

Табела. 9.6. Компетентност наставника

Име и презиме		Јована Петровић		
Звање		Научни саветник		
Ужа научна област		фотоника		
Академска каријера	Година	Институција	Област	Ужа научна односно уметничка област
Избор у звање	2019.	ИНН Винча	физика	фотоника
Докторат	2006.	Астон Универзитет, Велика Британија	физика	фотоника
Магистратура				
Мастер диплома				
Диплома	2002.	Универзитет у Београду	електротехника	оптоелектроника
Списак предмета које наставник држи на докторским студијама				
Р.Б.	Ознака	Назив предмета		
1.	ФИЗДФФЛ9	Фотонични сензори		
Најзначајнији радови у складу са захтевима допунских услова стандарда за дато поље (минимално 10 не више од 20)				
1	J. Wang, L. He, J. Petrovic, A. Al-Refaie, H. Bieker, J. Onvlee, K. Długołęcki, J. Küpper, Spatial separation of 2-propanol monomer and its ionization-fragmentation pathways, Journal of Molecular Structure 1208, 127863 (2020)			
2	J. Petrovic, Long-Term Stability of the Refractive Index Change Induced by a Single Femtosecond Laser Pulse in Glass, Optical Materials X 1, 100004 (2019),			
3	P. Rui, E. Zapolnova, T. Golz, A. J. Krmpot, M. D. Rabasovic, J. Petrovic, V. Asekar, B. Faatz, F. Tavella, A. Perucchi, S. Kovalev, B. Green, G. Geloni, T. Tanikawa, M. Yurkov, E. Schneidmiller, M. Gensch, N. Stojanovic, Photon diagnostics at the FLASH THz beamline, Journal of Synchrotron Radiation 26, 700 (2019)			
4	J. Petrovic and J.J.P. Veerman, A new method for multi-bit and qudit transfer based on commensurate waveguide arrays, Annals of Physics 392, 128 (2018),			
5	M. D. Ivanovic, J. Petrovic, A. Savic, G. Gligoric, M. Miletic, M. Vukcevic, B. Bojovic, Lj. Hadzievski, T. D. P. Allsop and D. J. Webb, Real-time chest-wall-motion tracking by a single optical fibre grating: a prospective method for ventilator triggering, Physiological Measurement 39, 045009 (2018)			
6	M. D. Ivanovic, J. Petrovic, A long-period fibre grating monitor of respiratory volumes for the use in non-invasive mechanical ventilation, Optical and Quantum Electronics 48, 1 (2016)			
7	N. Raicevic, A. Maluckov and J. Petrovic, Theoretical Analysis of a Mach-Zehnder Interferometer with a Porous-Film Waveguide, Journal of Optics 17, 055802 (2015)			
8	J. Petrovic, Multiport waveguide couplers with periodic energy exchange, Optics Letters 40, 139 (2015)			
9	M. D. Petrovic, J. Petrovic, A. Danicic, M. Vukcevic, B. Bojovic, Lj. Hadzievski, T. Allsop, G. Lloyd and D. J. Webb, Non-invasive respiratory monitoring using long-period fiber grating sensors, Biomedical Optics Express 5, 1136 (2014),			
10	M. D. Petrovic, A. Danicic, V. Atanasoski, S. Radosavljevic, V. Prodanovic, N. Miljkovic, J. Petrovic, D. Petrovic, B. Bojovic, Lj Hadzievski, T. Allsop, G. Lloyd and D. J. Webb, Fibre-grating sensors for the measurement of physiological pulsations, Physica Scripta T157, 014022 (2013)			
11	S. Zdravkovic, L. Kavitha, M. V. Sataric, S. Zekovic and J. Petrovic, Modified extended tanhfunction method and nonlinear dynamics of microtubules, Chaos, Solitons and Fractals 45(11), 1378 (2012)			
Збирни подаци научне активности наставника				
Укупан број цитата, без аутоцитата		840		
Укупан број радова са SCI (или SSCI) листе		30		
Тренутно учешће на пројектима		Домаћи 1	Међународни	
Усавршавања		2020-2021 Guest Lecturer, TU Berlin 2018-2020 Laser Scientist, DESY, Hamburg 2010-2011 Postdoc, LENS, Italia 2007-2009 Postdoc, Oxford, UK 2006-2007 Postdoc, Aston University, UK		
Други подаци које сматрате релевантним		2009 - Postgraduate Diploma in learning and Teaching in Higher Education, University of Oxford, UK		
Максимална дужине не сме бити већа од 1 странице А4				

