

**PERSONAL
INFORMATION**

Anamaria RĂDOI

Department of Applied Electronics and Information Engineering
Faculty of Electronics, Telecommunications and Information Technology
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Nationality: Romanian

EDUCATION

2012 – 2015

Doctor in electronics engineering and telecommunications (“Summa cum Laude” distinction)

Department of Applied Electronics and Information Technology, Faculty of Electronics, Telecommunications and Information Technology, Politehnica University of Bucharest with the thesis entitled “*Information Theoretical Methods for Understanding Multi-dimensional Signals: Application to Multispectral and Multitemporal Data Interpretation.*”

funded by the Operational Program Human Resources Development 2007-2013 of the Ministry of European Funds through the Financial Agreement POSDRU/159/1.5/S/134398

2010 – 2012

Master of Science (EPFL Excellence Scholarship)

School of Computer and Communication Sciences (I&C Department), École Polytechnique Fédérale de Lausanne (EPFL), 1007, Lausanne, Switzerland

- Specialisation: communication systems
- Main subjects: Information Theory and Coding, Image Processing, Advanced Signal Processing, Advanced Digital Communications, Mobile Communications, Advanced Probabilities, Machine Learning.

2006 – 2010

Bachelor of Science (Valedictorian, overall grade 10.00, Excellence Scholarship)

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

- Specialisation: Network and software for telecommunications
- Main subjects: Information Theory, Signal, Circuits and Systems, Digital Communications, Telecommunication Networking, LTE, Microprocessors Architecture, Microcontrollers Architecture, Electronic Devices.
- CISCO Certificate - CCNA Module 1 (October – December 2009).

2002 – 2006

Baccalaureate Diploma

National College Mihai Viteazul, Bucharest, Romania.

**RESEARCH AND
WORK
EXPERIENCE**

2019 - present

Associate Professor

Department of Applied Electronics and Information Engineering, Faculty of Electronics, Telecommunications and Information Technology, Politehnica University of Bucharest
Bd-ul Iuliu Maniu, Nr. 1-3, Sector 6. 061071, Bucharest, Romania

- Educational activities: preparing and developing courses, laboratories and exercise sessions for Information Theory, Telecommunications Fundamentals, Image Analysis and Processing
- Member of the Department Council (2020 - present), Faculty Council (2020 – present)
- Coordination of 28 Bachelor Diploma projects, 8 Master Dissertation projects, coordination of students participating in Student Scientific Sessions



1st prize – Faculty of Aerospace Engineering 2017,
 2nd prize – Fac. of Electronics, Telecommunications and Information Technology TST 2017, 2nd prize – Fac. of Electronics, Telecommunications and Information Technology CTI 2017, mention – Fac. of Electronics, Telecommunications and Information Technology 2017, mention – Faculty of Aerospace Engineering 2018

- Member in the Advisory Committee of 6 PhD students
- Member of the Department Council (2016 – present)
- Member of the Faculty Council (2020 – present)
- Member in the Scientific Council of Research Centre CAMPUS (2020-present)

2016 – 2019 Assistant Professor

Department of Applied Electronics and Information Engineering, Faculty of Electronics, Telecommunications and Information Technology, Politehnica University of Bucharest
 Bd-ul Iuliu Maniu, Nr. 1-3, Sector 6, 061071, Bucharest, Romania

- Educational activities: preparing and developing courses, laboratories and exercise sessions for Information Theory, Telecommunications Fundamentals, Image Analysis and Processing, Computer Programming (C, C++, Java), Data Structures and Algorithms, Electronics.
- Member of the Department Council (2016 – 2020)

2016 – present Research Member

Research Centre CAMPUS, Politehnica University of Bucharest
 Splaiul Independentei nr. 313, sector 6, Bucharest, Romania, Postal code: RO-060042

- Research activities:
 - Oct. 2020 - Present: director of MDM-SITS (Multimodal Data Mining in Satellite Image Time Series for Earth Observation), funded by UEFISCDI
 - September 2017 – September 2018: director NEST project (Analiza nesupervizata a evolutiilor temporale), UPB GEX 32/2017
 - October 2019 - December 2019 : member & team coordinator in "RISC V-based hardware-software system for Machine Learning Applications" R&D project (funded by NXP Romania)
 - October 2017 – Present: member UAV project (Platforme UAV (vehicule aeriene fără pilot uman) cu capabilități dedicate și infrastructură suport, pentru aplicații în misiuni de securitate națională, PN-III-P2-2.1-SOL-2016-02-0001, 1 SOL/2017)
 - May 2017 – Present: member SPIA-VA project (*Sisteme și Platformă Inteligentă de Analiză Video și Audio*, PN-III-P2-2.1-SOL-2016-02-0002, 2 SOL/2017)
- Research interests: Data analysis, Image Processing, Signal Processing, Machine Learning, Intelligent Systems

