

Milan Tančić, PhD
Assistant Professor
Faculty of Information Technologies
Belgrade Metropolitan University

BIOGRAPHY

PERSONAL INFORMATION	PLACE OF BIRTH	Pirot, Republic of Serbia
	DATE OF BIRTH	November 22 nd , 1989
	CITIZENSHIP	Serbian
	EMAIL	milan.tancic@metropolitan.ac.rs
EDUCATIONAL BACKGROUND	PhD Studies (PhD degree)	Oct. 2013 – Nov. 2019
	PhD Thesis: “Design of logarithmic quantizers for high quality adaptive transform coding of speech signal” Phd Url: https://www.elfak.ni.ac.rs/downloads/informacije/studenti/doktorske-magistarske/doktorske-disertacije/2019-dd-milan-tancic.pdf Phd Supervisor: Zoran Perić, Full Professor, University of Niš	
	MSc Studies (5 years integrated studies)	Oct. 2008 – Jul. 2013
	Field: Electrical Engineering and Computer Science Module: Telecommunications, ICT GPA: 9.42/10.00 Faculty of Electronic Engineering, University of Niš, Niš, Serbia	
WORK EXPIRIENCE	<i>Assistant Professor</i>	Oct. 2021 – present
	Faculty of Information Technologies, Belgrade Metropolitan University, Belgrade, Serbia	
	<i>Senior Backend Developer</i>	Apr. 2020 - present
	HORISEN Solutions D.O.O, Vojvode Misica 33/14, 18300 Pirot	
	<i>Backend Developer</i>	Oct. 2016 – Apr. 2020
Tigar Tyres D.O.O, Nikole Pašića 213, 18300, Pirot		
	<i>Graduate engineer for research activities</i>	Oct. 2013 – Oct. 2016
Faculty of Electronic Engineering, University of Niš, Serbia		

RESEARCH EXPERIENCE

Public Researcher profile

Google Scholar:

<https://scholar.google.com/citations?user=pVLoH1sAAAAJ&hl=sr>

Research Gate:

<https://www.researchgate.net/profile/Milan-Tancic-2>

LinkedIn:

<https://www.linkedin.com/in/milan-tancic-21880483>

COMPUTER SKILLS

Languages & Software:

Golang, C#, MySQL, MS SQL Server, PHP

LANGUAGES SPOKEN

Serbian (Native speaker)

English (Full professional proficiency)

SCIENTIFIC PAPERS

„Projektovanje i analiza performansi kompadding kvantizera zasnovanih na aproksimaciji Gama izvora”, Zoran Perić, Nikola Simić, **Milan Tančić**“ presented on conference Infoteh-Jahorina, ISBN:978-99955-763-3-2, vol. 13, pp. 409-413, March 2014

“New iterative method for optimization of quasilogarithmic quantizer for Laplacian source”, Zoran Perić, Aleksandra Jovanović, **Milan Tančić**, presented on conference ICEST- Niš, ISBN: 978-86-6125-031-6, pp. 6-10, June 2014

“Metod optimizacije kvalilogaritamskog kvantizera za Laplasov izvor”, Zoran Perić, Aleksandra Jovanović, **Milan Tančić**, presented on conference DOGS – Novi Sad, ISBN: 978-86-7892-633-4, pp. 103-106, October 2014

“Analiza i dizajn kvazilogaritamskog kvantizera za Gama izvor”, Zoran Perić, Aleksandra Jovanović, Slobodan Vlajkov, **Milan Tančić**, presented on conference DOGS – Novi Sad, , ISBN: 978-86-7892-633-4, pp. 99-102, October 2014

“The analysis support region influence on performance of differential pulse code modulation system with quasi-logarithmic quantizer”, Zoran Perić, **Milan Tančić**, Aleksandar Jocić, Bojan Došović, Presented on conference SAUM - Nis, ISBN: 978-86-6125-117-7, pp. 316-319 November 2014

