

1. Personal data and research interest

name: Milutin Stepic

date and place of birth: 30.10.1969, Zemun, SFR Yugoslavia

research interest: photodynamic therapy, nonlinear optics and dynamics, waveguides, nanobiophotonics

2. Education

2004 **Dr. Rer. Nat.** Physics/Nonlinear Optics, Clausthal University of Technology, Clausthal-Zellerfeld, Germany

2001 **Magister of Physics** (Theoretical Physics of Plasmas), University of Belgrade, Serbia

1997 **Dipl. Phys.** (Theoretical and Experimental Physics), University of Belgrade, Serbia

3. Present positions

2013- **Research professor**, permanent position, Vinča Institute of Nuclear Sciences, Belgrade, Serbia

2021- **Adviser of the Director** of Vinča Institute of Nuclear Sciences, Belgrade, Serbia

4. Postdoctoral positions

2005–2006 Clausthal University of Technology, Clausthal-Zellerfeld, Germany

2006-2007 National Institute of Metrology (PTB), Braunschweig, Germany

5. Previous positions and periods of appointment

1998-1999 **Physics teacher**, "D. Maksimović" Primary-school, and EMŠ "Zemun" High-school, both in Zemun, Serbia

1999-2002 **Research Trainee**, Vinča Institute of Nuclear Sciences, Belgrade, Serbia

2002-2004 **Research Assistant**, Institute of Physics and Physics Technologies Clausthal University of Technology, Clausthal-Zellerfeld, Germany

2002-2006 **Research Associate**, Vinča Institute, Belgrade, Serbia

2006-2008 **Research Assistant Professor**, Vinča Institute, Belgrade, Serbia

2008-2013 **Research Associate Professor**, Vinča Institute, Belgrade, Serbia

2009-2013 **Deputy head**, Atomics Physics Laboratory, Vinča Institute of Nuclear Sciences, Belgrade, Serbia

2021- **Head** of the Center for light-based research and technologies COHERENCE, Belgrade, Serbia

6. Supervision of PhD students and teaching duties

2008-2010 Goran Gligorić, University of Belgrade, Serbia

2009-2012 Petra P. Beličev, University of Belgrade, Serbia

2019- Mirjana G. Stojanović, University of Niš, Serbia

2020- Irena Miler, University of Belgrade, Serbia

2016- **Lecturer** in Photonics (PhD program) at Faculty of Science and Mathematics, University of Niš, Serbia

7. Other information

Organizing activities:

2009 **Chair of the Scientific and Organizing Committee** of the I national conference “Photonica 2009 - theory and experiments in Serbia”

2015 **Chair of the Scientific and Organizing Committee** of the V international summer school and conference on photonics - Photonica 2015

2011-2019 **Member of the Scientific Committee** of the III international conference on optical materials and devices – ICOM 2012 and the III, IV, VI. and VII international summer school and conference on photonics - Photonica 2011, 2013, 2017 and 2019

Professional activities:

2003- **Reviewer** in: Opt. Lett, Opt. Exp., Phys. Rev. A, Phys. Rev. E, Phys. Rev. Lett, Phys. Rev. Appl., Phys. Rev. Res., Appl. Phys. B, J. Opt. Soc. Am. B, Phys. Lett. A, NIMB, Physica Scripta, Chin. Phys. Lett., Opt. Eng., Acta Phys. Polon. A, Sci. Rep. and Las. Phot. Rev.

2010-2013 **Project reviewer** for the Serbian (2010) and Georgian (2011-2013) Ministry of Science.

Editorial work:

2011-2012 **Guest editor**, Topical Issue 3rd International School/Conference on Photonics, Eds. J. Petrović, **M. Stepić** and Lj. Hadžievski, Physica Scripta, **T149**, 010101 (2012).

2015-2016 **Guest editor**, Topical Collection “Advances in the Science of light”, Eds. J. Radovanović, M. F. Pereira, D. Indin, M. Sumetsky, **M. Stepić**, Opt. Quant. Electron. **48**, 408 (2016).

Gremien:

2011-2013	Founder and the first president of the Optical Society of Serbia
2012-2016	Co-founder and vice-president of the Society of researchers “Vinča”
2019	Co-founder of the Network of Academic Solidarity and Engagement

Awards:

2007	The yearly award of the Vinča Institute of Nuclear Sciences
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Recent projects:

2011-2019 Project III 45 010, “Photonics of micro and nano structured materials”, Ministry of Education, Science and Technological development of Republic of Serbia, **subproject leader**

2018-2019 Bilateral German-Serbian project, grant: 451-03-01732/2017-09/15

“Optical transitions in photonic lattices”, **principal investigator of the Serbian team**

2018-2019 Bilateral Chinese Serbian project, grant: 451-00-478/2018-09/16

„Nitrogen- and carbon- doped TiO₂ nanoparticles as anti cancer, light-controlled metallo-drug delivery system“, **principal investigator of the Serbian team**

Talks:

Rostock, Dresden, Chemnitz, Clausthal-Zellerfeld, Erlangen (DE), Loughborough (UK), Beijing, Jinan (CHN), Sarajevo, Jahorina (BIH), Linköping (S), Belgrade, Niš (SRB), Sevilla (E), Santiago, Pucón (CHI)...

Publications:

Around 60 publications in peer reviewed journals including: Opt. Lett., Opt. Exp., Phys. Rev. A, B, and E, J. Photochem. Photobiol. A and B, and Phys. Rev. Lett. that are, according to the Scopus, cited more than 1000 times. The corresponding h-index=17 whereas h10-index=25.