

Табела. 9.6. Компетентност наставника

Име и презиме		Драгутин Шевић		
Звање		Научни саветник		
Ужа научна област		Примењена физика		
Академска каријера	Година	Институција	Област	Ужа научна односно уметничка област
Избор у звање	2009	Институт за физику Београд	Физика	Примењена физика
Докторат	1995	Електротехнички факултет Београд	Електротехника	Дигитална обрада слике
Магистратура	1991	Електротехнички факултет Београд	Електротехника	Дигитална обрада сигнала
Диплома	1984	Електротехнички факултет Београд	Електротехника	Електроника
Списак предмета које наставник држи на докторским студијама				
Р.Б.	Ознака	Назив предмета		
	ФИЗДФАМ8	Фото-електронска и масена спектрометрија биомолекула		
Најзначајнији радови у складу са захтевима допунских услова стандарда за дато поље (минимално 10 не више од 20)				
1.	M. S. Rabasović, B. P. Marinković, D. Šević, “Time-Resolved Optical Spectra of the Laser Induced Indium Plasma detected using a Streak Camera,” IEEE Trans. Plasma Sci. 42 (11) (2014). Special issue on images in plasma science.			M23
2.	Dragutin Šević, Maja Rabasović, and Bratislav P. Marinković, “Time-Resolved LIBS Streak Spectrum Processing,” IEEE Trans. Plasma Sci. 39(11) 2782-2783 (2011). Special issue on images in plasma science.			M23
3.	Dragutin Sevic, Janez Krizan, Maja S. Rabasovic, Bratislav P. Marinkovic, “Temperature sensing using YAG:Dy single crystal phosphor,” Eur. Phys. J. D 75, 56 (2021)			M23
4.	M. F. Ferreira, K. Z. R. de Sousa, W. L. Massarotto, E.G. Ricci, E. H. de Faria, K. J. Ciuffi, D. Sevic, L. A. Rocha, E. J. Nassar, “Er ³⁺ /Yb ³⁺ -Doped GdVO ₄ Obtained by the Non-Hydrolytic Sol-Gel Route and Potential Application as Up-Conversion Thermometer”, J. Braz. Chem. Soc., 32(2) 376-384 (2021)			M23
5.	K. R. Hamilton, O. Zatsarinny, K. Bartschat, M. S. Rabasović, D. Šević, B. P. Marinković, S. Dujko, J. Atić, D. V. Fursa, I. Bray, R. P. McEachran, F. Blanco, G. García, P. W. Stokes, R. D. White and M. J. Brunger, “Electron-impact excitation of the (5s25p) 2P1/2 → (5s26s) 2S1/2 transition in Indium: Theory and Experiment”, Phys. Rev. A 102, 022801 (2020)			M21
6.	B. Predojević, D. Šević, B. P. Marinković, R. P. McEachran, F. Blanco, G. García, M. J. Brunger, “Joint theoretical and experimental study on elastic electron scattering from bismuth”, Phys. Rev. A 101, 032704 (2020)			M21
7.	D. Sevic, M. S Rabasovic, J. Krizan, S. Savic-Sevic, M. G. Nikolic, B. P. Marinkovic, M. D. Rabasovic, “YVO ₄ :Eu ³⁺ nanopowders: multi-mode temperature sensing technique”, J. Phys. D: Appl. Phys. 53, 015106 (2020)			M21
8.	Rouaida M. Abozaid, Zorica Ž. Lazarević, Nataša Tomić, Aleksandra Milutinović, Dragutin Šević, Maja S. Rabasović, Vesna Radojević, “Optical properties CaWO ₄ :Nd ³⁺ /PMMA composite layered structures”, Opt. Mater. 96, 109361 (2019)			M22
9.	A. Vlasić, D. Šević, M.S. Rabasović, J. Križan, S. Savić-Šević, M.D. Rabasović, M. Mitrić, B.P. Marinković, M.G. Nikolić, “Effects of temperature and pressure on luminescent properties of Sr ₂ CeO ₄ :Eu ³⁺ nanophosphor”, J. Luminescence 199, 285-292 (2018)			M21
10.	K. R. Hamilton, O. Zatsarinny, K. Bartschat, M. S. Rabasović, D. Šević, B. P. Marinković S. Dujko, J. Atić, D. V. Fursa, I. Bray, R. P. McEachran, F. Blanco, G. García, P. W. Stokes, R. D. White, D. B. Jones, L. Campbell, and M. J. Brunger, “Recommended cross sections for electron–indium scattering”, J. Phys. Chem. Ref. Data 50, (2021)			M21
11.	B. P. Marinković, A. Delneri, M. S. Rabasović, M. Terzić, M. Franko, D. Šević, “Investigation and detection of cyanobacterial Cr-phycoerythrin by laser based techniques”, J. Serb. Chem. Soc. 79(2) 185-198 (2014).			M23
Збирни подаци научне активности наставника				
Укупан број цитата, без аутоцитата			667	
Укупан број радова са SCI (или SSCI) листе			75	
Тренутно учешће на пројектима			Домаћи	Међународни 1
Усавршавања				
Други подаци које сматрате релевантним У Високој школи електротехнике и рачунарства струковних студија, Београд, предавао предмете Дигитална обрада слике и Технике снимања слике од 2003 до 2010 године, а једну школску годину и предмет Електроника. Рецензент за часописе у областима ласерске спектроскопије, нових материјала, флуоресценције, луминесценције, сензорских техника. Био је члан научног комитета међународне конференције Biosignals, под окриљем IEEE.				

