

Dr. Jelena Radovanović was born in Belgrade, Serbia, in 1973. She received the B.Sc. degree (five years program) in 1997, the M.Sc. degree (two years program) in 1999, and the Ph.D. degree in 2001, all in electrical engineering, from the School of Electrical Engineering, University of Belgrade, Belgrade Serbia, where she is currently employed as a Full Professor. Her research interests include optical properties of semiconductor nanostructures, modelling of quantum cascade lasers and semiconductor-based metamaterials, as well as tunneling properties of complex photonic heterostructures. Prof. Radovanović has co-authored more than 200 scientific articles, out of which 95 articles in refereed international journals, 115 conference papers, two monographs, one book chapter and two university textbooks. She has participated in 5 national and 10 international projects. She has taught and coordinated several undergraduate courses, master and PhD courses at the School of Electrical Engineering, University of Belgrade and supervised numerous BSc, MSc students and 11 PhD students. She has been appointed as Visiting Professor at the School of Electronic and Electrical Engineering, University of Leeds, UK, in 2012, 2014 and 2015-2019. Her h-index is 12 according to the Web of Science, and her work has been cited 315 times (without self-citations). Prof. Radovanovic is one of the founders and currently the President of the Optical Society of Serbia, as well as a member of the Scientific Society of Serbia (Department of Technical Sciences).

Employment history:

- (1. 12. 2015–present) Full Professor, School of Electrical Engineering, Department of microelectronics and engineering physics, University of Belgrade, Serbia; Vice-Head of the Department
- (2010–2015) Associate Professor, School of Electrical Engineering, Department of microelectronics and engineering physics, University of Belgrade, Serbia
- (2005–2010) Assistant-Professor (full-time), School of Electrical Engineering, Department of microelectronics and engineering physics, University of Belgrade, Serbia
- (2002–2005) Research Associate, Institute of Physics, Center for Solid State Physics and New Materials, Belgrade, Serbia
- (2001–2005) Assistant Professor (part time contract), School of Electrical Engineering, Department of Microelectronics and Engineering Physics, University of Belgrade
- (1.12. 2003 – 1.3.2004) Visiting Research Fellow, Institute of Microwaves and Photonics, School of Electronic and Electrical Engineering, University of Leeds, UK
- (2000-2001) Research Assistant, Institute of Physics, Center for Solid State Physics and New Materials, Belgrade
- (2000-2001) Teaching Assistant (part-time contract), School of Electrical Engineering, Department of Microelectronics and Engineering Physics, University of Belgrade
- (1997–1999) Research Assistant, School of Electrical Engineering, Department of Microelectronics and Engineering Physics, University of Belgrade, Serbia

Selected relevant publications in the past 5 years:

1. D. B.Stojanović, P. P Beličev, J. Radovanović, V. Milanović, Numerical parametric study of chiral effects and group delays in Ω element based terahertz metamaterial, Physics Letters A. 383, 1816 (2019).
2. N. Vukovic, J. Radovanovic, V. Milanovic, D. L. Boiko, Low-Threshold RNGH Instabilities in Quantum Cascade Lasers, IEEE J. Sel. Top. Quantum Electron. 23, 1 (2017).

3. N. Vukovic, J. Radovanovic, V. Milanovic, D. L. Boiko, Analytical expression for Risken-Nummedal-Graham-Haken instability threshold in quantum cascade lasers, *Optics Express* 24, 26911 (2016).
4. S. Radosavljević, J. Radovanović, V. Milanović, Tunneling times in bianisotropic, dispersive and absorptive metamaterials, *Physics Letters A* 380, 4008 (2016).
5. D. B. Stojanović, J. Radovanović, V. Milanović, Delay times in a terahertz chiral metamaterial slab, *Physical Review A* 94, 023848 (2016).

Selected projects:

- 1) 2011. - 2019, sub-project coordinator of the Integral and Interdisciplinary Project of the Ministry of Education and Science entitled "Photonics of micro and nano structured materials" (ev. no III 45010).
- 2) 2014. –2017, Ultrafast Infrared Emitter on a Quantum Cascade – FastIQ“, Swiss National Science Foundation (SCOPEs, Joint Research Projects, ref. no. IZ73Z0_152761), Principal investigator for the Serbian partner
- 4) 2012. –2016. project Co-director for the Serbian partner, NATO Science for Peace and Security Programme, Trace-Gas Sensor Monitoring, full project title “Terahertz QCL Based Spectrometer for Rapid Detection of Chemical Agents and Explosives” , ref. no. ISEG.EAP.SFPP 984068.
- 7) 2013. -2017. “European Network for Skin Cancer Detection using Laser Imaging“, COST action BM1205, MC member, core group member, STSM coordinator.
- 8) 2013. -2016. “TERA-MIR Radiation: Materials, Generation, Detection and Applications“, COST action MP1204, MC member.

Refereeing and organizational activity:

- Expert of the European Commission, appointed as a member of several expert pools and panels comprising diverse expert groups for the evaluation of R&D proposals under different calls in FP7 and Horizon2020, also engaged as an independent reviewer (monitor) on currently funded projects by the European Commission.
- Referee for *Physical Review B*, *Journal of Applied Physics*, *Optics Express*, *Physica Status Solidi B*, *Nanoscale Research Letters*, *Journal of Renewable and Sustainable Energy*, *IEEE Journal of Photovoltaics*, *Optical Materials*, *European Physical Journal B*, *Optical and Quantum Electronics*, *Physica E*, *Optics Communications*, *Applied Optics*, *Applied Physics A*, *PLoS ONE*, *Photonics*, *Journal of Computational Electronics*, *ACS Photonics*
- Referee for the national conference of ETRAN, and international conferences MIEL, Photonica09, NUSOD 2008 (Nottingham, UK), Photonica2011, META 2012