Научно стручно веће за техничко - технолошке науке

Предмет: Образац о испуњавању услова за избор у звање наставника

Ime i prezime

Vesna Javor

Datum rođenja

28 / 10 / 1961

Naziv i sedište ustanove/organizacije u kojoj je kandidat zaposlen

Univerzitet u Nišu, Elektronski fakultet u Nišu

Radno mesto

docent

Datum prvog izbora u sadašnje zvanje

22.3.2013

Datum raspisivanja konkursa

02.09.2017

Način (mesto) objavljivanja

Narodne novine

Zvanje za koje je raspisan konkurs

Docent ili vanredni profesor

Uža naučne oblast

Elektroenergetika

Odaberite oblast

Ostale oblasti

1. Naučni stepen doktora nauka iz uže naučne oblasti za koju se bira
(naziv doktorske disertacije, naučna oblast, godina i mesto odbrane)

Naziv doktorske disertacije: Elektromagnetno polje atmosferskog pražnjenja prodrlo u objekte
Naučna oblast: Elektroenergetika
Godina i mesto odbrane: Niš, 2009.

2. Sposobnost za nastavni rad
(naziv dokumenta, naziv ustanove/organizacije koja je izdala dokument, datum izdavanja)

Broj: 03/01-011/13-001, Ocena o rezultatima naučno-istraživačkog rada, Elektronski fakultet u Nišu, 19.03.2013.
Broj: 03/01-011/13-002, Ocena o angažovanju u nastavi, Elektronski fakultet u Nišu, 19.03.2013.
Broj: 03/01-011/13-003, Ocena o rezultatima pedagoškog rada, Elektronski fakultet u Nišu, 19.03.2013.
Broj: 03/02-001/13-031, Ugovor o radu, Elektronski fakultet u Nišu, 27.03.2013.

NSV broj: 8/20-01-003/13-005, Odluka o izboru u zvanje nastavnika, Univerzitet u Nišu, 22.03.2013.

3. Ostvarena aktivnosti bar u tri elementa doprinosa široj akademskoj zajednici iz člana 4. kriterijuma (opis aktivnosti, podaci o dokumentima)

1. Uspešne pripreme ekipa studenata za takmičenja u znanju iz Elektrotehnike i Teorije kola na Elektrijadama
2. Aktivno učešće na festivalima nauke i otvorenim danima fakulteta, kao organizacija poseta studenata institutima i fabrikama
3. Član Saveta Elektronskog fakulteta u Nišu, Komisije za ocenu ispunjenosti kriterijuma za izbor nastavnika i saradnika Elektronskog fakulteta u Nišu, Komisije za mobilnost studenata, Komisije za izmenu Statuta Elektronskog fakulteta u Nišu, kao i Nastavno-naučnog veća Elektronskog fakulteta u Nišu
4. Šef laboratorije za Elektromagnetnu kompatibilnost Elektronskog fakulteta u Nišu, 2010-2017.
5. Uvođenje Srbije u evropsku mrežu LINET sistema za detektovanje atmosferskih pražnjenja, učešće na regionalnoj DAAD konferenciji, učešće u radu upravnog odbora Međunarodnog projekta za elektromagnetna zračenja od atmosferskih pražnjenja u visoke strukture (IPLT), boravci u okviru DAAD projekata, COST projekta i Erasmus+ projekta
6. Predsednik ili član oko 50 komisija za diplomske, završne i master radove
7. Osnivač i predsednik IEEE EMC Chapter, Serbia and Montenegro Section, Region 8, 2008-2018.
8. Recenzent više od 100 radova u međunarodnim časopisima (SCI/SCIe liste), radova za konferencije i naučno-istraživačkih projekata
9. Član organizacionog odbora PES konferencije 1984-2017; predsednik organizacionog odbora PES konferencije 2005-2015; predsednik organizacionog odbora CEMBEF 2009 i član odbora drugih konferencija
10. Član odbora ETRAN-a za međunarodnu saradnju 2017.

