

Табела. 9.6. Компетентност наставника

Име и презиме		Саша Дујко				
Звање		Научни саветник				
Ужа научна област		Физика јонизованих гасова и плазме				
Академска каријера	Година	Институција	Област	Ужа научна односно уметничка област		
Избор у звање	2015	Институт за физику Београд	Физика	Физика јонизованих гасова и плазме		
Докторат	2009	Џејмс Кук Универзитет Аустралија	Физика	Кинетичка теорија плазме		
Магистратура	2004	Физички факултет Универзитет у Београду	Физика	Физика јонизованих гасова и плазме		
Диплома	2001	Физички факултет Универзитет у Београду	Физика	Физика јонизованих гасова и плазме		
Списак предмета које наставник држи на докторским студијама						
Р.Б.	Ознака	Назив предмета				
1.	ФИЗДФЛП5	Сударни и транспортни процеси у јонизованим гасовима				
Најзначајнији радови у складу са захтевима допунских услова стандарда за дато поље (минимално 10 не више од 20)						
1.	Monte Carlo simulation of resonance effects of electron transport in a spatially modulated electric field in Ar, N2 and their mixtures, A. Albert, D. Bošnjaković, S. Dujko and Z. Donko, J. Phys. D: Appl. Phys. 54 (2021) 135202			M21		
2.	Third-order transport coefficient tensor of electron swarms in noble gases, I. Simonović, D. Bošnjaković, Z.Lj. Petrović, R.D. White and S. Dujko, Eur. Phys. J. D 74 (2020) 63			M23		
3	Third-order transport coefficient tensor of charged-particle swarms in electric and magnetic fields I. Simonović, D. Bošnjaković, Z.Lj. Petrović, P. Stokes, R.D. White and S. Dujko Phys. Rev. E 101 (2020) 023203			M21		
4	Experimental observation and simulation of the equilibration of electron swarms in a scanning drift tube, Z. Donko, P. Hartman, I. Korolov, V. Jeges, D. Bošnjaković and S. Dujko Plasma Sources Sci. Technol. 28 (2019) 095007			M21a		
5.	Streamer propagation in the atmosphere of Titan and other N2:CH4 mixtures compared to N2:O2 mixtures, C. Köhn, S. Dujko, O. Chanrion and T. Neubert Icarus 333 (2019) 294 - 305			M22		
6.	Electron transport and negative streamers in liquid xenon, I. Simonović, N.A. Garland, D. Bošnjaković, Z.Lj. Petrović, R.D. White and S. Dujko, Plasma Sources Sci. Technol. 28 (2019) 015006			M21a		
7.	Electron transport in mercury vapor: cross sections, pressure and temperature dependence of transport coefficients and NDC effects, J. Mirić, I. Simonović, Z.Lj. Petrović, R.D. White and S. Dujko, Eur. Phys. J. D 71 (2017) 289			M23		
8.	Electron swarm properties under the influence of a very strong attachment in SF6 and CF3I obtained by Monte Carlo rescaling procedures, J. Mirić, D. Bošnjaković, I. Simonović, Z.Lj. Petrović and S. Dujko, Plasma Sources Sci. Technol. 25 (2016) 065010			M21a		
9.	Fluid modeling of resistive plate chambers: impact of transport data on development of streamers and induced signals, D. Bošnjaković, Z.Lj. Petrović and S. Dujko, J. Phys. D: Appl. Phys. 49 (2016) 405201			M21		
10.	Heating mechanisms for electron swarms in radio-frequency electric and magnetic fields S. Dujko, D. Bošnjaković, R.D. White and Z.Lj. Petrović Plasma Sources Sci. Technol. 24 (2015) 054006			M21a		
Збирни подаци научне активност наставника						
Укупан број цитата, без аутоцитата	WoS: 841					
Укупан број радова са SCI (или SSCI) листе	77					
Тренутно учешће на пројектима	Домаћи		Међународни			
Усавршавања	Постдок, Холандски национални институт за математику и информатику, Амстердам, Холандија					
Други подаци које сматрате релевантним						
Максимална дужине не сме бити већа од 1 странице А4						