2013 – 2017 Research Member

CeoSpaceTech, Research Center for Spatial Information, Politehnica University of Bucharest, No. 7 Gheorghe Polizu str., Building P, 1st. floor, Postal Code: 011061, Sector 1, Bucharest

- Research activities:
 - Feb. 2015 – Feb. 2017: member and key-person in DAMATS project (*Data Mining For Analysis and Exploitation of Next Generation of Time Series*, European Space Agency project in consortium with Terrasigna Romania company and EOX Austria company)
 - Feb. 2015 – Oct. 2016: member in OSIRIDE project (*Open Source Image Retrieval - Integration of Developed Tools*, European Space Agency project in consortium with Terrasigna Romania company)
 - Jan. 2014 – Sept. 2015: member in LEO-SITS project (*Long-Term Exploitation of Satellite Image Time Series*, C1 Star Project under the Romanian Space Agency, ID 187)
 - Sept. 2013 – Sept. 2015: member in Thz-Imaging project (C1 Star Project under the Romanian Space Agency, joint with National Institute for Laser, Plasma and Radiation)

Physics INFLP, ID 153)

- Research interests: Information Theory, Coding Theory, Image Processing, Signal Processing, Machine Learning, Remote Sensing, Cryptography, Computer Vision, Emergent Technologies like Quantum Information processing.

Feb. – April 2015 Phd. Intern

German Aerospace Center (Remote Sensing Technology, Institute Photogrammetry and Image Analysis, DLR), Oberpfaffenhofen, Weßling, Germany.

2013 - 2016 Teaching Assistant

Department of Applied Electronics and Information Engineering, Faculty of Electronics, Telecommunications and Information Technology, Politehnica University of Bucharest Bd-ul Iuliu Maniu, Nr. 1-3, Sector 6, 061071, Bucharest, Romania

- Educational activities: preparing and developing laboratories and exercise sessions for Information Theory, Electronics, Computer Programming.
- Research activities: machine learning, remote sensing, time series analysis, change detection

2012 – 2013 Research Assistant

School of Computer and Communication Sciences (I&C Department), École Polytechnique Fédérale de Lausanne (EPFL), 1007, Lausanne, Switzerland

- Educational activities: preparing exercise sessions for Analyse Complexe (french).
- Research activities: member in a Computer Vision project (pedestrian and object recognition).

July – Sept. 2011 Summer Intern

German Aerospace Center (Remote Sensing Technology, Institute Photogrammetry and Image Analysis, DLR), Oberpfaffenhofen, Weßling, Germany.

July – Sept. 2008 Summer Intern

ON Semiconductor, Bucharest, Romania.

July – Sept. 2007 Summer Intern

Catalyst Semiconductor, Bucharest, Romania.

**CONFERENCE
CHAIR/CO-CHAIR/
Technical Program
Committee**

- Organizer of Special Session on Multimodal Signal Processing and Classification @ TSP 2020, IEEE International conference on Telecommunications and Signal Processing, online event
- Organizer & chair @ SpeD 2019, IEEE 10th Conference on Speech Technology and Human-Computer Dialogue
- Organizer & chair of Special Session SS3: Special Session on Signal Processing and Classification for Building Intelligent Recognition Systems @ TSP 2019, IEEE International Conference on Telecommunications and Signal Processing, Budapest, Hungary, July 2019
- Organizer & chair of Special Session SS4 - Special Session on Multivariate Data Analysis and Knowledge Discovery - From Theory to Applications @ TSP 2018, IEEE International Conference on Telecommunications and Signal Processing, Athens, Greece, July 2018
- Organizer Special Session on Image Information Mining @ COMM 2016, 11th International Conference on Communications, Bucharest, Romania, June 2016

