

## Никола Митровић - списак објављених научних радова

Научни радови објављени у међународним часописима (M21 – M23):

1	Sandra Veljković, <b>Nikola Mitrović</b> , Igor Jovanović, Emilija Živanović, Albena Paskaleva, Dencho Spassov, Dragan Mančić, Danijel Danković, "Self-heating of stressed VDMOS devices under specific operating conditions", <i>Microelectronics Reliability</i> , vol. 150, p. 115213, 2023. DOI: doi.org/10.1016/j.microrel.2023.115213	M23
2	<b>Nikola Mitrović</b> , Sandra Veljković, Vojkan Davidović, Snežana Đorić-Veljković, Snežana Golubović, Emilija Živanović, Zoran Prijić, Danijel Danković, "Impact of negative bias temperature instability on p-channel power VDMOSFET used in practical applications", <i>Microelectronics Reliability</i> , vol. 138, no. 9, p. 114634, 2022. DOI: 10.1016/j.microrel.2022.114634	M23
3	Danijel Danković, Miloš Marjanović, <b>Nikola Mitrović</b> , Emilija Živanović, Milan Danković, Aneta Prijić, Zoran Prijić, "The Importance of Students' Practical Work in High Schools for Higher Education in Electronic Engineering", <i>IEEE Transaction on Education</i> , vol. 66, no. 2, pp. 146-155, 2022. DOI: 10.1109/TE.2022.3202629	M22
4	Sandra Veljković, <b>Nikola Mitrović</b> , Vojkan Davidović, Snežana Golubović, Snežana Đorić-Veljković, Albena Paskaleva, Dentcho Spassov, Slobodan Stanković, Marko Anđelković, Zoran Prijić, Ivica Manić, Aneta Prijić, Goran Ristić, Danijel Danković "Response of Commercial P-Channel Power VDMOS Transistors to Ionizing Irradiation and Bias Temperature Stress", <i>Journal of Circuits, Systems and Computers</i> , vol. 31, no. 18, p. 2240003, 2022. DOI: 10.1142/S0218126622400035	M23
5	Danijel Danković, Vojkan Davidović, Snežana Golubović, Sandra Veljković, <b>Nikola Mitrović</b> , Snežana Djorić-Veljković, "Radiation and Annealing Related Effects in NBT Stressed P-Channel Power VDMOSFETs", <i>Microelectronics Reliability</i> , vol. 126, p. 114273, 2021. DOI: 10.1016/j.microrel.2021.114273	M22
6	<b>Nikola Mitrović</b> , Danijel Danković, Branislav Ranđelović, Zoran Prijić, Ninoslav Stojadinović, "Modeling of Static Negative Bias Temperature Stressing in p-channel VDMOSFETs using Least Square Method", <i>Informacije MIDEM, Journal of Microelectronics, Electronic Components and Materials</i> , vol. 50, no. 3, pp. 205-214, 2020. DOI: 10.33180/infmidem2020.305	M23
7	Danijel Danković, <b>Nikola Mitrović</b> , Zoran Prijić, Ninoslav Stojadinović, "Modeling of NBTS Effects in P-Channel Power VDMOSFETs", <i>IEEE Transactions on Device and Materials Reliability</i> , vol. 20, no. 1, pp. 204-213, 2020. DOI: 10.1109/TDMR.2020.2974131	M23

Научни радови објављени у домаћим часописима:

1	<b>Nikola Mitrović</b> , Milan Đorđević, Sandra Veljković, Danijel Danković, "Implementation and Testing of WebSocket Protocol in ESP32 based IoT systems, Facta Universitatis, Series: Electronics and Energetics, vol. 36, no. 2, pp. 267-284, 2023. DOI: doi.org/10.2298/FUEE2302267M	M24
2	<b>Nikola Mitrović</b> , Danijel Danković, Zoran Prijić, Ninoslav Stojadinović, "Modeling of NBTI degradation in p-channel VDMOSFETS", Journal of Applied Engineering Science, vol. 18, no. 4, pp. 515-519, 2020. DOI: 10.5937/jaes0-26760	M51