Table. 9.6 Teachers' competences

Name and family name		Saša Dujko								
Title		Principal research fellow at the Institute of Physics Belgrade								
Narrow scientific area		Physics of ionized gases and plasma physics								
Academic career	Year	Institution	Area	Narrow scientific or art area						
Election to the title	2015	Institute of Physics Belgrade	Physics	Physics of ionized gases and plasma physics						
PhD	2009	James Cook University Australia	Physics	Kinetic theory of plasmas						
Master degree	2004	Faculty of Physics, University of Belgrade	Physics	Physics of ionized gases and plasma physics						
Diploma	2001	Faculty of Physics University of Belgrade	Physics	Physics of ionized gases and plasma physics						
List of subjects the teacher is lecturing in doctoral studies										
No.	Mark	Subject name								
1.	ФИЗДФЛП5	Collisional and transport processes in ionized gases								
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.	Monte Carlo simulation of resonance effects of electron transport in a spatially modulated electric field in Ar, N2 and their mixtures, A. Albert, D. Bošnjaković, S. Dujko and Z. Donko, J. Phys. D: Appl. Phys. 54 (2021) 135202			M21						
2.	Third-order transport coefficient tensor of electron swarms in noble gases, I. Simonović, D. Bošnjaković, Z.Lj. Petrović, R.D. White and S. Dujko, Eur. Phys. J. D 74 (2020) 63			M23						
3	Third-order transport coefficient tensor of charged-particle swarms in electric and magnetic fields I. Simonović, D. Bošnjaković, Z.Lj. Petrović, P. Stokes, R.D. White and S. Dujko Phys. Rev. E 101 (2020) 023203			M21						
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5.	Streamer propagation in the atmosphere of Titan and other N2:CH4 mixtures compared to N2:O2 mixtures, C. Köhn, S. Dujko, O. Chanrion and T. Neubert Icarus 333 (2019) 294 - 305			M22						
6.	Electron transport and negative streamers in liquid xenon, I. Simonović, N.A. Garland, D. Bošnjaković, Z.Lj. Petrović, R.D. White and S. Dujko, Plasma Sources Sci. Technol. 28 (2019) 015006			M21a						
7.	Electron transport in mercury vapor: cross sections, pressure and temperature dependence of transport coefficients and NDC effects, J. Mirić, I. Simonović, Z.Lj. Petrović, R.D. White and S. Dujko, Eur. Phys. J. D 71 (2017) 289			M23						
8.	Electron swarm properties under the influence of a very strong attachment in SF6 and CF3I obtained by Monte Carlo rescaling procedures, J.Mirić, D. Bošnjaković, I. Simonović, Z.Lj. Petrović and S. Dujko, Plasma Sources Sci. Technol. 25 (2016) 065010			M21a						
9.	Fluid modeling of resistive plate chambers: impact of transport data on development of streamers and induced signals, D. Bošnjaković, Z.Lj. Petrović and S. Dujko, J. Phys. D: Appl. Phys. 49 (2016) 405201			M21						
10.	Heating mechanisms for electron swarms in radio-frequency electric and magnetic fields S. Dujko, D. Bošnjaković, R.D. White and Z.Lj. Petrović, Plasma Sources Sci. Technol. 24 (2015) 054006			M21a						
Cumulative data of scientific activity of the teacher										
Total number of citations, without self citations	WoS: 841									
Total number of papers on the SCI (or SSCI) list	77									
Current participation in projects	Domestic		International							
Specialization	Postdoc, Multiscale Dynamics, Centrum Wiskunde & Informatica (CWI), Amsterdam, The Netherlands									
Other information you consider to be important										
Maximum length may not be over 1 A4 page										