

**Name, father's/mother's name and family name:** Zoran Hristivoje Perić

• **Contact e-mail, phone and web page:** zoran.peric@elfak.ni.ac.rs , +38118529367,  
<https://www.elfak.ni.ac.rs/sr/cv/zoran-peric>

• **Research field and area/areas:** Signal processing, Compression, Quantization, Statistical Learning, Machine Learning.

• **Education:** Faculty of Electronic Engineering, University of Niš, Serbia.

**Master studies:** Dipl. Ing. in Telecommunications, enrolment: 1984-1989.

**Magister studies:** Magister in Telecommunications, enrolment: 1989-1994.

**Ph.D. studies:** Ph.D. in Telecommunications, enrolment: 1994-1999.

• **Employment history:**

1989-2010 Junior Teaching Assistant, Teaching Assistant, Assistant Professor, Associate Professor at the Faculty of Electronic Engineering, University of Niš 2010-present Full Professor at the Faculty of Electronic Engineering, University of Niš

• **List of selected publications (up to five most important publications in the research field):**

1. Milan Savić, **Zoran Perić**, Nikola Simić, "Coding Algorithm for Grayscale Images Based on Linear Prediction and Dual Mode Quantization", *Expert Systems with Applications* (Elsevier), vol. 42, no. 21, pp. 7285-7291, 2015, ISSN 0957-4174, **M21 (IF 2.981)**. DOI: <https://doi.org/10.1016/j.eswa.2015.05.037>
2. Ivan Đorđević, Aleksandra Ž. Jovanović, **Zoran Perić**, Ting Wang, "Multidimensional Optical Transport Based on Optimized Vector-Quantization-Inspired Signal Constellation Design", *IEEE Transactions on Communications (IEEE)*, vol. 62, no. 9, pp. 3262-3273, 2014, ISSN 0090-6778, **M21 (IF 1.992)**. DOI: 10.1109/TCOMM.2014.2347298.
3. **Zoran Perić**, Jelena Nikolić, Dejan Milić, "Variable-length Coding for Performance Improvement of Asymptotically Optimal Unrestricted Polar Quantization of Bivariate Gaussian Source", *Information Sciences*, vol. 252, no. 10, pp. 157-167, 2013, ISSN 0020-0255, Elsevier, **M21a (IF 3.893)**. DOI: <https://doi.org/10.1016/j.ins.2013.06.016>
4. **Zoran Perić**, Jelena Nikolić, "Asymptotic Analysis of Switched Uniform Polar Quantization for Memoryless Gaussian Source", *IEEE Signal Processing Letters*, vol. 20, no. 1, pp. 75-78, 2013, ISSN 1070-9908, **M22 (IF 1.639)**. DOI: 10.1109/LSP.2012.2227724
5. **Zoran Perić**, Bojan Denić, Vladimir Despotović, "Novel Two-Bit Adaptive Delta Modulation Algorithms", *INFORMATICA*, vol. 30 no. 1, pp. 117-134, 2019, ISSN 0868-4952, **M21 (IF 1.928)**. DOI: <http://dx.doi.org/10.15388/Informatica.2019.200>

• **Project history a list of up to 5 relevant previous projects or activities:**

1. The development of software and hardware support for the needs of telecommunications access networks, (6123B), funded by the Ministry of Science and Environmental Protection of the Republic of Serbia, 2005-2007.
2. Human-machine speech communication, (11001), funded by the Ministry of Science and Technological Development of the Republic of Serbia, 2008-2010.
3. The development of dialogue systems for Serbian and other South Slavic languages, funded by the Ministry of Education and Science of the Republic of Serbia, (TR 32035), since 2011.
4. Fractional-order signal processing and applications, SK-SRB-2016-0030, funded by the Slovak Research and Development Agency and the Ministry of Education, Science and Technological Development of the Republic of Serbia, 2017-2018.
5. Fractional calculus approach to machine learning, 337-00-1072019-0911, funded by the Slovak Research and Development Agency and the Ministry of Education, Science and Technological Development of the Republic of Serbia, since 2019.

• **Awards, prizes, etc.**

Award “Prof. Dr Ilija Stojanović” for contribution in the field of Telecommunications in the category of best professional papers published over the past two years in renowned international journals (awarded by Telenor foundation in 2017).

● **Reviewing scientific journals and grants.**

*IEEE Transactions on Information Theory, IEEE Transactions on Signal Processing, IEEE Transactions on Communication, IEEE Signal Processing Letters, Expert Systems with Applications, Digital Signal Processing, Informatica, Electronics, Compel, Electronics and Electrical Engineering, Information technology and control, Revue.*

● **Skills and other relevant facts:**

1. Language skills: English (C2).
2. Programming skills: Matlab, Mathematica, Python

● **Other contributions and activities:**

1. Total number of references is over 400 (among which 140 are in the journals from the SCI/SCIE list).
2. Editor in Chief: *Facta Universitatis* Series: Electronics and Energetics (2011-2013).
3. Lead Guest Editor: *Computational Intelligence and Neuroscience, Information.*
4. Member of the Editorial Board of the Journals: *Elektronika ir Elektrotehnika, Information, Facta Universitatis* Series: Electronics and Energetics.
5. A vice-dean of the Faculty of Electronic Engineering for 11 years
6. Member of the council of the University of Niš.
7. Supervisor of 12 PhD thesis and over 80 master and bachelor thesis at the Faculty of Electronic Engineering
8. Member of 25 commissions for the assessment and defense of the Ph.D. thesis at the Faculty of Electronic Engineering, University of Niš, at the School of Electrical Engineering, University of Belgrade and at the Faculty of Technical Sciences, University of Novi Sad.

● **Citation number (excluding self-citations) from SCOPUS or WoS citation databases.**

According to Google Scholar citation database the citation number is 1468, h-index=16 and i-index=36. According to SCOPUS the citation number is 623.

● **Hirsch index from SCOPUS or WoS citation databases.**

According to SCOPUS h-index=12.

**Link to the Public RIS page (istrazivaci.gov.rs) and to another database of researchers if available (e.g. Google Scholar, ORCID, etc.).**

<https://www.npao.ni.ac.rs/elektronski-fakultet/598-zoran-peric>

<https://scholar.google.com/citations?user=q972FlwAAAAJ&hl=en>

<http://orcid.org/0000-0002-8267-9541>