

profesor visoke škole

**a) Osnovni biografski podaci :**

Ime (ime oca i prezime):	Negovan (Miodrag) Stamenković
Datum i mjesto rođenja:	30.03.1979.god. Gnjilane, Srbija
Ustanove u kojima je bio zaposlen:	Univerzitet u Pristini, Prirodno-matematički fakultet
Radna mjesta:	Prirodno-matematički fakultet, redovni profesor
Članstvo u naučnim i stručnim organizacijama ili udruženjima:	Predsjednik društva inženjera Kosova i Metohije

**b) Diplome i zvanja:**

<b>Osnovne studije</b>	
Naziv institucije:	Fakultet tehničkih nauka Kosovska Mitrovica
Zvanje:	dip.inž. elektronike i telekomunikacije
Mjesto i godina završetka:	Kosovska Mitrovica, 2006.god.
Naziv institucije:	
Zvanje:	
Mjesto i godina završetka:	
Naslov završnog rada:	
Naziv institucije:	Elektronski fakultet, Niš
Zvanje:	doktor elektrotehnike i računarstva
Mjesto i godina odbrane doktorske disertacije:	Niš, 2011.god.
Naziv doktorske disertacije:	Realizacija filtera za podopsežno kodovanje zasnovana na aritmetici ostataka

**v) Naučna/umjetnička djelatnost**

<i>Užanaučna oblast – Informaciono-komunikacione tehnologije</i>

**Original naučni radovi u časopisu od međunarodnog značaja: M21-23**

**a1. Negovan Stamenković, Vidosav Stojanović:** The design of two channel IIR QMF bank directly from analog prototype- International Journal of Electronics vol.98. No7. July 2011. pp.961-972.  
<http://www.tandfonline.com/doi/abs/10.1080/00207217.2011.560558?journalCode=tetn20#.VEfWMCKsWfV>

**a2. N.Stojanović, N.Stamenković, V.Stojanović:** All-Pole Recursive Digital Filters Desing Based on Ultraspherical polynomials-Radioengineering vol.23. Number 3. ISSN 1210-2512. September 2014. pp. 949-954  
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**a3. Dragana Živaljević, Negovan Stamenković, Vidosav Stojanović:** Nearly monotonic passband low-pass filter design by using sum-of-squared Legendre polynomials-International Journal of Circuit Theory and Applications- Vol.44. Number 1. pp. 147-161. 2016. DOI 10.1002/cta.2068  
<http://www3.interscience.wiley.com.proxy.kobson.nb.rs:2048/cgi-bin/jhome/1976>

**a4. Stojanović Nikola, Stamenković Negovan, Krstić Ivan:** Discrete-Time Filter Synthesis Using Product of Gegenbauer Polynomials- Radioengineering vol.25. number 3. ISSN 1210-2512. September. 2016 pp.500-505  
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<https://www.growkudos.com/publications/10.1049%252Fel.2016.3025>

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**a7. Stojanović Nikola, Stamenković Negovan, Živaljević Dragana:** Monotonic, critical monotonic, and nearly monotonic low-pass filters designed by using the parity relation for Jacobi polynomials- International Journal of Circuit Theory and Applications, DOI: 10.1002/cta.2375, jul2017  
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**a8. Nikola Stojanovic, Negovan Stamenkovic, Ivan Krstic:** Chained-Function Filter Synthesis based on the Legendre Polynomials, Circuits Systems and Signal Processing, DOI 10.1007/s00034-017-0651-1  
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**a.9. Nikola Stojanović, Negovan Stamenković and Ivan Krstić:** Lowpass filters approximation based on modified Jacobi polynomials, ELECTRONICS LETTERS 16th February 2017, Vol. 53 No. 4 pp.241-243.  
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**a.10. Negovan Stamenković, Nikola Stojanović, and Dragana Živaljević:** Low-pass filters with almost-maximally flat passband and Chebyshev stopband attenuation, ELECTRONICS LETTERS, DOI 10.1049/el.2017.3390 Page(s): 1633 – 1634, Volume: 53, Issue: 25, 12 7 2017

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**a11.** Nikola Stojanović, **Negovan Stamenković**, Ivan Krstić, Chained-Function Filter Synthesis Based on the Legendre Polynomials. Circuits Systems and Signal Processing. Vol.37, Issue 5, pp. 2001-2020. May 2018. M 23

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a13. Goran Perenić, **Negovan Stamenković**, Nikola Stojanović, Nebojsa Denić: Chained-Function Filter Synthesis Based on the Modified Jacobi Polynomials. Radioengineering. Vol.27, Number 4. Pp. 1112-1118. December 2018. M23

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a14. **Negovan Stamenković**, Nikola Stojanović, Goran Perenić: Group Delay Equalization of Polynomial Recursive Digital Filters in Maximal Flat Sense. Journal of Circuits, Systems and Computers. M 23

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**a15. N Stamenkovic**, N Stojanovic, D Jovanovic, Z .Stankovic: A Comparison of Papoulis and Chebyshev Filters in the Continuous Time Domain. - RADIOENGINEERING, VOL. 30, NO. 3, SEPTEMBER 2021

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a16. Goran Keković, Lazar Kopanja and **Negovan Stamenković**: Computer Simulation of Extended Neyman–Pearson Detector in Monostatic Pulse Radar -Journal of Circuits, Systems and Computers Online Ready.

