

Scientific qualifications of the PhD studies teaching staff and their tasks

Surname, middle name, Name		Karamarkovic P. Jugoslav	
Title		Full professor	
Scientific career		Applied physics	
Academic career			
	Date	Institution	Field
Elected to the title	20.6.2006.	University of Nis, The Faculty of Civil Engineering and Architecture	Physics
PhD	19.01.1996	University of Nis, The Faculty of Electronic engineering	Electrotechnics
Diploma	20.07.1987.	University of Belgrade, The Faculty of Electronic Engineering	Electrotechnics
List of the courses taught by the teacher at the PhD study program			
No.	Course title		
1	Selected chapters of construction physics		
2	Physically based hydro technical modeling		
Most important papers, according to the requirements of the additional standards for the given field			
1	M.M. Pejovic, G.S. Ristic and J.P. Karamarkovic, "Electrical breakdown in low pressure gases", Journal of Physics D: Applied Physics - Invited Topical Review, vol. 35, pp. R91-R103, 2002.		
2	Semenov, A.D., Richter, H., Huebers, H.-W., Guenther, B., Smirnov, A., Il'in, K.S., Siegel, M., Karamarkovic, J.P., Terahertz performance of integrated lens antennas with a hot-electron bolometer,		
3	C.A. Maluckov, J.P. Karamarkovic, M.K. Radovic, and M.M. Pejovic, "The application of convolution-based statistical model on the electrical breakdown time delay distributions in neon", Physics of Plasmas, vol. 11, No 11, pp. 5328-5334, 2004.		
4	M M Pejovic, E N Zivanovic, M M Pejovic , J P Karamarkovic, "Analysis of processes responsible for the memory effect in air at low pressures", Plasma Sources Sciences and Technology, 5/26, 2010, vol. 19, issue 4, 045021		
5	N T Nestic, G S Ristic, J P Karamarkovic and M M Pejovic, "Modelling of time delay of electrical breakdown for nitrogen-filled tubes at pressures of 6.6 and 13.3 mbar in the increase region of the memory curve", Journal of Physics D: Applied Physics, 26/96, 2008, vol. 41, 225205 (10pp)		
6	M M Pejovic, J P Karamarkovic, G S Ristic and M M Pejovic, "Analysis of neutral active particle loss in afterglow in krypton at 2.6 mbar", Physics of Plasmas, 7/26, 2008, vol. 15, issue 1, 013502 (7pp)		
7	Maluckov, Č.A., Karamarković, J.P., Radović, M.K., Pejović, M.M., Statistical analysis of the electrical breakdown time delay distributions in krypton, Physics of Plasmas 13 (8), art. no. 083502, 2006.		
8	J.P. Karamarkovic and N.D. Jankovic, "Modification of drift-diffusion model for short base transport," IEE Electronic Letters, vol. 36, no. 24, pp. 2047-2049, 2000.		
9	J.P. Karamarkovic, N.D. Jankovic, D.B. Glozic, "Transmission line equivalent circuit model of minority carrier transient current in quasi-neutral silicon layers including inductive effects", International Journal of Numerical Modelling - Electronic Networks, Devices and Fields, vol. 8, no 5, pp. 341-356, 1995.		
10	J.P. Karamarkovic, N.D. Jankovic, B.D. Milovanovic, "Periodical steady-state analysis of minority carrier diffusion including momentum relaxation time", IEE Electronics Letters, vol. 29, no 15, pp. 1316-1317, July 1993.		
11	C.A. Maluckov, M.K. Radovic, S.A. Rancev, G.S. Ristic, J.P. Karamarkovic, The electrical breakdown time delay distributions in "GE 155/500" gas diode (starter), Romanian Reports in Physics, Volume 65, Number 4, 2013		
12	Miodrag K. Radović, Čedomir A. Maluckov, Jugoslav P. Karamarković, Saša A. Rančev, Slobodan D. Mitić, Breakdown Voltage Distributions in Ne-Filled Diode at 1.33 mbar with Corona Appearance in Pre-breakdown Regime, Brazilian Journal of Physics, June 2013, Volume 43, Issue 3, pp 145-151		
13	Čedomir A. Maluckov, Miodrag K. Radović & Jugoslav P. Karamarković, The convolution statistical model of the breakdown voltage in nitrogen at 20 mbar, Radiation Effects and Defects in Solids: Incorporating Plasma Science and Plasma Technology, Volume 167, Issue 12, pp 913-920, 2012		
14	Maluckov, C.A.; Karamarkovic, J.P.; Radovic, M.K.; Pejovic, M.M.; The application of convolution-based statistical model on the electrical breakdown time delay distributions in neon under γ and UV radiation, IEEE Trans. on Plasma Science, Volume:34 Issue:1, 2006		
15	C.A. Maluckov, J.P. Karamarkovic and M.K. Radovic, Investigations of the influence of overvoltage, auxiliary glow current and relaxation time on the electrical breakdown time delay distributions in neon, Contrib. Plasma Physics, vol. 45, no. 2, pp. 118-129, 2005		
16	N.D. Jankovic, T.V. Pesic and J.P. Karamarkovic, 1D physical non-quasi-static BJT circuit model based on the equivalent transmission line analysis, Journal of Comput. Electronics, vol. 3, pp. 13-124, 2004.		

17	C.A. Maluckov, J. Karamarkovic and M. Radovic, Statistical analysis of electrical breakdown time delay distributions in neon tube at 13.3 mbar, IEEE Trans. On Plasma Science, vol. 31, no. 6, pp. 1344-1348, 2003.		
18	M.M. Pejovic, G.S. Ristic, C.S. Milosavljevic, P.D. Vukovic and J.P. Karamarkovic, Statistical reliability of time delay values for nitrogen-filled tube at pressure of 1.3 mbar, Vacuum, vol. 53, no 3-4, pp. 435-440, 1999.		
19	M.M. Pejovic, J.P. Karamarkovic and G.S. Ristic, The application of time delay method for analysis of processes which initiate electrical breakdown in 1.3 mbar nitrogen, IEEE Trans. On Plasma Science, vol. 26, no. 6, pp. 1730-1737, 1998.		
20	J.P. Karamarkovic, N.D. Jankovic, Novel approximative analytical expressions for minority-carrier transit time including recombination, Microelectronics Journal, vol. 28, no. 2, pp. 167-172, 1997.		
Summary data of the scientific activity of the scientist			
Total number of citations	205/176, h-index: 8 (WoS); 241/148 (SCOPUS)	Number of national projects currently participated by the teacher	2
Total number of SCI list papers (SSCI)	21	Number of international projects currently participated by the teacher	0
Personal improvement			
Stayed as a guest scientist for six months in the German center for Aero-cosmical research (DLR- Berlin Adlershof) 2001.			
Other data considered relevant			