Научни радови саопштени на међународним научним скуповима (M31 – M34):

1	<b>Nikola Mitrović</b> , Antonio Pousibet-Garrido, Sandra Veljković, Isidoro Ruiz-Garcia, Danijel Danković, Alberto J. Palma, Goran Ristić, Miguel A. Carvajal, "NFC Implementation Methods for ESP32 Based IoT Systems", Proc. of 16th IEEE International Conference on Advanced Technologies, Systems and Services in Telecommunications (TELSIKS), Nis, Serbia, 2023, pp. 266-269. DOI: 10.1109/TELSIKS57806.2023.10316112	M33
2	<b>Nikola Mitrović</b> , Damian Guirado, Danijel Danković, Alberto J. Palma, Goran Ristić, Miguel A. Carvajal, "Consecutive Irradiation and Thermal Annealing of Commercial P-Channel Power VDMOSFETS", Proc. of 33rd IEEE International Conference on Microelectronics (MIEL), Nis, Serbia, 2023, pp. 1-4. DOI: 10.1109/MIEL58498.2023.10315908	M33
3	Miloš Marjanović, Umutcan Gürer, <b>Nikola Mitrović</b> , Ozan Yilmaz, Danijel Danković, Erhan Budak, Goran Ristić, Ercan Yilmaz, "SPICE Modeling of RADFETs with Different Gate Oxide Thicknesses", Proc. of 33rd IEEE International Conference on Microelectronics (MIEL), Nis, Serbia, 2023, pp. 1-4. DOI: 10.1109/MIEL58498.2023.10315808	M33
4	Sandra Veljković, <b>Nikola Mitrović</b> , Snežana Djorić-Veljković, Vojkan Davidović, Ivica Manić, Emilija Živanović, Srboljub Stanković, Marko Andjelković, Goran Ristić, Albena Paskaleva, Dencho Spassov, Danijel Danković, "Effects in Commercial p-Channel Power VDMOS Transistors Initiated by Negative Bias Temperature Stress and Irradiation", Proc. of 33rd IEEE International Conference on Microelectronics (MIEL), Nis, Serbia, 2023, pp. 1-4. DOI: 10.1109/MIEL58498.2023.10315932	M33
5	Dencho Spassov, Albena Paskaleva, Elzbieta Guziewicz, Tzvetan Ivanov, Todor Stanchev, Vojkan Davidović, Sandra Veljković, <b>Nikola Mitrović</b> , Danijel Danković, "Characterization of the Electric Breakdowns in Metal-Insulator-Silicon Capacitor Structures with HfO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Layers for Non-Volatile Memory Applications", Proc. of 33rd IEEE International Conference on Microelectronics (MIEL), Nis, Serbia, 2023, pp. 1-4. DOI: 10.1109/MIEL58498.2023.10315813	M33
6	Miloš Marjanović, <b>Nikola Mitrović</b> , Sandra Veljković, Emilija Živanović, Danijel Danković, "Is Microelectronics Recognizable in Serbian School System?", Proc. of	M33