<https://doi.org/10.1142/S0218126622500220>

a17. S Nikolić, N Stojanović, **N Stamenković**, I Krstić: Optimum allpole filters with Chebyshev passband magnitude response- AEU-International Journal of Electronics and Communications, Volume 135, June 2021

<https://doi.org/10.1016/j.aeue.2021.153740>

#### **Original naučni radovi u časopisu od nacionalnog značaja:**

**b1.** Dragana Živaljević, **Negovan Stamenković**, Vidosav Stojanović: FIR Filter Implementation Based on the RNS with Diminished-1 Encoded Channel- International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems vol.2, No2 (2013), pp.51-55

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**b2.Negovan Stamenković, Vidosav Stojanović:**On the design transitional Legendre-Butterworth filters - International Journal of Electronics Letters, Vol. 2, Issue 3, 2014. pp.186-195.

<http://www.tandfonline.com/doi/abs/10.1080/00207217.2014.894138?journalCode=tetl20#.VEfhzCKsWfU>

**b3.Ivan Krstić, Negovan Stamenković, Milena Petrović and VidosavStojanović:**Binary to RNS encoder with Modulo  $2n+1$  Channel in Diminished-1 Number System-IJCEM International Journal of Computational Engineering & Management, Vol. 17 Issue 3, May 2014 ISSN (Online): 2230-7893

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**b4.Negovan Stamenković:** Digital FIR Filter Architecture Based on the Residue Number System - Facta Univerzitalis Niš Ser. Elec. Energ. Vol. 22, no. 1, April 2009,pp. 125-140.

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**b5. Negovan Stamenković and Bojan Jovanović:** Reverse Convertor Design for the 4-Moduli Set  $\{2^n-1, 2^n, 2^{n+1}, 2^{2n+1}-1\}$  Based on the Mixed-Radix Conversion-Facta Univ. Ser.: Elec. Energ., vol. 24, No.1, April 2011, pp. 89-103.

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**b6.Negovan Stamenković, Vladica Stojanović:** Constant-Coefficient FIR Filters Based on Residue Number System Arithmetic  $2^n+1$ - Serbian Journal of Electrical Engineering Vol.9, No.3,Oktober 2012, pp. 325-342.

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**b7.Negovan Stamenković, Dragana Živaljević, , Vidosav Stojanović:**Scaling Function Based on Chinese Remainder Theorem Applied to a Recursive Filter Design-Serbian Journal of Electrical Engineering, 2014 Vol.11, No.3,Oktober 2014, pp. 365-377

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**b8.V.Stojanović,N.Stamenković,N.Stojanović - Active RC Filter Based Implementation Analysis Part of Two Channel Hybrid Filter Bank Serbian Journal of Electrical Engineering, 2014 Vol.11, No.4, Decembar 2014, 565-584**

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**b9. Ivan Krstić,Negovan Stamenković, Vidosav Stojanović:**Binary to RNS encoder for the moduli set  $\{2(n-1), 2(n), 2(n+1)\}$ -Facta Univerzitalis Niš Ser. Elec. Energ. Vol. 29, no. 1, March 2016,pp. 101 - 112 DOI: 10.2298/FUEE1601101K

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**b10.Nikola Stojanović, Negovan Stamenković:** Lowpass filters approximation based on the orthogonal Jacobi polynomial -Facta Univerzitalis Niš Ser. Elec. Energ. Vol.30, no. 3. pp. 351 – 362, DOI: 10.2298/FUEE1703351S

<http://casopisi.junis.ni.ac.rs/index.php/FUElectEnerg/article/view/1920>

**Naučniradovina skupovimamedunarodnogznačaja, štampanucjelini:**

**c.1Negovan Stamenković, Vidosav Stojanović:** Digital signal processing simulation based on

the residue arithmetic-International Conference "Mathematical and Informational Technologies" (*VIII Conference "Computational and Informational Technologies for Science, Engineering and Education"*)MIT 2009 Kopaonik, August 27 – 31.pp. 392-38-99

**c.2**Negovan Stamenković, Dragana Živaljević i dr. : Design of quadrature mirror filter bank using approximation in s-domain- 9-th International Conference on Applied Electromagnetics IEEE 2009, Niš pp. 111-113.

**c.3** Dragana Živaljević, **Negovan Stamenković** i dr. :MAC architecture for FIR filter desing based on residue arithmetic- 12-th International Symposium on Electrical Apparatus and Technologies SIELA 2012 28-30 may 2012 Bulgarija.

