

Miloš Brajović

Curriculum vitae/biography and publication list

Personal data:

Name: **Miloš Brajović**
Address: Dz. Vasingtona, 81000 Podgorica, Montenegro
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Email: milosb@ucg.ac.me
Web: <https://www.ucg.ac.me/radnik/135018-milos-brajovic>
https://www.tfsa.me/milosb_papers.html
Date of birth: May 24, 1988
Citizenship: Montenegro
Institution: Faculty of Electrical Engineering, University of Montenegro

Education:

2014 – 2019: Ph.D. student at the Faculty of Electrical Engineering, University of Montenegro.
2011 – 2013: M.Sc. student at the Faculty of Electrical Engineering, University of Montenegro
2007 – 2011: B.Sc. student at the Faculty of Electrical Engineering (Electronics, Telecommunications, and Computer Sciences), and Specialist studies in Computer Science at the same faculty.

Work experience:

2024 – present: **Head of the Applied Computer Engineering Study Program**

2022 – present: **Assistant Professor**, University of Montenegro

Courses taught: Faculty of Electrical Engineering, University of Montenegro

- Digital Signal Processing
- Stochastic Processes
- Heuristic Optimization Methods
- Programming Language I
- Software Engineering
- Database systems (advanced course),
- Software development tools

Maritime Faculty

- Electronic Navigation Devices,
- Maritime Computer Engineering (two courses on two study programs);

Faculty of Machine Engineering

- Algorithms and Programming.

2011 – 2022: Teaching Assistant at the Faculty of Electrical Engineering, University of Montenegro

Courses taught: Faculty of Electrical Engineering, University of Montenegro

- Digital Signal Processing, Signals and Systems,
- Adaptive Discrete Systems and Neural Networks,
- Databases, Expert Systems,
- Basics of Computer Engineering II (two courses on two study programs),
- Operating Systems, Internet technologies,
- Administration of computer systems,
- Mathematics in Computer Science (advanced course),
- Software Engineering;
- Database systems (advanced course),
- Software development tools

Faculty for Sport and Physical Education, University of Montenegro

- Introduction to Informatics and Computer Engineering,
- Applied Informatics, Informatics and Computer Engineering,
- Information Technologies in Sport;

Maritime Faculty

- Electronic Navigation Devices,
- Maritime Computer Engineering (two courses on two study programs);

Faculty of Machine Engineering

- Algorithms and Programming.

Awards:

- 2007: “Luča” Diploma and “Tomo Dragović” award as the best student of generation in high school “Petar I Petrović Njegoš” – Danilovgrad
- 2018: The Award for Outstanding Young Scientist under 30 from the Ministry of Science of Montenegro, 2018
- 2018: Award of the University of Montenegro for scientific accomplishments in the area of engineering and number of published papers in 2018
- 2020: Montenegrin Academy of Sciences and Arts – award for outstanding scientific accomplishments for young scientists under age of 35.
- 2021: Award of the University of Montenegro for outstanding results and achievements relevant for the promotion of science at the Faculty of Electrical Engineering.
- 2022: Danubius Young Scientist Award, received from the Austrian Federal Ministry for Education, Science and Research (BMBFW) and the Institute for Danube Region and Central Europe (IDM)

Short biography:



Miloš Brajović was born on May 24, 1988, in Podgorica, Montenegro. He received the "Luča" diploma for his outstanding results in primary and secondary school and was awarded the "Tomo Dragović" fund for being the best student of his generation in high school.

In 2007, he began his studies at the Faculty of Electrical Engineering, University of Montenegro, specializing in Electronics, Telecommunications, and Computer Engineering. After completing his B.Sc., he pursued Specialist studies in Computer Science, obtaining his Specialist degree in June 2011 with a thesis titled 'Time-frequency analysis and current frequency representation.' He later enrolled in M.Sc. studies in Computer Engineering and defended his master's thesis, '**Recursive calculation of time-frequency representations**,' in October 2013.

In June 2019, he successfully defended his doctoral dissertation, '**Analysis of algorithms for the reconstruction of sparse signals in the Hermitian and Fourier transform domains**,' at the Faculty of Electrical Engineering in Podgorica.