	33rd IEEE International Conference on Microelectronics (MIEL), Nis, Serbia, 2023, pp. 1-6. DOI: 10.1109/MIEL58498.2023.10315877	
7	Sandra Veljković, <b>Nikola Mitrović</b> , Igor Jovanović, Emilija Živanović, Albena Paskaleva, Dencho Spassov, Dragan Mančić, Danijel Danković, "Self-heating of stressed VDMOS devices under specific operating conditions", Proc. of 34th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis (ESREF 2023), Toulouse, France, October 2nd -5th, 2023, p..	M33
8	<b>Nikola Mitrović</b> , Sandra Veljković, Danijel Danković, "Impact of low magnetic field on NBT stressed p-channel power VDMOSFETs", Proc. of 16th International Conference on Applied Electromagnetics (PES), Nis, Serbia, 2023, pp. 1-4.	M33
9	<b>Nikola Mitrović</b> , Damian Guirado, Danijel Danković, Alberto J. Palma, Goran Ristić, Miguel A. Carvajal, "Successive irradiation and thermal annealing of commercial p-channel LDMOSFETs", Proc. of 11th International Conference on Radiation in Various Fields of Research (RAD 2023), Herceg Novi, Montenegro, June 2022, p. 189. DOI: 10.21175/rad.abstr.book.2023.33.2	M34
10	Sandra Veljković, <b>Nikola Mitrović</b> , Igor Jovanović, Emilija Živanović, Albena Paskaleva, Goran Ristić, Danijel Danković, "Effects of self-heating and NBTI-induced stress on p-channel power VDMOSFETs", Proc. of 11th International Conference on Radiation in Various Fields of Research (RAD 2023), Herceg Novi, Montenegro, June 2022, p. 191. DOI: 10.21175/rad.abstr.book.2023.33.4	M34
11	<b>Nikola Mitrović</b> , Milan Đorđević, Sandra Veljković, Danijel Danković, "IoT Enabled Software Platform for Air Quality Measurements", Proc. of 3rd E-Business Technologies Conference, Belgrade, Serbia, June 2023, pp. 147-151.	M33
12	<b>Nikola Mitrović</b> , Sandra Veljković, Zoran Prijić, Danijel Danković, "Lifetime estimation of p-channel power VDMOSFETs applied in automotive applications", Proc. of Zooming Innovation in Consumer Technologies Conference (ZINC), Novi Sad, Serbia, 2023, pp. 97-100. DOI: 10.1109/ZINC58345.2023.10174162	M33
13	<b>Nikola Mitrović</b> , Milan Djordjević, Sandra Veljković, Danijel Danković, "Design of IoT platform for air quality monitoring system", Proc. of 19th International Conference "Man and Working Environment" - Occupational and Environmental Safety Engineering & Management (OESEM 2022), Niš, Serbia, November 2022, pp. 195-199.	M33
14	<b>Nikola Mitrović</b> , Sandra Veljković, Vojkan Davidović, Snežana Đorić-Veljković, Snežana Golubović, Emilija Živanović, Zoran Prijić, Danijel Danković, "Impact of negative bias temperature instability on p-channel power VDMOSFET used in practical applications", Proc. of 33th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis (ESREF 2022), Berlin, Germany, September 26th -29th, 2022.	M33
15	<b>Nikola Mitrović</b> , Sandra Veljković, Snežana Đorić-Veljković, Vojkan Davidović, Snežana Golubović, Danijel Danković, Zoran Prijić, "Radiation and pulsed NBTS induced threshold voltage shift in p-channel power VDMOSFETs" Proc. of Advanced Ceramics and Applications X, Belgrade, Serbia, September 2022, p. 81.	M34