„Effects of subband coding with quasilogarithmic quantizers of characteristics of audio signal“ Stefan Tomić, **Milan Tančić**, Dejan Ćirić, Zoran Perić, Proceedings of 2nd International Conference on Electrical, Electronic and Computing Engineering IcETRAN 2015, Srebrno jezero, Serbia, June 8 – 11, 2015, ISBN 978-86-80509-71-6, pp. AKI1.4.1-5

„High quality speech signal coding with the application of BTC algorithm“, Zoran Perić, Stefan Tomić, **Milan Tančić**, presented on conference TELSIKS - Nis, ISBN: 978-1-4673-7514-6, pp. 23-26, October 2015

„Subband coding of audio signal with logarithmic companders“, Zoran Perić, **Milan Tančić**, Stefan Tomić, Dejan Ćirić, presented on conference TELSIKS, ISBN: 978-1-4673-7514-6, pp. 19-22, October 2015

„Application of speech signal coding technique on ECG signal coding“, Aleksandra Milošević, Zoran Perić, **Milan Tančić**, Aleksandra Jovanović, The third international Acoustics and Audio Engineering Conference TAKTONS – Novi Sad, ISBN: 978-86-7892-633-4, 18-21 November 2015, pp. 60-61

“Transform coding of speech signal using forward adaptive quantization”, **Milan Tančić**, Zoran Perić, Stefan Tomić, *Elektronika ir Elektrotehika*, Vol. 22, No. 3, pp. 74-77, 2016, ISSN: 1392-1215, DOI: <http://dx.doi.org/10.5755/j01.eie.22.3.15318>

“Modified wideband speech coding system with embedded G.711 coders”, **Milan Tančić**, Zoran Perić, Nikola Simić, *Rev. Roum. Sci. Techn – Électrotechn. et Énerg.* Vol. 62, No. 3, 2017, pp. 299-304, <http://revue.elth.pub.ro/viewpdf.php?id=692>

„Performance of Quasi-logarithmic Quantizer for Discrete Input Signal”, **Milan Tančić**, Zoran H. Perić, Nikola Simić, Stefan S. Tomić, *Information Technology and Control* Vol. 46, No.3, 2017, pp. 395-402, DOI: <http://dx.doi.org/10.5755/j01.itc.46.3.16197>

“Determining Compression Factor of Quasi-logarithmic Quantizers for Laplacian Source in Narrow Dynamic Variance Range”, **Milan Tančić**, Zoran H. Perić, Nikola Simić, Stefan S. Tomić, *Facta Universitatis, Series Automatic control and robotics*, Vol. 15, No. 3, 2016, pp. 217-226, DOI: <http://dx.doi.org/10.22190/FUACR1603217T>

“Simple Speech Transform Coding Scheme Using Forward Adaptive Quantization for Discrete Input Signal”, Zoran H. Perić, **Milan Tančić**, Nikola Simić, Vladimir Despotović, *Information Technology and Control*, Vol. 48. No. 3, 2019, pp. 454-463, DOI: <https://doi.org/10.5755/j01.itc.48.3.21685>

"New Solutions for the Support Region Calculation of Logarithmic Quantizers for the Laplacian Source" Z. H. Perić, M. R. Dinčić, **M. Ž. Tančić** and Z. Stamenković, *2020 23rd International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS)*, 2020, pp. 1-5, doi: 10.1109/DDECS50862.2020.9095582.

“Forward Mean-Adaptive Quasi-Logarithmic Quantizer for Coding of Correlated Sources”, Stefan Tomić, Zoran Perić, **Milan Tančić**, *Facta Universitatis, Series Automatic control and robotics*, Vol. 15, No. 3, 2016, pp. 205-215, DOI: <http://dx.doi.org/10.22190/FUACR1603205T>

„Support region of μ -law logarithmic quantizers for Laplacian source applied in neural networks“, Milan Dinčić, Zoran Perić, **Milan Tančić**, Dragan Denić, Zoran Stamenković, Bojan Denić, *Microelectronics Reliability*, Vol. 124, 2021, DOI: <https://doi.org/10.1016/j.microrel.2021.114269>