4. Originalno stručno ostvarenje (projekat, studije), odnosno, rukovođenje ili učešće u naučnim projektima

Međunarodni projekti

1. DAAD Joint Project 'Theoretical Electrical Engineering" Special programme "Academic Reconstruction in South-Eastern Europe" rukovodilac projekta Prof. Dr. Hermann Uhlman, koordinator Dr. Hartmut Brauer, 2000-2004, rukovodilac projekta za Elektronski fakultet u Nišu prof. dr Dragutin Veličković.
2. DAAD Joint Project "Electrical Engineering (EE)" Special program "Academic Reconstruction in South-Eastern Europe" rukovodilac projekta Prof. Dr. Hermann Uhlman, koordinator Dr. Hartmut Brauer, 2005-2006, rukovodilac projekta za Elektronski fakultet u Nišu dr Vesna Javor.
3. COST (European Cooperation in the Field of Scientific and Technical Research) Action P18 "The physics of lightning flash and its effects", projekat ESF (European Science Foundation), rukovodilac projekta Prof. Dr. Rajeev Thottappillil (Royal Institute of Technology KTH - Sweden), 2005-2009.
4. DAAD Joint German-South-Eastern European Network Project "ELISE - University Network for Academic Training in Electrical Engineering and Information Technologies (EE&IT) in South-Eastern Europe (SEE)", rukovodilac projekta Prof. Dr. Hannes Toepfer, koordinator Dr. Hartmut Brauer, 2009-2010, rukovodilac projekta za Elektronski fakultet u Nišu prof. dr Slavoljub Aleksić.
5. ERASMUS+, period saradnje Univerziteta u Nišu i Tehničkog univerziteta u Ilmenau, 2017/18.

Projekti Ministarstva za prosvetu, nauku i tehnološki razvoj Republike Srbije

1. "Mikrotalasna elektronika - specijalne antenske strukture" rukovodilac projekta prof. dr Dragutin Veličković, 1986-1990.
2. "Mikrotalasna tehnika"(projekat "Elektromagnetika, mikrotalasna tehnika i optičke komunikacije" rukovodilac A. Marinčić) rukovodilac projekta prof. dr Bratislav Milovanović, 1991-1995.
3. "Istraživanje, razvoj i osvajanje kablova i kablovskih pribora za vlažne sredine, reke i mirne vode" (projekat "Racionalno korišćenje energije u preduzećima i tehnološka unapređenja u eksploataciji hidrotermo resursa i distributivnih mreža, rukovodilac N. Rajaković), rukovodilac projekta prof. dr Dragutin Veličković, 1994-1996.
4. "Elektromagnetika", (projekat "Elektromagnetika, mikrotalasna tehnika i optičke komunikacije"), rukovodilac projekta prof. dr Dragutin Veličković, 1996-2000, šifra projekta 10M03.
5. "Istraživanje i razvoj hibridnog pasivnog i aktivnog sistema korišćenja sunčeve energije za osvetljenje stambenog ili poslovnog objekta visokogradnje" rukovodilac projekta prof. dr Predrag Rančić, 2005-2009. šifra projekta NPEE-273027.
6. "Smanjenje gubitaka i poboljšanje efikasnosti u energetskim vodovima oblikovanjem kablovskih završnica i spojnica" rukovodilac projekta prof. dr Slavoljub Aleksić, 2008-2011, šifra projekta TR-18019.
7. "Novi pristup oblikovanju kablovskog pribora u cilju povećanja efikasnosti energetskih vodova" rukovodilac projekta prof. dr Slavoljub Aleksić i dr Nebojša Raičević, 2011-2017, šifra projekta TR-33008.
8. "Razvoj i integracija tehnologija projektovanja inteligentnog mehatroničkog interfejsa za primenu u medicini (HUMANISM)" rukovodilac projekta prof. dr Goran Đorđević, 2011-2017, multidisciplinarni objekat, šifra projekta 44004.

5. Objavljeni udžbenik, monografija, praktikum ili zbirka zadataka za užu naučnu oblast

1. Javor Vesna: "Teorija električnih kola u elektroenergetici", ISBN 978-86-6125-149-8, pp. 1-176, Edicija: Osnovni udžbenici, Izdavač: Elektronski fakultet u Nišu, Niš, 2015.