He is a co-author of the scientific monograph '**Data Analytics on Graphs**,' published by Now Publishers, and has authored more than 90 scientific papers, with 25 publications in highly respected SCI/SCIE journals such as **IEEE Transactions on Systems, Man and Cybernetics**, **IEEE Signal Processing Letters**, **Signal Processing**, **Digital Signal Processing**, **IEEE Transactions on Aerospace and Electronic Systems**, and **Signal Processing**. His research spans **graph signal processing**, **compressive sensing**, **time-frequency signal analysis**, and **machine learning**.

Brajović has also contributed as a reviewer for over 35 renowned international journals, including **IEEE Transactions on Signal Processing**, **IEEE Signal Processing Letters**, and others.

He has received multiple national and international awards, including the Outstanding Young Scientist Award of the Ministry of Science of Montenegro (2018), the Montenegrin Academy of Sciences and Arts Award for young researchers (2020), the University of Montenegro Award for scientific achievements (2018, 2021), and the Danubius Young Scientist Award (2022) from the Austrian Federal Ministry of Education, Science and Research.

In 2011, Brajović began working at the Faculty of Electrical Engineering as a Teaching Assistant and was promoted to **Assistant Professor** in May 2022. He has taught more than 24 courses across different faculties of the University of Montenegro. He has participated in several scientific research projects and had a short study stay at the Polytechnic Institute in Grenoble (INP Grenoble), France, in January 2017 during his doctoral studies.

He is a **Senior Member of IEEE**, **IEEE Signal Processing Society**, and **IEEE Computational Intelligence Society**, contributing to the fields of Electrical Engineering and Computer Science. He currently serves as the **President of the Centre of Young Scientists and Artists** at the Montenegrin

Academy of Sciences and Arts and is a member of the **Committee for Information and Communication Technologies** at the Montenegrin Academy of Sciences and Arts.

Google Scholar Profile: <https://scholar.google.com/citations?user=VZSyxoAAAJ&hl=en>

Scopus Profile: <https://www.scopus.com/authid/detail.uri?authorId=55602371200>

Participation in projects:

1. Radarski sistemi sa stohastičkim talasnim oblicima - NOISERADAR (Radar systems with stochastic waveforms - NOISERADAR), national research project, Montenegrin Ministry of Science, 2012-2015 (milos@ac.me)
2. New ICT Compressive sensing-based trends applied to: multimedia, biomedicine and communications - CS-ICT, Montenegrin Ministry of Science, project grant funded by the World Bank loan, 2014-2017 (Grant no. 01-1002), project leader Srdjan Stankovic (srdjan@ac.me)
3. BIO-ICT Centre of Excellence in Montenegro, project for establishing the first center of excellence in Montenegro, Montenegrin Ministry of Science, project grant funded by the World Bank loan, 2014-2015 (Contract No. 01-1001)
4. Compressive Sensing and Super-resolution in the application of surveillance systems based on optical sensors (Compressive Sensing i Superrezolucija u primjenama sistema za nadzor zasnovanih na optičkim senzorima) – bilateral project between Montenegro and Croatia, project leaders Irena Orović (irena@ac.me) and Josip Musić, 2016-2017
5. An Adriatic Network for Advancing Research Development and Innovation towards the Creation of new Policies for Sustainable Competitiveness and Technological Capacity of SMEs, “ADRIATinn” IPA Adriatic Cross-Border Cooperation, 2014-2016, <http://www.adriawealth.eu/project/adriatinn/>
6. Modelovanje analognog sistema obrade signala frakcionog reda (Modeling of analog fractional order signal processing system), bilateral research project between Montenegro and Croatia, Montenegrin leader Budimir Lutovac (budo@ac.me), 2017-2018
7. Kompresivno očitavanje i vremensko-frekvencijska analiza sa primjenama (Compressed sensing and time-frequency analysis with applications), bilateral research project, Montenegro-China, Montenegrin project leader Srdjan Stankovic (srdjan@ac.me)
8. Digitalizacija u Crnoj Gori, Istorijat, stanje i perspective (Digitalization in Montenegro: History, Current State and Perspectives), research project, Montenegrin Academy of Sciences and Arts, 2018-2019, project leader Ljubiša Stanković (ljubisa@ac.me)
9. Nestacionarni signali u automatici i digitalnim sistemima (Non-stationary Signals in Control and Digital Systems), bilateral research project, Montenegro-Serbia, 2019-2020, project leader Budimir Lutovac (budo@ucg.ac.me)
10. A network for Gravitational Waves, Geophysics and Machine Learning (CA17137) – COST action, Action Chair, Dr Elena Cuoco (elena.cuoco@ego-gw.it), Montenegro MCMs Ljubiša Stanković (ljubisa@ucg.ac.me) and Miloš Daković (milos@ucg.ac.me) 2018(2019)-2022.
11. Kompresivno odabiranje signala (Compressive Sensing of Signals), research project, Montenegrin Academy of Sciences and Arts, 2020, project leader Ljubiša Stanković (ljubisa@ucg.ac.me).
12. 3D Virtual Heritage of Montenegro, project is co-funded by EU and the Government of Montenegro, Grant for " Collaborative grant scheme for innovative project ideas", Reference: EuropeAid/162457/ID/ACT/ME, budget line: IPA II - Multi - annual Action Programme for Montenegro on Employment, Education and Social Policies (2015-2017), 2020.
13. Obrada signala i metode vještačke inteligencije na grafovima (Signal Processing and Artificial Intelligence Methods on Graphs), research project, Montenegrin Academy of Sciences and Arts, 2022, project leader Ljubiša Stanković (ljubisa@ucg.ac.me).
14. Metode vještačke inteligencije kroz prizmu obrade signala (Methods of Artificial Intelligence through the Prism of Signal Processing), 2023, project leader Ljubiša Stanković (ljubisa@ucg.ac.me).
15. Data Processing on Graphs, national research project funded by Montenegrin Ministry of Education, Science and Inovations, 2024-2027, project leader Ljubiša Stanković (ljubisa@ucg.ac.me).
16. Furijeova analiza na orijentisanim acikličnim grafovima (Fourier Analysis on Directed Acyclic Graphs), research project, Montenegrin Academy of Sciences and Arts, 2024, project leader Ljubiša Stanković (ljubisa@ac.me).
17. Analysis of flexible electrical energy consumption potential for the establishment of first aggregator in Montenegro, Faculty of Electrical Engineering, University of Montenegro, project financed by Innovation Fund of Montenegro, 2023-2024, project leader Vladan Radulović (vladanra@ac.me).
18. Digital Innovation Hub for supporting the digital transformation of Montenegrin companies and the public sector, project call DIGITAL-2023-EDIH-04-ASSOCIATED. The project leader is Igor Radusinović (igorr@ucg.ac.me).
19. SolarDrone: AI-Driven Drone Thermal Diagnostics of Solar Panels, Proof of Concept project financed by Inovation Fund of Montenegro, 2025-2026, project leader Miloš Brajović (milosb@ucg.ac.me).

Reviewing activities and professional memberships

- **Journal reviewing (selected SCI/SCIE journals):**

1. Signal Processing
2. Digital Signal Processing
3. Journal of Visual Communication and Image Representation
4. Computers & Electrical Engineering
5. Biomedical Signal Processing and Control
6. Mechanical Systems and Signal Processing
7. Multidimensional Systems and Signal Processing
8. IEEE Signal Processing Letters
9. IEEE Transactions on Signal Processing
10. IEEE Transactions on Aerospace and Electronic Systems
11. IEEE Transactions on Geoscience and Remote Sensing
12. IEEE Access
13. IEEE Sensors Journal
14. IEEE Communications Magazine
15. IET Signal Processing
16. IET Image Processing
17. IET Radar, Sonar & Navigation
18. IET Circuits, Devices & Systems
19. Mathematical Problems in Engineering
20. Signal, Image and Video Processing
21. Electronics Letters
22. Journal of the Franklin Institute
23. EURASIP Journal on Advances in Signal Processing
24. Neural Networks
25. CSEE Journal of Power and Energy Systems
26. PLOS ONE
27. Advances in Mathematical Physics
28. Computers, Materials & Continua (CMC)
29. Journal of Mathematics
30. Sensors
31. Applied Sciences
32. Electronics
33. Measurement
34. Microprocessors and Microsystems
35. AEÜ – International Journal of Electronics and Communications