REVIEWER IEEE Transactions on Geoscience and Remote Sensing

IEEE Transactions of Computational Imaging
 IEEE Geoscience and Remote Sensing Magazine
 IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
 IEEE Geoscience and Remote Sensing Letters
 IEEE Access
 IEEE IET Image Processing
 IEEE Electronic Letters
 MDPI ISPRS International Journal of Geo-Information
 MDPI Electronics
 UPB Scientific Bulletin
 Revue Roumaine de Science Technique
 SpeD
 TSP, IEEE International Conference on Telecommunications and Signal Processing
 COMM, IEEE International Conference on Communications, Bucharest, Romania
 ISFEE, IEEE International Symposium on Fundamentals of Electrical Engineering, Bucharest, Romania

EDITORIAL BOARD

UPB Scientific Bulletin - Series C

EXPERT MEMBER COMMITTEE

- Technical Expert - Evaluator for the Horizon 2020 Program (2017 – Present)

MEMBERSHIP

- IEEE member (2010 – present)
- EURASIP member (2015 – present)

HONOURS AND AWARDS

- 2015: Summa cum Laude distinction for Phd. Studies
- 2015: UEFISCDI prize (Red Section – High Impact Factor, grant PN-II-RU-PRECISI-2015-9-10431) for the article:
 A. Rădoi, M. Datcu, „Automatic Change Analysis in Satellite Images Using Binary Descriptors and Lloyd-Max Quantization,” IEEE Geoscience and Remote Sensing Letters , vol. 12, no. 6, pp.1223-1227, June 2015, ISSN: 1545-598X, eISSN: 1558-0571, WOS:000352571800013. (**ISI Web of Science Core Collection, Impact Factor: 2.095**).
- Best paper award TSP 2020
- 2010 – 2012 : Excellence Scholarship awarded by EPFL
- November 2011: Certificate of Scholarship for Master Studies, EPFL
- July 2010: Merit Diploma awarded by Politehnica University of Bucharest to students that graduate on the first place.
- 2006 – 2010: Excellence Scholarship awarded by Politehnica University of Bucharest
- 2009: CNCSIS prize (grant PN-II-ID-PCE-2008 – 2, code ID_1693) for the article:
 A. Rădoi, V. Lăzărescu, A. Florescu, „Wavelet Analysis To Detect The Knock On Internal Combustion Engines”, Revue Romaine Des Sciences Techniques, ISSN 0035 – 4066, Tome 54, Issue 3, p. 301– 310, Bucharest, 2009, WOS:000269812800008 (**ISI Web of Science Core Collection, Impact Factor: 0.33**)
- May 2008: Diploma of Merit and medal with the occasion of Student Scientific Conference “Traian Lalescu” received from the Foundation “Traian Lalescu”.

ADDITIONAL COURSES

- POSDRU formation course for Quality Assurance in Universities ARACIS
- 6th ESA Advanced Training Course on Land Remote Sensing, 14 – 18 September 2015, Bucharest, Romania.
- NATO Lecture Series SET-191-2014 in Radar and SAR Systems for airborne and space-based surveillance and reconnaissance, 10 – 11 Noiembrie 2014, Bucharest, Romania.
- Summer School, Introduction to Quantum Information and Technologies, 2 – 4 July 2014, Bucharest, Romania.
- CUSO Winter School, December 2015, Lenk, Switzerland

PERSONAL SKILLS

Mother tongue Other Languages	Romanian		SPEAKING		WRITING
	UNDERSTADING		Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1 Cambridge Advanced Certificate in English & Master studies in English at EPFL (2 years)
French	C1	C1	C1	B2	B2 B2 – C1 language certificate (EPFL Language Centre)

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

OTHER SKILLS

Organisational /
Communicational /
Managerial skills

- leadership skills (project director, coordination of Bachelor and Master students)
- good management of time
- high level of concentration
- goal oriented and perseverance
- analytical and critical way of thinking.