6. Od izbora u prethodno zvanje jedan rad objavljen u časopisu koji izdaje Univerzitet u Nišu ili fakultet Univerziteta u Nišu ili sa SCI liste, u kojem je prvopotpisani autor rada

1. Javor Vesna: "New Function for Representing IEC 61000-4-2 Standard Electrostatic Discharge Current," (invited paper), Facta Universitatis, Series Electronics and Energetics, ISSN: 0353-3670, Vol. 27, No. 4, pp. 509-520, University of Niš, Serbia, December 2014.
DOI: 10.2298/FUEE1404509J

7. Od izbora u prethodno zvanje dva rada u časopisu kategorije M21 ili M22 ili M23 sa petogodišnjim impakt faktorom većim od 0.49 prema Temson Rojters listi ili sa SCI liste, u kojem je prvopotpisani autor rada
(podaci o naučnim radovima, DOI broj)

1. Javor Vesna: "Electromagnetic Interference between Cranes and Broadcasting Antennas", International Journal of Antennas and Propagation, Hindawi, ISSN: 1687-5869 (Print), 1687-5877 (Online), Vol. 2015, Article ID 452962, doi: 10.1155/2015/452962, 10 pages, 2015.
DOI: 10.1155/2015/452962, http://www.hindawi.com/journals/ijap/aip/452962/

2. Javor Vesna, Lundengård Karl, Rančić Milica, Silvestrov Sergei: "Application of Genetic Algorithm to Estimation of Function Parameters in Lightning Currents Approximations", International Journal of Antennas and Propagation, Hindawi, ISSN: 1687-5869 (Print), 1687-5877 (Online), Vol. 2017, Article ID 4937943, doi: 10.1155/2017/4937943, 11 pages, 2017.
DOI: 10.1155/2017/4937943, https://www.hindawi.com/journals/ijap/2017/4937943

3. Javor Vesna: "Comment on "A New Channel-Base Current Function for Lightning Studies", IEEE Transactions on Electromagnetic Compatibility, IEEE EMC Society, ISSN: 0018-9375, Vol. 58, No. 1, pp. 335-336, 2016.
http://dx.doi.org/10.1109/TEMC.2015.2503294

8. Više radova saopšćenih na međunarodnim ili domaćim skupovima

1. Šaranac Milan, Javor Vesna: "Currents Induced in Frame Wire Structures in a Plane Wave Electromagnetic Field," 7th International PhD Seminar on Computational electromagnetics and bioeffects of electromagnetic fields CEMBEF 2013, August 28-31, 2013, Niš, Serbia, Proceedings of full papers, ISSN: 978-86-6125-089-7, pp. 21-25, Faculty of Electronic Engineering of Niš, Niš, Serbia, Aug. 2013.
http://cembef2013.elfak.ni.ac.rs
2. Javor Vesna: "Influence of the Pulse Propagation Velocity Along a Vertical Antenna on Electric Field Above a Lossy Ground," 11th International Conference on Applied Electromagnetics PES 2013, September 01-04, 2013, Niš, Serbia, Proceedings of Extended Abstracts, ISBN: 978-86-6125-088-0, pp. 17-18, Full paper in CD Proceedings of papers, Faculty of Electronic Engineering of Niš, Niš, Serbia, Sep. 2013.
http://pes2013.elfak.ni.ac.rs
3. Javor Vesna, Šaranac Milan: "Electromagnetic Disturbances in Conductive Structures Nearby Transmitting Antennas," 21st International Conference on Software, Telecommunications and Computer Networks SoftCOM 2013, Symposium on Environmental Electromagnetic Compatibility EEMC, September 18-20, 2013, Split-Primošten, Croatia, Proceedings of papers, IEEE CN: CFP1387A-USB, ISBN 978-953-290-041-5, FESB, Split, Croatia, September 2013.
DOI: 10.1109/SoftCOM.2013.6671869
http://marjan.fesb.hr/SoftCOM/2013
4. Javor Vesna: "Induced Currents in Cranes in Electromagnetic Field of MF Transmitters," 11th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services TELSIKS 2013, October 16-19, 2013, ISBN: 978-1-4799-0900-1, pp. 41-44, paper EMM.7 (CD Proceedings of papers CFP13488-CDR), Faculty of Electronic Engineering of Niš, Niš, Serbia, October 2013
http://dx.doi.org/10.1109/TELSKS.2013.6704890
http://www.telsiks.org.rs/TELSIKS%202013%20-%20Conference%20Program%20site.pdf
5. Lundengård Karl, Rančić Milica, Javor Vesna, Silvestrov Sergei: "Application of the Marquardt Least-Squares Method to the Estimation of Pulse Function Parameters," ICNPAA Congress: 10th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences ICNPAA 2014, July 15-18, 2014, Narvik, Norway, 2014.