- **Conference service:** He has served as a reviewer and as a program committee member for several national and international conferences.
- **Professional memberships:** Senior Member, IEEE (membership no. 92172587); member of the IEEE Signal Processing Society and the IEEE Computational Intelligence Society.
- **Service to the academy:** Since December 2023, he has served as President of the **Centre** of Young Scientists and Artists at the Montenegrin Academy of Sciences and Arts.
- **Committees:** 2024–present: Member, Committee for Information and Communication Technologies, Montenegrin Academy of Sciences and Arts.

SELECTED FIVE PUBLICATIONS

- [1] LJ. Stanković, M. Daković, A. Bagheri-Bardi, M. Brajović, and I. Stanković, “Fourier Analysis of Signals on Directed Acyclic Graphs Using Graph Zero-Padding,” *Digital Signal Processing*, vol. 159, 2025, 104995.
- [2] I. Stanković, M. Brajović, C. Ioana, M. Daković, D. Mandić, and LJ. Stanković, “Matched Filtering on Directed Graphs,” *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, vol. 54, no. 9, pp. 5857–5861, Sept. 2024.
- [3] LJ. Stanković, D. Mandić, M. Daković, M. Brajović, B. Scalzo-Dees, S. Li, and A. G. Constantinides, *Data Analytics on Graphs*. Now Publishers, Foundations and Trends in Machine Learning, Boston–Delft, 2020, 555 pp., ISBN 978-1680839821
- [4] M. Brajović, I. Orović, M. Beko, and S. Stanković, “Parameter Optimization of Orthogonal Discrete Hermite Transform Formed Using Eigenvectors of a Symmetric Tridiagonal Matrix,” *Digital Signal Processing*, vol. 117, 2021, 103140.
- [5] M. Brajović, I. Orović, M. Daković, and S. Stanković, “Compressive Sensing of Sparse Signals in the Hermite Transform Basis,” *IEEE Transactions on Aerospace and Electronic Systems*, vol. 54, no. 2, pp. 950-967, April 2018.

PUBLICATIONS

Ph.D. Thesis

- [1] M. Brajović, “On Reconstruction Algorithms for Signals Sparse in Hermite and Fourier Domains,” Ph.D. Thesis, June 2019

M.Sc. Thesis

- [2] M. Brajović, “Rekurzivno izračunavanje vremensko-frekvencijskih reprezentacija” (“Recursive calculation of time-frequency representations,”) MSc Thesis, University of Montenegro, Podgorica, November 2013

Books

- [3] LJ. Stanković, D. Mandić, M. Daković, M. Brajović, B. Scalzo-Dees, S. Li, and A.G. Constantinides, *Data Analytics on Graphs*. NOW publishers, February 2021, ISBN-13 : 978-1680839821