Computer and
Technical Skills

- Text editors: LaTeX, Microsoft Office™
- Programming Languages: Python, Matlab, C, C++, Java, Mathematica
- Geospatial Software: ENVI, NEST
- Network Analytics: GNS3, Cisco Exploration CCNA Packet Tracer
- Simulation of Electrical and Microwave Circuits: Ansoft Designer, Pspice
- Operating systems: DOS, LINUX (basic commands)
- Assembly language: Intel microprocessor programming

RESEARCH RESULTS

Publications in
Journals / Book
chapters

1. N. C. Ristea, A. Radoi, "Complex Neural Networks for Estimating Epicentral Distance, Depth, and Magnitude of Seismic Waves", IEEE Geoscience and Remote Sensing Letters
2. A. Radoi, M. Dateu, "Multilabel Annotation of Multispectral Remote Sensing Images using Error-Correcting Output Codes and Most Ambiguous Examples ", IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol. 12, no. 7, pp. 2121-2134, July 2019, doi: 10.1109/JSTARS.2019.2916838 (ISI Q1, IF: 3.827)
3. A. Rădoi, C. Burileanu, "Retrieval of Similar Evolution Patterns from Satellite Image Time Series", MDPI Applied Sciences, Vol. 8, 2018, <https://doi.org/10.3390/app8122435> (ISI Q2, IF 2.474)
4. A. Rădoi, „Unsupervised Change Detection In Multispectral Satellite Images Using Optimal Thresholding Techniques, ” Scientific Bulletin of UPB, Series C - Electrical Engineering, Vol. 79, Iss. 3, pp. 45-58, ISSN 2286-3540, Sept. 2017; WOS:000411060700004
5. A. Rădoi, M. Dateu, „Automatic Change Analysis in Satellite Images Using Binary Descriptors and Lloyd-Max Quantization," IEEE Geoscience and Remote Sensing Letters , vol. 12, no. 6, pp.1223-1227, June 2015, ISSN: 1545-598X, eISSN: 1558-0571, WOS:000352571800013. (ISI Q1, Impact Factor: 3.833).
*This article was awarded by UEFISCDI (Red Section – High Impact Factor) in December 2015 under the competition PRECISI (PN-II-RU-PRECISI-2015-9-10431).
6. A. Rădoi, D. A. Stoichescu, „Pedestrian and Object Detection Using Learned Convolutional Filters”, Scientific Bulletin of UPB, Series C - Electrical Engineering, Vol. 77, Iss. 2, pp. 161 – 172, ISSN 2286-3540, June 2015
7. S. Segăreanu, T. Zaharia, A. Rădoi, „Speaker Verification Using GMM Modelling”, Scientific Bulletin of UPB, Series C - Electrical Engineering , Vol. 76, No. 2, pp. 117 – 130, ISSN 2286 – 3540, 2014.
8. A. Savu, A. Rădoi, A. Florescu, „Transformer Analysis for Wireless Power DC-DC Converters”, International Review of Electrical Engineering (IREE), Praise Worthy Prize Ed., ISSN 1827-6679, Vol. 9, No. 1, pp. 26 – 35, 2014.
9. A. Savu, A. Florescu, A. Rădoi, M. Teodorescu, „A Novel Approach in Designing an Integrated

Transformer LLC Resonant Converter”, International Review of Electrical Engineering (IREE), Praise Worthy Prize Ed., ISSN 1827 - 6660, Vol. 8, No. 2, pp. 586-594, 2013.

10. A. Florescu, C. Oros and **A. Rădoi**, „Engine Knock Detection Based on Computational Intelligence Methods”, „Fuzzy Logic - Algorithms, Techniques and Implementations”, Prof. Elmer Dadios (Ed.), ISBN: 978-953-51-0393-6, InTech, DOI: 10.5772/37726, 2012.

11. A. Florescu, C. Oros, **A. Rădoi**, „Comparison Among Computational Intelligence Methods For Engine Knock Detection”, Revue Romaine Des Sciences Techniques, ISSN 0035-4066, Tome 57, No. 1, p. 80 - 89, Bucharest, 2012, WOS:000303096800009. (Impact Factor: 1.114)

12. **A. Rădoi**, V. Lăzărescu, A. Florescu, „Wavelet Analysis To Detect The Knock On Internal Combustion Engines”, Revue Romaine Des Sciences Techniques, ISSN 0035 - 4066, Tome 54, Issue 3, p. 301- 310, Bucharest, 2009, WOS:000269812800008 (Impact Factor: 1.114)

* This article was awarded by CNCSIS 2009 (Blue Section) and was written under the research grant CNCSIS-UPB PN-II-ID-PCE-2008 - 2, code ID_1693.