Table. 9.6 Teachers' competences

Name and family name		Dragutin Šević		
Title		Principal research fellow		
Narrow scientific area		Applied physics		
Academic career	Year	Institution	Area	Narrow scientific or art area
Election to the title	2009	Institute of Physics Belgrade	Physics	Applied physics
PhD	1995	School of Electrical Engineering Belgrade	Electrical Engineering	Digital image processing
Master degree	1991	School of Electrical Engineering Belgrade	Electrical Engineering	Digital signal processing
Diploma	1984	School of Electrical Engineering Belgrade	Electrical Engineering	Electronics
List of subjects the teacher is lecturing in doctoral studies				
No.	Mark	Subject name		
	ФИЗДФАМ8	Photo-electron and mass spectrometry of biomolecules		
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.		M. S. Rabasović, B. P. Marinković, D. Šević, "Time-Resolved Optical Spectra of the Laser Induced Indium Plasma detected using a Streak Camera," IEEE Trans. Plasma Sci. 42 (11) (2014). Special issue on images in plasma science.		M23
2.		Dragutin Šević, Maja Rabasović, and Bratislav P. Marinković, "Time-Resolved LIBS Streak Spectrum Processing," IEEE Trans. Plasma Sci. 39(11) 2782-2783 (2011). Special issue on images in plasma science.		M23
3.		Dragutin Sevic, Janez Krizan, Maja S. Rabasovic, Bratislav P. Marinkovic, "Temperature sensing using YAG:Dy single crystal phosphor," Eur. Phys. J. D 75, 56 (2021)		M23
4.		M. F. Ferreira, K. Z. R. de Sousa, W. L. Massarotto, E.G. Ricci, E. H. de Faria, K. J. Ciuffi, D. Sevic, L. A. Rocha, E. J. Nassar, "Er ³⁺ /Yb ³⁺ -Doped GdVO ₄ Obtained by the Non-Hydrolytic Sol-Gel Route and Potential Application as Up-Conversion Thermometer", J. Braz. Chem. Soc., 32(2) 376-384 (2021)		M23
5.		K. R. Hamilton, O. Zatsarinny, K. Bartschat, M. S. Rabasović, D. Šević, B. P. Marinković, S. Dujko, J. Atić, D. V. Fursa, I. Bray, R. P. McEachran, F. Blanco, G. García, P. W. Stokes, R. D. White and M. J. Brunger, "Electron-impact excitation of the (5s25p) 2P _{1/2} → (5s26s) 2S _{1/2} transition in Indium: Theory and Experiment", Phys. Rev. A 102, 022801 (2020)		M21
6.		B. Predojević, D. Šević, B. P. Marinković, R. P. McEachran, F. Blanco, G. García, M. J. Brunger, "Joint theoretical and experimental study on elastic electron scattering from bismuth", Phys. Rev. A 101, 032704 (2020)		M21
7.		D. Sevic, M. S Rabasovic, J. Krizan, S. Savic-Sevic, M. G. Nikolic, B. P. Marinkovic, M. D. Rabasovic, "YVO ₄ :Eu ³⁺ nanopowders: multi-mode temperature sensing technique", J. Phys. D: Appl. Phys. 53, 015106 (2020)		M21
8.		Rouaida M. Abozaid, Zorica Ž. Lazarević, Nataša Tomić, Aleksandra Milutinović, Dragutin Šević, Maja S. Rabasović, Vesna Radojević, "Optical properties CaWO ₄ :Nd ³⁺ /PMMA composite layered structures", Opt. Mater. 96, 109361 (2019)		M22
9.		A. Vlasić, D. Šević, M.S. Rabasović, J. Križan, S. Savić-Šević, M.D. Rabasović, M. Mitrić, B.P. Marinković, M.G. Nikolić, "Effects of temperature and pressure on luminescent properties of Sr ₂ CeO ₄ :Eu ³⁺ nanophosphor", J. Luminescence 199, 285-292 (2018)		M21
10.		K. R. Hamilton, O. Zatsarinny, K. Bartschat, M. S. Rabasović, D. Šević, B. P. Marinković S. Dujko, J. Atić, D. V. Fursa, I. Bray, R. P. McEachran, F. Blanco, G. García, P. W. Stokes, R. D. White, D. B. Jones, L. Campbell, and M. J. Brunger, "Recommended cross sections for electron–indium scattering", J. Phys. Chem. Ref. Data 50, (2021)		M21
11.		B. P. Marinković, A. Delneri, M. S. Rabasović, M. Terzić, M. Franko, D. Šević, "Investigation and detection of cyanobacterial Cr-phycoerythrin by laser based techniques", J. Serb. Chem. Soc. 79(2) 185-198 (2014).		M23
Cumulative data of scientific activity of the teacher				
Total number of citations, without self citations			667	
Total number of papers on the SCI (or SSCI) list			75	
Current participation in projects			Domestic	International 1
Specialization				
Other information you consider to be important At The School of Electrical and Computer Engineering of Applied Studies he was giving lectures on Digital image processing and Image taking techniques from 2003 to 2010, also held a course in Electronics for a one year. He is reviewer for journals in area of laser spectroscopy, new materials, fluorescence, luminescence and sensing techniques. He was a member of scientific committee of Biosignals Conference, organized by IEEE.				