16	Sandra Veljković, <b>Nikola Mitrović</b> , Snežana Đorić-Veljković, Vojkan Davidović, Ivica Manić, Snežana Golubović, Aneta Prijić, Zoran Prijić, Goran Ristić, Danijel Danković, "P-channel power VDMOSFETs under the influence of radiation and static/pulsed NBT stress" Proc. of Advanced Ceramics and Applications X, Belgrade, Serbia, September 2022, p. 64.	M34
17	<b>Nikola Mitrović</b> , Milan Đorđević, Sandra Veljković, Danijel Danković, "NFC enabled Wi-Fi managging system forESP32 based IoT system", Proc. of International Conference on E-business technologies (EBT 2022), Belgrade, Serbia, 2022, pp. 57-60.	M33
18	<b>Nikola Mitrović</b> , Sandra Veljković, Vojkan Davidović, Snežana Đorić-Veljković, Snežana Golubović, Emilija Živanović, Zoran Prijić, Danijel Danković, "Characterization of irradiated and NBT stressed p-channel power VDMOSFETs", Proc. of Jubilee 10th International Conference on Radiation in Various Fields of Research (RAD 2022) Spring Edition, Herceg Novi, Montenegro, June 2022, p. 124.	M34
19	<b>Nikola Mitrović</b> , Sandra Veljković, Zoran Prijić, Danijel Danković, "Comparison of the performance of the different GPS receivers in practical applications", Proc. Zooming Innovation in Consumer Technologies Conference (ZINC), Novi Sad, Serbia, May 2022, pp. 11-16. DOI: 10.1109/ZINC55034.2022.9840698	M33
20	<b>Nikola Mitrović</b> , Milan Đorđević, Sandra Veljković, Danijel Danković, "Implementation of WebSockets in ESP32 based IoT Systems", Proc. of 15th International Conference on Advanced Technologies, Systems and Services in Telecommunications (TELSIKS 2021), Niš, Serbia, October 2021, pp. 261-264. DOI: 10.1109/TELSIKS52058.2021.9606244	M33
21	Danijel Danković, Vojkan Davidović, Snežana Golubović, Sandra Veljković, <b>Nikola Mitrović</b> , Sežana Djorić-Veljković, "Radiation and Annealing Related Effects in NBT Stressed P-Channel Power VDMOSFETs" Proc. of 32th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis (ESREF 2021), Bordeaux, France, October 4th -7th, 2021.	M33
22	Danijel Danković, <b>Nikola Mitrović</b> , Sandra Veljković, Vojkan Davidović, Snežana Djorić-Veljković, Zoran Prijić, Albena Paskaleva, Dencho Spassov, Snežana Golubović, "A Review of the Electric Circuits for NBTI Modeling in p-Channel Power VDMOSFETs" Proc. of 32nd International Conference on Microelectronics (MIEL 2021) - Invited talk, Niš, Serbia, September 12th-14th, 2021, pp. 55-62. DOI: 10.1109/MIEL52794.2021.9569030	M31
23	Sandra Veljković, <b>Nikola Mitrović</b> , Snežana Djorić-Veljković, Vojkan Davidović, Ivica Manić, Snežana Golubović, Albena Paskaleva, Dencho Spassov, Zoran Prijić, Aneta Prijić, Srboljub Stanković, Danijel Danković, "Effects of Bias Temperature Stress and Irradiation in Commercial p-Channel Power VDMOS Transistors" Proc. of 32nd International Conference on Microelectronics (MIEL 2021), Niš, Serbia, September 2021, pp. 345-350. DOI: 10.1109/MIEL52794.2021.9569154	M33
24	<b>Nikola Mitrović</b> , Sandra Veljković, Snežana Đorić-Veljković, Vojkan Davidović, Snežana Golubović, Danijel Danković, Zoran Prijić "Methods for modeling of NBTS induced threshold voltage shift in p-channel power VDMOSFETs", Proc. of Advanced Ceramics and Applications IX, Belgrade, Serbia, September 2021, p. 53.	M34

25	Sandra Veljković, <b>Nikola Mitrović</b> , Snežana Đorić-Veljković, Vojkan Davidović, Ivica Manić, Snežana Golubović, Danijel Danković, "Gate oxide degradation of electronic components due to irradiation and bias temperature stress", Proc. of Advanced Ceramics and Applications IX, Belgrade, Serbia, September 2021, p. 62.	M34
26	<b>Nikola Mitrović</b> , Milan Đorđević, Sandra Veljković, Danijel Danković "Testing the efficiency of Wi-Fi data transmission in ESP-based IoT systems", Proc. of International Conference on E-business technologies (EBT 2021), Belgrade, Serbia, June 2021, pp 110-112.	M33
27	<b>Nikola Mitrović</b> , Milan Stojanović, "Practical Methods for teaching of solar cell characterization", Proc. of 55th International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST 2020), Niš, Serbia, September 2020, pp. 85-88. DOI: 10.1109/ICEST49890.2020.9232756	M33
28	Milan Stojanović, <b>Nikola Mitrović</b> , Ljubomir Vračar, Danijel Danković, "Design and realization of solar cell monitoring system", Proc. of 7th Student Conference "Energy Efficiency and Sustainable Development" (SCEESD 2019), Skoplje, North Macedonia, November 2019, pp. 102-107.	M33
29	<b>Nikola Mitrović</b> , Danijel Danković, Zoran Prijić, Ninoslav Stojadinović, "Modelling of $\Delta V_T$ in NBT Stressed P-Channel Power VDMOSFETs", Proc. of 31th International Conference on Microelectronics (MIEL 2019), Niš, Serbia, September 2019, pp. 177-180. DOI: 10.1109/MIEL.2019.8889584	M33
30	<b>Nikola Mitrović</b> , "Comparison of output power between static and rotating solar panel", Proc. of 6th Student Conference "Energy Efficiency and Sustainable Development" (SCEESD 2018), Skoplje, North Macedonia, December 2018, pp. 41-47.	M33