http://www.icnpaa.com/files/program_tue.pdf
http://icnpaa.com/index.php/icnpaa/2014/paper/view/1125
http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.4904634
6. Lundengård Karl, Rančić Milica, Javor Vesna, Silvestrov Sergei: "Estimation of Pulse Function Parameters for Approximating Measured Lightning Currents Using the Marquardt Least-Squares Method," EMC Europe 2014, September 01-04, 2014, Gothenburg, INSPEC Accession number: 14696933, pp. 571-576, Session OS 16A Lightning 1, IEEE, Gothenburg, Sweden, 2014.
http://dx.doi.org/10.1109/EMCEurope.2014.6930971
7. Javor Vesna: "A Function for Approximating Electrostatic Discharge Currents," 22nd International Conference on Software, Telecommunications and Computer Networks SoftCOM 2014, Symposium on Environmental Electromagnetic Compatibility EEMC, September 17-19, 2014, Split, Croatia, Proceedings of papers, IEEE CN: CFP1387A-USB, ISBN 978-953-290-051-4, SYM1/I-87511-1709, Split, Croatia, Sep. 2014.
http://dx.doi.org/10.1109/SOFTCOM.2014.7039060
http://marjan.fesb.hr/SoftCOM/2014/files/apk/softcom2014-papers_preliminary.pdf
8. Lundengård Karl, Rančić Milica, Javor Vesna, Silvestrov Sergei: "Estimation of Parameters for the Multi-peaked AEF Current Functions," 16th Conference on Applied Stochastic Models and Data Analysis ASMDA 2015 International Society, June 30-July 4, 2015, Data Analysis IV/5, pp. 599-612, Piraeus, Greece, July 2015.
http://www.asmda.es/images/1_L-MOH_ASMDA2015_Proceedings.pdf
9. Lundengård Karl, Rančić Milica, Javor Vesna, Silvestrov Sergei: "An Examination of the Multi-Peaked Analytically Extended Function for Approximation of Lightning Channel-Base Currents," 12th International Conference on Applied Electromagnetics PES 2015, August 31-September 2, 2015, Niš, Serbia, Proceedings of Extended Abstracts, ISBN: 978-86-6125-145-0, pp. 111-112, Full paper O4_3 in CD Proceedings of papers, Faculty of Electronic Engineering of Niš, Niš, Serbia, Sep. 2015.
https://arxiv.org/ftp/arxiv/papers/1604/1604.06517.pdf
10. Javor Vesna, Betz Hans-Dieter, Stoimenov Leonid, Dinkić Nikola, Džaković Nikola: "Flash Density Regional Maps of Serbia," 12th International Conference on Applied Electromagnetics PES 2015, August 31-September 2, 2015, Niš, Serbia, Proceedings of Extended Abstracts, ISBN: 978-86-6125-145-0, pp. 65-66, Full paper P1_9 in CD Proceedings of papers, Faculty of Electronic Engineering of Niš, Niš, Serbia, Sep. 2015.
http://pes2015.elfak.rs
11. Javor Vesna: "Representing Measured Lightning Discharge Currents by the Multi-Peaked Function," 23rd International Conference on Software, Telecommunications and Computer Networks SoftCOM 2015, Symposium on Environmental Electromagnetic Compatibility EEMC, September 16-18, 2015, Split, Croatia, Proc. of papers, IEEE CN: CFP1387A-USB, ISBN 978-953-290-055-2, SYM2/I-69483-1609, DOI: 10.1109/SOFTCOM.2015.7314119, pp. 56-59, FESB, Split, Croatia, Sep. 2015.
http://dx.doi.org/10.1109/SOFTCOM.2015.7314119
http://marjan.fesb.hr/SoftCOM/2015/files/apk/FINAL_PROGRAM_2015.pdf
12. Javor Vesna: "Measured Electrostatic Discharge Currents Modeling and Simulation," 12th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services TELSIKS 2015, October 14-17, 2015, IEEE catalog number CFP15488-CDR, ISBN: 978-1-4673-7514-6 (IEEE), 978-86-6125-148-1 (FEE), MTE.7, pp. 209-212, Faculty of Electronic Engineering of Niš, Niš, Serbia, October 2015.
http://www.telsiks.org.rs
13. Javor Vesna: "An analytically extended function for representing the lightning current first derivative," International Colloquium on Lightning and Power Systems, June 27-29, 2016, P13_S3.2, pp.1-8, Bologna, Italy, June 2016.
https://events.unibo.it/international-colloquium-on-lightning-and-power-systems
14. Lundengård Karl, Rančić Milica, Javor Vesna, Silvestrov Sergei: "Multi-Peaked Analytically Extended Function Representing Electrostatic Discharge (ESD) Currents," ICNPAA Congress: 11th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences ICNPAA 2016, July 05-08, 2016, La Rochelle, France, 2016.
http://www.internationa mathematics.com/icnpaa/proceedings
15. Javor Vesna: "Lightning Current Derivatives Approximation," 24th International Conference on Software, Telecommunications and Computer Networks SoftCOM 2016, Symposium on Environmental Electromagnetic Compatibility EEMC, September 22-24, 2016, Split, Croatia, Proceedings of papers, IEEE CN: CFP1687A-USB, ISBN 978-953-290-061-3, Split, Croatia, Sep. 2016.
DOI: 10.1109/SOFTCOM.2016.7772155
http://ieeexplore.ieee.org/document/7772155
http://marjan.fesb.hr/SoftCOM/2016/files/apk/final_program_2016.pdf
16. Javor Vesna: "An improvement of modified transmission line models of lightning strokes," 2017 IEEE International Conference on Environment and Electrical Engineering EEEIC 2017, June 06-09, 2017, Milan, Italy, Proceedings of papers, pp. 1-5, doi: 10.1109/EEEIC.2017.7977731, June 2017.
http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7977731&isnumber=7977392
http://ieeexplore.ieee.org/document/7977731
INSPEC Accession Number: 17029768