Conferences

1. C. Andronache, M. Negru, A. Neacsu, G. Cioroiu, A. Radoi and C. Burileanu, "Towards extending real-time EMG-based gesture recognition system," 2020 43rd International Conference on Telecommunications and Signal Processing (TSP), Milan, Italy, 2020, pp. 301-304, doi: 10.1109/TSP49548.2020.9163481.
2. A. Birhala, N. C. Ristea, A. Radoi and L. C. Dutu, "Temporal aggregation of audio-visual modalities for emotion recognition," 2020 43rd International Conference on Telecommunications and Signal Processing (TSP), Milan, Italy, 2020, pp. 305-308, doi: 10.1109/TSP49548.2020.9163474.
3. M. Barbu, A. Radoi and G. Suciuc, "Landslide Monitoring using Convolutional Autoencoders," 2020 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Bucharest, Romania, 2020, pp. 1-6, doi: 10.1109/ECAI50035.2020.9223121.
4. N. Ristea, L. C. Duțu and **A. Radoi**, "Emotion Recognition System from Speech and Visual Information based on Convolutional Neural Networks," 2019 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), Timisoara, Romania, 2019, pp. 1-6, doi: 10.1109/SPEd.2019.8906538.
5. A. Neacsu, G. Cioroiu, **A. Radoi**, C. Burileanu, Automatic EMG-based Hand Gesture Recognition System using Time-Domain Descriptors and Fully-Connected Neural Networks, 42nd International Conference on Telecommunications and Signal Processing (TSP), 2019, pp. 232-235, ISBN:978-1-7281-1864-2, WOS:000493442800051
6. **A. Rădoi**, M. Dateu, "Bag-of-Visual Words and Error-Correcting Output Codes for Multilabel Classification of Remote Sensing Images", International Geoscience and Remote Sensing Symposium IGARSS 2018, Valencia, Spain, 2018, pp. 6955-6958, doi: 10.1109/IGARSS.2018.8519432, WOS:000451039806176
7. **A. Rădoi** and C. Burileanu, "Query-by-Example Retrieval in Satellite Image Time Series," 2018 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 2018, pp. 1-5, doi: 10.1109/TSP.2018.8441223, EISBN: 978-1-5386-4695-3, WOS:000454845100176
8. **A. Rădoi**, "Semantic Segmentation of RGB-NIR Images with Error-Correcting Output Codes," 2018 International Conference on Communications (COMM), Bucharest, Romania, 2018, pp. 135-138, doi: 10.1109/ICComm.2018.8430118, WOS:000449526000024
9. **A. Rădoi** and C. Burileanu, "Infant Cry Classification Using Compression-Based Similarity Metric," 2018 International Conference on Communications (COMM), Bucharest, 2018, pp. 67-70, doi: 10.1109/ICComm.2018.8453632, WOS:000449526000011
10. **A. Rădoi** and C. Burileanu, "Query-by-Example Retrieval in Satellite Image Time Series," 2018 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 2018, pp. 1-5, doi: 10.1109/TSP.2018.8441223
11. A. Gaiță, G. Nicolae, **A. Rădoi** and C. Burileanu, "Chainsaw Sound Detection Based on Spectral Haar Coefficients," 2018 International Symposium ELMAR, Zadar, Croatia, 2018, pp. 139-142. doi: 10.23919/ELMAR.2018.8534594
12. G. Nicolae, A. Gaiță, **A. Rădoi** and C. Burileanu, "A Method for Chainsaw Sound Detection Based on Haar-like Features," 2018 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 2018, pp. 1-5, doi: 10.1109/TSP.2018.8441379
13. AC. Grivei, **A. Rădoi**, M. Dateu, "Land Cover Change Detection in Satellite Image Time Series Using an Active Learning Method," IEEE 9th International Workshop on the Analysis of Multitemporal Remote Sensing Images (Multi-Temp), pp.1-4, Bruges, Belgium, 2017, WOS:000427092400017