Leading International Journals

- [4] LJ. Stanković, M. Daković, A. Bagheri-Bardi, M. Brajović, and I. Stanković, “Fourier Analysis of Signals on Directed Acyclic Graphs (DAG) Using Graph Zero-Padding,” *Digital Signal Processing*, vol. 159, April 2025, 104995.
- [5] I. Stanković, M. Brajović, C. Ioana, M. Daković, D. Mandić, and LJ. Stanković, “Matched Filtering on Directed Graphs,” *IEEE Transactions on Systems, Man and Cybernetics: Systems*, vol. 54, no. 9, pp. 5857-5861, Sept. 2024, doi: 10.1109/TSMC.2024.3407948
- [6] F. Zarei, T. Yazdanpanah, A. Bagheri-Bardi, M. Daković, M. Brajović, and LJ. Stanković, “A Robust Eigenbasis Generation System for the Discrete Fourier Transform,” *Digital Signal Processing*, vol. 155 (2024), 104733, <https://doi.org/10.1016/j.dsp.2024.104733>
- [7] M. Brajović, I. Orović, M. Beko, and S. Stanković, “Reconstruction of Signals with Sparse Representation in Optimally Dilated Hermite Basis,” *Signal, Image and Video Processing*, Vol. 17, pp. 2789-2797, 2023.
- [8] I. Stanković, M. Brajović, J. Lerga, M. Daković, and LJ. Stanković, “Image denoising using RANSAC and compressive sensing,” *Multimedia Tools and Applications*, <https://doi.org/10.1007/s11042-022-13192-5>, 2022
- [9] LJ. Stanković, M. Brajović, I. Stanković, J. Lerga, and M. Daković, “RANSAC-Based Signal Denoising Using Compressive Sensing,” *Circuits, Systems & Signal Processing*, Vol. 40, pp. 3907–3928, 2021. <https://doi.org/10.1007/s00034-021-01654-4>
- [10] LJ. Stanković, M. Brajović, D. Mandić, I. Stanković, and M. Daković, “Improved Coherence Index-Based Bound in Compressive Sensing,” *IEEE Signal Processing Letters*, Vol. 28, 2021, doi: 10.1109/LSP.2021.3084559.
- [11] LJ. Stanković, J. Lerga, D. Mandić, M. Brajović, C. Richard, and M. Daković, “From Time-Frequency to Vertex-Frequency and Back,” *Mathematics*, 9, 1407. <https://doi.org/10.3390/math9121407>, 2021.
- [12] M. Brajović, I. Stanković, J. Lerga, C. Ioana, E. Zdravevski, and M. Daković, “Multivariate Decomposition of Acoustic Signals in Dispersive Channels,” *Mathematics*, 2021, Vol. 9, No. 21, 2796; <https://doi.org/10.3390/math9212796>
- [13] M. Brajović, I. Orović, M. Beko, and S. Stanković, “Parameter Optimization of Orthogonal Discrete Hermite Transform Formed Using Eigenvectors of a Symmetric Tridiagonal Matrix,” *Digital Signal Processing*, Volume 117, October 2021, 103140, doi: <https://doi.org/10.1016/j.dsp.2021.103140>
- [14] LJ. Stanković, D. Mandić, M. Daković, M. Brajović, B. Scalzo-Dees, and Anthony G. Constantinides, “Data Analytics on Graphs – Part I: Graphs and Spectra on Graphs,” *Foundations and Trends in Machine Learning*, Vol. 13: No. 1, 2020, pp 1-157. <http://dx.doi.org/10.1561/22000000078-1>. (Artificial Intelligence Q1, SCImago Journal Rank SJR 5.12)
- [15] LJ. Stanković, D. Mandić, M. Daković, M. Brajović, B. Scalzo-Dees, and Anthony G. Constantinides, “Data Analytics on Graphs – Part II: Data Processing on Graphs,” *Foundations and Trends in Machine Learning*, Vol. 13: No. 2–3, 2020, pp. 158–331.
- [16] LJ. Stanković, D. Mandić, M. Daković, M. Brajović, B. Scalzo-Dees, S. Li, and Anthony G. Constantinides, “Data Analytics on Graphs - Part III: Machine Learning on Graphs, from Graph Topology to Applications,” *Foundations and Trends in Machine Learning*, Vol. 13: No. 4, 2020, pp. 332–530.
- [17] I. Stanković, M. Brajović, M. Daković, C. Ioana, and LJ. Stanković, “Bit-depth quantization and reconstruction error in images,” *Signal, Image and Video Processing*, 14(8), 1545–1553 (2020).
- [18] M. Brajović, I. Stanković, M. Daković, and LJ. Stanković, “The DCT Domain Sparsity-Assisted Detection and Recovery of Impulsively Disturbed Samples,” *Multimedia Tools and Applications*, October, 2020, pp.1-14. <https://doi.org/10.1007/s11042-020-09998-w>

