

# Goran Gligorić

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## EDUCATION

- Ph.D (2010)** School of Electrical Engineering, Dept. of Physical Electronics,  
University of Belgrade, Belgrade, Serbia  
Thesis title: *Dynamics of localized modes in Bose-Einstein condensates in optical lattices*
- M.Sc.(2008)** School of Electrical Engineering, Dept. of Physical Electronics,  
University of Belgrade, Belgrade, Serbia  
Thesis title: *Inelastic energy losses of He ions singly scattered from chromium surface in the keV energy region*
- B.Sc.(2004)** School of Electrical Engineering, Dept. of Physical Electronics,  
University of Belgrade, Belgrade, Serbia  
Thesis title: *Coherent radiation and its applications*

## EMPLOYMENT HISTORY

- September, 2004/  
June, 2008** Research Student at the Laboratory of Atomic Physics,  
Vinča Institute of Nuclear Sciences, Belgrade, Serbia
- July, 2008/  
June, 2010** Research Associate at the Laboratory of Atomic Physics,  
Vinča Institute of Nuclear Sciences, Belgrade, Serbia
- October, 2010/  
November, 2012** Guest Scientist at the Max Planck Institute for the Physics of Complex  
Systems, Dresden, Germany
- July, 2010/  
October, 2015** Research Assistant Professor at the Laboratory of Atomic Physics,  
Vinča Institute of Nuclear Sciences, Belgrade, Serbia
- November, 2015/** Research Associate Professor at the Laboratory of Atomic Physics,  
Vinča Institute of Nuclear Sciences, Belgrade, Serbia

## CURRENT FIELDS OF INTERES

- Nonlinear dynamics and complex systems
- Numerical and analytical studies of continual and discrete nonlinear systems
- Nonlinear Matter Waves
- Solitons and breathers in nonlinear optical systems
- Metamaterials
- Signal processing

## **EARLIER FIELDS OF INTERES**

- Ion-surface interactions
- Low energy ion scattering
- Surface composition characterization
- Ion sputtering
- Numerical simulations of ion-surface interactions
- Laser-material interactions

## **PROJECTS**

<b>2017-</b>	Participation in the COST action “Quantum Technologies with Ultra-Cold Action Propos Atoms (AtomQTech)” (CA16211)
<b>2015-2019</b>	Participation in the HORIZONE2020RISE project “Capturing and quantitative analysis of multi-scale multi-channel diagnostic data - CARDIALLY” (Ref. no. 691051)
<b>2014-2019</b>	Participation in the COST action “Nanoscale Quantum Optics (NQO)” (MP1403)
<b>2014-2016</b>	Participation in the trilateral project Sweden-Chile-Serbia “Control of light and matter waves propagation and localization in photonic lattices” (Swedish Research Council, grant 2013-6752)
<b>2013-2015</b>	Participation in the bilateral project Serbia-Italy “Multi-State Atom Interferometers”(RS13MO10)
<b>2011-2019</b>	Participation in the project “Photonics of micro and nanostructured materials” (Ministry of Education and Sciences, Serbia III45010 )
<b>2012-2013</b>	Participation in the German-Serbian joint project “Breaking symmetry and all optical light routing in complex photonic lattices” (DAAD 680-00-00095/2012-09/5)
<b>2008-2010</b>	Participation in the project “Physics of Complex Phenomena in Plasmas, Condensed Matter Physics and Nonlinear Optics” (Ministry of Sciences and Technology, Serbia 141034 )
<b>2006-2008</b>	Participation in the project “Preparation and Characterization of Nanostructured Material Surfaces” (Ministry of Sciences and Technology, Serbia 141001 )

## **COMPUTER SKILLS**

- Programming and technical computing languages: MATLAB, MATHEMATICA, FORTRAN, PYTHON
- Work with Computer Clusters, OS: Windows, Linux

## **MEMBERSHIPS**

- Optical Society of Serbia (deputy president)
- Society of Physicists of Serbia

## **LANGUAGES**

Serbian (native), English (fluent), German (intermediate)

## **OTHERS**

- Reviewer for Physical Review Letters, A and E, Physical Letters A, etc.
- Guest lead editor at Optical and Quantum Electronics (2019-2020)
- More than 40 publications in Scientific Journals; dozens participation in Scientific Conferences and Workshops; supervision of one PhD student; annual award in 2010 for the best young scientist of Vinča Institute of Nuclear Sciences.