14. RM. Coliban, **A. Rădoi**, M. Ivanovici, "A color and multispectral fractal model for forest region identification in satellite images", IEEE International Conference on Communications (COMM), pp. 377-380, 2016, WOS:000383221900079
15. AC. Grivei, **A. Rădoi**, C. Văduva, M. Dateu, "An Active-Learning approach to the query by example retrieval in remote sensing images", IEEE International Conference on Communications (COMM), pp. 377-380, 2016, WOS:000383221900078
16. **A. Rădoi**, M. Dateu, "Spatio-Temporal Characterization in Satellite Image Time Series," IEEE 8th International Workshop on the Analysis of Multitemporal Remote Sensing Images (Multi-Temp), pp.1-4, doi: 10.1109/Multi-Temp.2015.7245805, Annecy, France, 2015, WOS:000380400100060
17. **A. Rădoi**, Radu Tanase and Mihai Dateu,, "Semantic Interpretation of Multi-level Change Detection in Multi-Temporal Satellite Images", International Geoscience and Remote Sensing Symposium IGARSS 2015, pp. 4157 – 4160, Milano, Italy, 2015, ISBN:978-1-4799-7929-5, ISSN: 2153-6996, WOS:000371696704060
18. R. Tănase, **A. Rădoi**, M. Dateu, D. Răducanu, "Polarimetric SAR Data Feature Selection Using Measures of Mutual Information", International Geoscience and Remote Sensing Symposium IGARSS 2015, pp. 1140 – 1143, Milano, Italy, 2015, ISBN:978-1-4799-7929-5, ISSN: 2153-6996, WOS:000371696701065
19. **A. Rădoi**, M. Dateu, „SAR Imagery from the Perspective of Multiscale Chirplet Transform”, EUSAR 2012, 9th European Conference on Synthetic Aperture Radar, Nuremberg, Germany, 2012.
20. A. Florescu, **A. Rădoi**, C. Rădoi, D. N. Vizireanu, “Three Dual Switching Power Supplies Modules”, CAS 2008 Proceedings, International Semiconductor Conference, 31st Edition, vol. 2, pp. 331 – 334, ISBN 978-1-4244-2004-9, Sinaia, Romania, 2008, WOS:000267590800068.

Didactic Material

1. **A. Rădoi**, "Information theory and coding : from theory to applications.", Ed. Matrix Rom, 164 pag., Bucharest, Romania, 2018, ISBN 978-606-25-0433-5 [Cod CNCIS: 39]
2. **A. Rădoi**, B. C. Florea, D. A. Stoichescu, Teoria Transmisiunii Informatiei – Indrumar de laborator, PRINTECH Publishing House, Bucharest, Romania, ISBN 978-606-23-0279-5, 2014
3. B. C. Florea, **A. Rădoi**, D. A. Stoichescu, Information Transmission Theory – Laboratory, PRINTECH Publishing House, Bucharest, Romania, ISBN 978-606-23-0297-9, 2014

Unindexed Material

1. R. Tănase, **A. Rădoi**, C. Văduva and M. Dateu, "An Assessment of Similarity Measures for CBIR Systems", Proceedings of the 2016 conference on Big Data from Space (BiDS 2016); Publications Office of the European Union, ISBN 978-92-79-56980-7, ISSN 1831-9424, DOI:10.2788/854791, Tenerife, Spain
2. **A. Rădoi**, R. Tanase and M. Dateu, "Change Maps for Pairs Of Images Extracted From Satellite Image Time Series", Proceedings of the 2014 conference on Big Data from Space (BiDS 2014); Publications Office of the European Union, ISBN 978-92-79-43252-1, ISSN 1831-9424, DOI: 10.2788/182, 2014::11, pp. 132 – 135, Frascati, Italy
3. R. Tănase, **A. Rădoi**, F. A. Georgescu, M. Dateu and D. Raducanu, "Using Biquaternions Algebra And Joint Time Frequency Analysis Towards A New Polsar Data Indexing Method", Proceedings of the 2014 conference on Big Data from Space (BiDS 2014); Publications Office of the European Union, ISBN 978-92-79-43252-1, ISSN 1831-9424, DOI: 10.2788/1823, 2014::11, pp. 50 – 53, Frascati, Italy
4. **A. Rădoi**, M. Dateu, „Learned Atoms from Multi-spectral Satellite Image Time Series”, ESA-EUSC-JRC Conference Proceedings - 9th Conference on Image Information Mining Conference: The Sentinels Era, pp. 71 – 75, ISBN 978-92-79-36160-9, ISSN 1831-9424, DOI 10.2788/25852, Bucharest, Romania, 2014.
5. **A. Rădoi**, V. Lăzărescu, A. Florescu, „Wavelet Analysis To Detect The Knock On Internal Combustion Engines”, National Symposium of Theoretical Electrotechnique, SNET 2008, ISBN 978-606-521-045-5, pp. 335 – 340, Bucharest, Romania, 2008.