- [19] LJ. Stanković, D. Mandić, M. Daković, B. Scalzo-Dees, M. Brajović, E. Sejdić, and A.G. Constantinides, "Vertex-Frequency Graph Signal Processing: A Comprehensive Review," *Digital Signal Processing*, Volume 107, December, 2020. 102802, <https://doi.org/10.1016/j.dsp.2020.102802>
- [20] M. Brajović, LJ. Stanković, and M. Daković, "Decomposition of Multichannel Multicomponent Nonstationary Signals by Combining the Eigenvectors of Autocorrelation Matrix Using Genetic Algorithm," *Digital Signal Processing*, Volume 102, July 2020, <https://doi.org/10.1016/j.dsp.2020.102738>.
- [21] I. Stanković, M. Brajović, M. Daković, C. Ioana, and LJ. Stanković, "Quantization in Compressive Sensing: A Signal Processing Approach," *IEEE Access*, Vol. 8, March 2020, doi: 10.1109/ACCESS.2020.2979935
- [22] LJ. Stanković, M. Brajović, M. Daković, and D. Mandić, "On the Decomposition of Multichannel Nonstationary Multicomponent Signals," *Signal Processing*, Vol. 167, Feb. 2020, 107261, DOI: <https://doi.org/10.1016/j.sigpro.2019.107261>
- [23] LJ. Stanković, M. Brajović, I. Stanković, C. Ioana, and M. Daković, "Reconstruction Error in Nonuniformly Sampled Approximately Sparse Signals," *IEEE Geoscience and Remote Sensing Letters*, 18(1), 28–32 (2021/2020 online), doi:10.1109/LGRS.2020.2968137
- [24] LJ. Stanković, and M. Brajović, "Analysis of the Reconstruction of Sparse Signals in the DCT Domain Applied to Audio Signals," *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol. 26, no.7, July 2018, pp.1216-1231, DOI: 10.1109/TASLP.2018.2819819
- [25] M. Brajović, I. Orović, M. Daković, and S. Stanković, "Compressive Sensing of Sparse Signals in the Hermite Transform Basis," *IEEE Transactions on Aerospace and Electronic Systems*, Volume: 54, Issue: 2, April 2018, pp. 950 - 967, DOI: 10.1109/TAES.2017.2768938
- [26] M. Brajović, S. Stanković, and I. Orović, "Analysis of noisy coefficients in the discrete Hermite transform domain with application in signal denoising and sparse signal reconstruction," *Signal Processing*, Volume 150, September 2018, <https://doi.org/10.1016/j.sigpro.2018.04.007>
- [27] M. Brajović, I. Stanković, M. Daković, C. Ioana, and LJ. Stanković, "Error in the Reconstruction of Nonsparse Images," *Mathematical Problems in Engineering*, Volume 2018 (2018), Article ID 4314527, 10 pages <https://doi.org/10.1155/2018/4314527>
- [28] LJ. Stanković, D. Mandić, M. Daković, and M. Brajović, "Time-frequency decomposition of multivariate multicomponent signals," *Signal Processing*, Volume 142, January 2018, pp. 468-479, <http://dx.doi.org/10.1016/j.sigpro.2017.08.001>
- [29] M. Brajović, V. Popović-Bugarin, I. Djurović, and S. Djukanović, "Post-processing of Time-Frequency Representations in Instantaneous Frequency Estimation Based on Ant Colony Optimization," *Signal Processing*, Vol. 138, September 2017, pp. 195–210, <http://dx.doi.org/10.1016/j.sigpro.2017.03.022>.
- [30] M. Brajović, I. Orović, M. Daković, and S. Stanković, "On the Parameterization of Hermite Transform with Application to the Compression of QRS Complexes," *Signal Processing*, vol. 131, pp. 113-119, February 2017.
- [31] M. Brajović, I. Orović, M. Daković, and S. Stanković, "Gradient-based signal reconstruction algorithm in the Hermite transform domain," *Electronics Letters*, Volume 52, Issue 1, pp.41-43, 2016

Other International, Regional, and National Journals:

- [32] M. Brajović, M. Daković, and LJ. Stanković, "Implementation of a Higher Order Time-Frequency Representation Based on Windowed Convolutions," *ETF Journal of Electrical Engineering*, [accepted for publication], Vol. 24, 2019
- [33] I. Stanković, M. Brajović, M. Daković, and LJ. Stanković, "Analysis of Noise in Complex-Valued Binary and Bipolar Sigmoid Compressive Sensing," *Telfor Journal*, vol. 11, no. 1, 2019.
- [34] M. Brajović, A. Draganić, I. Orović, and S. Stanković, "Sparse Representation of FHSS Signals in the Hermite Transform Domain," *Telfor Journal*, Vol. 9, No. 2, 2017
- [35] S. Vujović, M. Brajović, V. Popović-Bugarin, N. Latinović, J. Latinović, and M. Bajčeta, "A web service for grapevine monitoring and forecasting a disease," *ETF Journal of Electrical Engineering*, Vol. 22, No. 1, 2016
- [36] M. Brajović, LJ. Stanković, and M. Daković, "Reconstruction of non-stationary signals with missing samples using S-method and a gradient-based reconstruction algorithm," *ETF Journal of Electrical Engineering*, Vol. 21, No. 1, 2015.

International conferences (Indexed in SCOPUS and IEEE Xplore):

- [37] I. Stanković, M. Brajović, M. Daković, and LJ. Stanković, "Remez Algorithm for Approximating Graph Transfer Function," *14th Mediterranean Conference on Embedded Computing (MECO)*, Budva, Montenegro, June 10-14, 2025.

- [38] M. Brajović, I. Stanković, M. Daković, and L.J. Stanković, "Spectral Analysis of Temporal Signals on DAGs Using Zero-Padding and Joint Time-Vertex Fourier Transform," *29th International Conference on Information Technology (IT)*, Žabljak, Montenegro, February 19-22, 2025
- [39] M. Brajović, I. Stanković, M. Daković, A. B. Bardi, Lj. Stanković, Signal Filtering on Directed Acyclic Graphs, 32nd Telecommunications Forum – TELFOR 2024, Belgrade, Serbia, 26-27 November 2024
- [40] M. Brajović, I. Stanković, M. Daković, A. Bagheri Bardi, L.J. Stanković - Random Walk Operator-Based Fourier Transform in Complete Directed Acyclic Graphs, 28th International Conference on Information Technology (IT), Zabljak, Montenegro, 21– 24 February, 2024
- [41] S. Ivanović, M. Brajović - Assessing Compressive Sensing Methods for Impulsive Noise Reduction in Audio Signals, 28th International Conference on Information Technology (IT), Zabljak, Montenegro, 21– 24 February, 2024
- [42] I. Stanković, M. Brajović, L.J. Stanković, and M. Daković, "Analysis of Graph Matched Filters for Higher-Order Diffusion Signals," 31st Telecommunications Forum TELFOR 2023, Belgrade, Serbia, November 21-22, 2023
- [43] L.J. Stanković, M. Daković, M. Brajović, I. Stanković, and A. Bagheri-Bardi, "Zero-padding on Connected Directed Acyclic Graphs for Spectral Processing," 31st Telecommunications Forum TELFOR 2023, Belgrade, Serbia, November 21-22, 2023
- [44] M. Brajović, I. Stanković, M. Daković, and L.J. Stanković, "Reconstruction of Sparse Graph Signals from Reduced Sets of Samples," 27th International Conference on Information Technology (IT), Zabljak, Montenegro, 15 – 18 February, 2023
- [45] I. Stanković, M. Brajović, L.J. Stanković, and M. Daković, "Effect of Companding in the Reconstruction of Nonsparse Signals," 30th Telecommunications Forum TELFOR 2022, 15-16 November, Belgrade, Serbia
- [46] I. Stanković, M. Brajović, L.J. Stanković, and M. Daković, "Laplacian-Driven Softmax Probability for Noisy Pixel Detection in Image Reconstruction," 30th Telecommunications Forum TELFOR 2022, 15-16 November, Belgrade, Serbia
- [47] M. Brajović, I. Stanković, M. Daković, and L.J. Stanković, "Audio Signal Denoising Based on Laplacian Filter and Sparse Signal Reconstruction," 26th International Conference on Information Technology (IT), Zabljak, 16 – 19 February, 2022
- [48] I. Stanković, M. Brajović, L.J. Stanković, and M. Daković, "Laplacian Filter in Reconstruction of Images using Gradient-Based Algorithm," 29th Telecommunications forum TELFOR 2021 (Virtual), Serbia, Belgrade, November 23-24, 2021
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