Table. 9.6 Teachers' competences

Name and family name		Jovana Petrovic		
Title		Principal researcher		
Narrow scientific area		photonics		
Academic career	Year	Institution	Area	Narrow scientific or art area
Election to the title	2019	Vinca Institute of Nuclear Sciences	physics	photonics
PhD	2006	Aston University, UK	physics	photonics
Master degree				
Master diploma				
Diploma	2002	University of Belgrade	electronics	optoelectronics
List of subjects the teacher is lecturing in doctoral studies				
No.	Mark	Subject name		
1.	ФИЗДФФЛ9	Photonic sensors		
The most significant papers, in compliance with the requirements of the additional requirements of the standard for the given field (minimum 10, not more than 20)				
1	J. Wang, L. He, <u>J. Petrovic</u> , A. Al-Refaiie, H. Bieker, J. Onvlee, K. Długołęcki, J. Küpper, Spatial separation of 2-propanol monomer and its ionization-fragmentation pathways, Journal of Molecular Structure 1208, 127863 (2020)			R
2	<u>J. Petrovic</u> , Long-Term Stability of the Refractive Index Change Induced by a Single Femtosecond Laser Pulse in Glass, Optical Materials X 1, 100004 (2019),			
3	P. Rui et al., Photon diagnostics at the FLASH THz beamline, Journal of Synchrotron Radiation 26, 700 (2019)			
4	<u>J. Petrovic</u> and J.J.P. Veerman, A new method for multi-bit and qudit transfer based on commensurate waveguide arrays, Annals of Physics 392, 128 (2018),			
5	M. D. Ivanovic, <u>J. Petrovic et al.</u> , Real-time chest-wall-motion tracking by a single optical fibre grating: a prospective method for ventilator triggering, Physiological Measurement 39, 045009 (2018)			
6	M. D. Ivanovic, <u>J. Petrovic</u> , A long-period fibre grating monitor of respiratory volumes for the use in non-invasive mechanical ventilation, Optical and Quantum Electronics 48, 1 (2016)			
7	N. Raicevic, A. Maluckov and <u>J. Petrovic</u> , Theoretical Analysis of a Mach-Zehnder Interferometer with a Porous-Film Waveguide, Journal of Optics 17, 055802 (2015)			
8	<u>J. Petrovic</u> , Multiport waveguide couplers with periodic energy exchange, Optics Letters 40, 139 (2015)			
9	M. D. Petrovic, <u>J. Petrovic</u> , et al., Non-invasive respiratory monitoring using long-period fiber grating sensors, Biomedical Optics Express 5, 1136 (2014),			
10	M. D. Petrovic, A. Danicic, V. Atanasoski, S. Radosavljevic, V. Prodanovic, N. Miljkovic, <u>J. Petrovic</u> , D. Petrovic, B. Bojovic, Lj Hadzievski, T. Allsop, G. Lloyd and D. J. Webb, Fibre-grating sensors for the measurement of physiological pulsations, Physica Scripta T157, 014022 (2013)			
11	S. Zdravkovic, L. Kavitha, M. V. Sataric, S. Zekovic and <u>J. Petrovic</u> , Modified extended tanhfunction method and nonlinear dynamics of microtubules, Chaos, Solitons and Fractals 45(11), 1378 (2012)			
Cumulative data of scientific activity of the teacher				
Total number of citations, without self citations		840		
Total number of papers on the SCI (or SSCI) list		30		
Current participation in projects		Domestic 1	International	
Specialization		2020-2021 Guest Lecturer, TU Berlin 2018-2020 Laser Scientist, DESY, Hamburg 2010-2011 Postdoc, LENS, Italia 2007-2009 Postdoc, Oxford, UK 2006-2007 Postdoc, Aston University, UK		
Other information you consider to be important: 2009 - Postgraduate Diploma in learning and Teaching in Higher Education, University of Oxford, UK				
Maximum length may not be over 1 A4 page				