17. Javor Vesna, Lundengård Karl, Rančić Milica, Javor Dario, Silvestrov Sergei: "Modelling of measured lightning discharge currents to tall towers," 2017 IEEE International Conference on Environment and Electrical Engineering EEEIC 2017, June 06-09, 2017, Milan, Italy, Proceedings of papers, pp. 1-4, doi: 10.1109/EEEIC.2017.7977795, June 2017.
http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7977795&isnumber=7977392
http://ieeexplore.ieee.org/document/7977795
INSPEC Accession Number: 17029660
18. Lundengård Karl, Rančić Milica, Javor Vesna, Silvestrov Sergei: "Electrostatic Discharge Current Modelling Using Multi-Peaked Analytically Extended Function," 2nd International Multidisciplinary Conference on Computer and Energy Science Splitech 2017, Split, Croatia, July 12-14, 2017.
http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8019264&isnumber=8019234
19. Lundengård Karl, Rančić Milica, Javor Vesna, Silvestrov Sergei: "Electrostatic Discharge Currents Representation using the Multi-Peaked Analytically Extended Function by Interpolation on a D-Optimal Design," Symposium on Electromagnetic Compatibility EMC+SIPI 2017, August 7-11, 2017, Proceedings of papers, IEEE, Washington, USA, August 2017.
http://www.emc2017.emcss.org/wp-content/uploads/2017/07/emc2017_FP.pdf
20. Javor Vesna, Lundengård Karl, Rančić Milica, Silvestrov Sergei: "Modelling of Rocket-Triggered Lightning Currents by Multi-Peaked Analytically Extended Function," XIX International Symposium on Theoretical Electrical Engineering ISTET 2017, July 16-19, 2017, Ilmenau, Germany, Book of Abstracts, pp. 14, paper MO2_06, full paper 6 pages, USB proceedings, Technische Universität Ilmenau, Germany, July 2017.
http://www.tu-ilmenau.de/istet2017
21. Javor Vesna, Stoimenov Leonid, Džaković Nikola, Dinkić Nikola, Javor Dario, Betz Hans-Dieter: "LINETGIS Application Using Lightning Detection Network Data," 13th International Conference on Applied Electromagnetics PES 2015, August 30-September 1, 2017, Niš, Serbia, Proceedings of Extended Abstracts, ISBN: 978-86-6125-184-9, pp. 49, Full paper O5_3 in CD proceedings of papers, Faculty of Electronic Engineering of Niš, Niš, Serbia, Sep. 2017.
http://pes.elfak.rs/wp-content/uploads/2017/08/PES2017_Schedule-1.pdf

Potpis kandidata: Javor

Napomena: Kandidat je dužan da popunjen, odštampan i potpisan obrazac o ispunjavanju uslova za izbor u zvanje nastavnika dostavi fakultetu koji je objavio konkurs zajedno sa ostalom dokumentacijom kojom dokazuje da ispunjava uslove konkursa.