Научни радови саопштени на међународним научним скуповима (M63):

1	<b>Nikola Mitrović</b> , Milan Đorđević, "Implementacija Linuks operativnog sistema na mikrokontrolerima sa ARM arhitekturom", Zbornik radova, 15th Student Projects Conference, IEEEESTEC 2022, Niš, Srbija, Novembar 2020, str. 199-202.	M63
2	Milan Đorđević, Đorđe Mitrović, <b>Nikola Mitrović</b> , "Projektovanje veb aplikacije za grafički prikaz podataka u IoT sistemima", Zbornik radova, 15th Student Projects Conference, IEEEESTEC 2022, Niš, Srbija, Novembar, 2020, str. 203-206.	M63
3	Sandra Veljković, <b>Nikola Mitrović</b> , "Elektrohemijski procesi odgovorni za nestabilnosti VDMOS tranzistora snage usled NBT naprezanja", Zbornik radova, 15th Student Projects Conference, IEEEESTEC 2022, Niš, Srbija, Novembar 2022, pp. 293-297.	M63
4	Emilija Živanović, Miloš Marjanović, Sandra Veljković, <b>Nikola Mitrović</b> , Jana Vračar, Danijel Danković, "U susret jubileju: naša petnaesta godina kroz radionice i druženje", Zbornik radova 15th Student Projects Conference, IEEEESTEC 2022, Niš, Srbija, Novembar 2022, pp. 315-319.	M63

