al Sammarraie, **A. Marțian** and C. Vlădeanu, "A Modified 3EED Spectrum Sensing Algorithm Using an Adaptive Decision Threshold", in Proc. 13th International Symposium on Electronics and Telecommunications (ISETC 2018), Timișoara, 2018, pp. 1-4. (ISI Web of Knowledge WOS:000463031500058, IEEE Xplore)
29. **A. Marțian**, C. Vlădeanu and M.J. Ahmad Al Sammarraie, "On the introduction of 5G networks in Romania", in Proc. 14th International Conference on Digital Telecommunications ICDT 2019, ISBN: 978-1-61208-693-4, Valencia, Spain, March 2019, pp 8-11.
30. C. Vlădeanu, M. J. Ahmad Al Sammarraie, **A. Marțian**, "An Amplify-and-Forward Cooperative Spectrum Sensing Algorithm Using Three Secondary Users for Cognitive Radio", in Proc. 14-th International Symposium on Signals, Circuits and Systems. (ISSCS 2019), iulie 2019, Iași, România, pp. 1-4. (IEEE Xplore, DOI: 10.1109/ISSCS.2019.8801814)

Honours and awards

- Best paper award for the paper: **A. Marțian**, C. Vlădeanu, O. Fratu, I. Marghescu, S. El Assad, "Spectral Occupancy Measurements in Rural and Urban Environments: Analysis and Comparison", in Proc. 9th Advanced International Conference on Telecommunications, AICT 2013, ISBN 978-1-61208-279-0, Rome, Italy, June 2013, pp 78-83.

Memberships

- IEEE since 2008
- IEEE Communications Society
- IEEE Broadcasting Technology Society

References

- Prof. Ion Marghescu, Telecommunications Department, Electronics, Telecommunications and Information Technology Faculty, "Politehnica" University of Bucharest, Romania (email: marion@comm.pub.ro)

- Google Scholar profile: <https://scholar.google.com/citations?user=PypCYQAAAAJ&hl=en>

- Research Gate profile: https://www.researchgate.net/profile/Alexandru_Martian2