**c.4**Dragana Živaljević, **Negovan Stamenković** i dr. :Digital Filter Implementation Based on the RNS with Diminished-1 Encoded Channel- 35-th International Conference on Telecommunications and Signal Processing (TSP) held on Julu 3-4. 2012 in Prague, Czech Republic. pp. 662-667

**c.5****Negovan Stamenković**, Vidosav Stojanović:Prelazni Butterworth-Thiran digitalni filtri sa beskonačnim impulsnim odzivom- Telfor, Novembar20-22. 2012, Beograd. pp. 780-782

**c.6** **Negovan Stamenković**,Dragana Živaljević i dr. :The Use of Residue Number Systems in the desing of the Optimal All-pole IIR Digital Filters- 36-th International Conference on Telecommunications and Signal Processing (TSP) held on Julu 2-4. 2013 in Rpme, Italy. pp. 722-727

**c.7** Dragana Živaljević, **Negovan Stamenković i dr.** : Realizations of prototype allpole filters nearly monotonic in the passband with LC ladder networks- 11-th International Conference on Applied Electromagnetics IEEE 2013, Niš pp. 125-127.

**c.8** **Negovan Stamenković**,Dragana Živaljević i dr. : RNS scaler for three moduli set  $\{2^n-1, 2^n, 2^n+1\}$ -11-th International Conference on Applied Electromagnetics IEEE 2013, Niš pp. 127-129.

**c.9****Negovan Stamenković**,Dragana Živaljević i dr. : Diminished-One Modulo  $(2^n+1)$  Multiplier Design-International Conference "Mathematical and Informational Technologies" (*X Conference "Computational and Informational Technologies for Science, Engineering and Education"*)MIT 2013.Vrnjacka Banja 5-9 septembar. pp. 671-676

**c.10**DraganaŽivaljević,**Negovan Stamenković**, JeroslavŽivanić:Sharp cutoff filters with monotonic pass-band response -13-th International Symposium on Electrical Apparatus and Technologies SIELA 29-31 may 2014 Bulgarija.

**c.11****Negovan Stamenković**, DraganaŽivaljević, *Ivan Krstić*, Vidosav Stojanović- The implementation of two channel IIR quadrature mirror filter bank based on residue arithmetic -13-th International Symposium on Electrical Apparatus and Technologies SIELA 29-31 may 2014 Bulgarija.

**c12.**Nikola Stojanovic, Dragisa Milovanovic, VidosavStojanovic and **Negovan Stamenkovic**- Design of two-channel analysis part of hybrid filter bank – X InreranionalSymposium on Industrial Electronics INDEL Banja Luku Novembar 2014. pp.175-180.

**c.13** Dragana Živaljević, Nikola Stojanović, **Negovan Stamenković.** : Near perfect reconstruction two-channel iirqmf bank with group delay compensation filters12-th International Conference on Applied Electromagnetics IEEE 2015, Niš pp. 77-79.

**c.14.** Dragana Živaljević, Nikola Stojanović, **Negovan Stamenković**, Sasa Ilić: Performance improving of quadrature filter bank using group delay - 19-th International Symposium on Electrical Apparatus and Technologies SIELA 29.05-01.06. 2016 Bulgarija pp:1-4. DOI: 10.1109/SIELA.2016.7543069

**c.15.** Nikola Stojanović, **Negovan Stamenković**, Dragana Živaljević: Sensitivity analysis of time-continuous filter pairs realized using LCR resonators - 19-th International Symposium on Electrical Apparatus and Technologies SIELA 29.05-01.06. 2016 Bulgarija pp:1-4. DOI: 10.1109/SIELA.2016.7543069

**Udžbenici, monografije i nastavna literatura:**

1. Naslov: Računarstvo i programski jezici:

Izdavač: Prirodno-matematički fakultet u Kosovskoj Mitrovici

Autori: **Negovan Stamenković**, Vidosav Stojanović

ISBN: 987-86-80795-08-9

2. Naslov: Elektronsko poslovanje:

Izdavač: Prirodno-matematički fakultet u Kosovskoj Mitrovici

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ISBN: 978-86-80795-10-2

**Monografija:**

1. Naslov: Digital filter implementation using RNS-binary arithmetic

Izdavač: LAP LAMBERT Academic Publishing

Autori: **Negovan Stamenković**

ISBN: 978-3-659-52190-4

<https://www.morebooks.de/store/gb/book/digital-filter-implementation-using-rns-binary-arithmetic/isbn/978-3-659-52190-4>

**Uredništvo:**

**g) Obrazovnadjelatnost**

1.

**Obrazovnadjelatnost**

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**d) Stručnadjelatnostkandidata:**

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**Stručniprojekti**

Naziv projekta:

Rekonfigurabilne visoko pouzdane platforme male snage

Br. 32009. MPRS

Rukovodilac projekta prof. Dr Mile Stojčev redovni profesor Elektronskog fakulteta u Nišu