5	<b>Nikola Mitrović</b> , Milan Đorđević, Sandra Veljković, "Primena cirkularnog bafera za prijem podataka korišćenjem UART komunikacije i DMA pristupa", Zbornik radova 14th Student Projects Conference, IEEEESTEC 2021, Niš, Srbija, Novembar 2021, pp. 77-80.	M63
6	Milan Đorđević, <b>Nikola Mitrović</b> , "Projektovanje sistema za kontrolu dnevne svetlosti prostorije u pametnim kućama", Zbornik radova 14th Student Projects Conference, IEEEESTEC 2021, Niš, Srbija, Novembar 2020, str. 245-248.	M63
7	Sandra Veljković, <b>Nikola Mitrović</b> , "Odziv VDMOS tranzistora snage na NBT naprezanje, g-zračenje i odžarivanje", Zbornik radova 14th Student Projects Conference, IEEEESTEC 2021, Niš, Srbija, Novembar 2021, pp. 229-232.	M63
8	Danijel Danković, Miloš Marjanović, Jana Vračar, <b>Nikola Mitrović</b> , Sandra Veljković, Emilija Živanović, "IEEEESTEC na-S-paja", Zbornik radova 14th Student Projects Conference, IEEEESTEC 2021, Niš, Srbija, Novembar 2021, pp. 283-286.	M63
9	Sandra Veljković, <b>Nikola Mitrović</b> , Snežana Đorić-Veljković, Vojkan Davidović, Snežana Golubović, Danijel Danković, "Efekti zračenja i odžarivanja kod naponsko temperaturno napreznih p-kanalnih VDMOS tranzistora snage", 65. konferencija Društva za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku - ETRAN, Etno selo Stanišići, Republika Srpska, Septembar, 2021, pp 321-325.	M63
10	<b>Nikola Mitrović</b> , "Poređenje karakteristika ultrazvučnih modula", Zbornik radova 13th Student Projects Conference, IEEEESTEC 2020, Niš, Srbija, Novembar 2020, str. 177-180.	M63
11	Milan Đorđević, <b>Nikola Mitrović</b> , "Projektovanje platforme za dvosmernu IoT komunikaciju", Zbornik radova 13th Student Projects Conference, IEEEESTEC 2020, Niš, Srbija, Novembar 2020, str. 137-140.	M63
12	<b>Nikola Mitrović</b> , Danijel Danković, Zoran Prijjić, Ninoslav Stojadinović "Modeling of NBTI degradation in p-channel VDMOSFETS", Proc of 2nd YOUng ResearcherS Conference 2020 (YOURS 2020), Belgrade, Serbia, September 2020, p. 18.	M63
13	<b>Nikola Mitrović</b> , Danijel Danković, Zoran Prijjić, Ninoslav Stojadinović, "Modelovanje promena napona praga p-kanalnih VDMOS tranzistora snage tokom NBT napreznja", Zbornik radova 64. konferencije za ETRAN, Niš, Septembar 2020, str. 41.	M63
14	<b>Nikola Mitrović</b> , "Ispitivanje karakteristika optičkog senzora TCRT5000", Zbornik radova 12th Student Projects Conference, IEEEESTEC 2019, Niš, Srbija, Novembar 2019, str. 339-342.	M63
15	<b>Nikola Mitrović</b> , "Projektovanje okruženja za testiranje komponenata", Zbornik radova 12th Student Projects Conference, IEEEESTEC 2019, Niš, Srbija, Novembar 2019, str. 205-208.	M63
16	<b>Nikola Mitrović</b> , "Realizacija sistema za kontrolu pristupa korišćenjem RFID tehnologije", Zbornik radova 11th Student Projects Conference, IEEEESTEC 2018, Niš, Srbija, Novembar 2018, str. 241-244.	M63
17	<b>Nikola Mitrović</b> , "Ispitivanje uticaja prepreke na prostiranje RF signala", Zbornik radova 11th Student Projects Conference, IEEEESTEC 2018, Niš, Srbija, Novembar 2018, str. 177-180.	M63

18	<b>Nikola Mitrović</b> , "Realizacija protivpožarnog alarma na štampanoj ploči", Zbornik radova 11th Student Projects Conference, IEEEESTEC 2018, Niš, Srbija, Novembar 2018, str. 123-126.	M63
19	<b>Nikola Mitrović</b> , "Realizacija zvučnog pojačala", Zbornik radova 11th Student Projects Conference, IEEEESTEC 2018, Niš, Srbija, Novembar 2018, str. 119-122.	M63
20	<b>Nikola Mitrović</b> , "Realizacija LED propelera", Zbornik radova 11th Student Projects Conference, Niš, IEEEESTEC 2018, Niš, Srbija, Novembar 2018, str. 115-118.	M63
21	<b>Nikola Mitrović</b> , Mladen Radivojević, "Praktična realizacija bezbedonosnog sistema", Zbornik radova 10th Student Projects Conference, IEEEESTEC 2017, Niš, Srbija, Novembar 2017, str. 81-84.	M63
22	<b>Nikola Mitrović</b> , "Projektovanje solarnog punjača za baterije", Zbornik radova 10th Student Projects Conference, IEEEESTEC 2017, Niš, Srbija, Novembar 2017, str. 77-79.	M63
23	<b>Nikola Mitrović</b> , "Digitalni termometar realizovan na principu analogno-digitalne konverzije", Zbornik radova 10th Student Projects Conference, IEEEESTEC 2017, Niš, Srbija, Novembar 2017, str. 73-76.	M63
24	<b>Nikola Mitrović</b> , "Princip realizacije igre Lucky Numbers korišćenjem digitalnih elektronskih kola", Zbornik radova 9th Student Projects Conference, IEEEESTEC 2016, Niš, Srbija, Novembar 2016, str. 263-265.	M63