# 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/ November, 2020** Research Associate Professor at the Laboratory of Atomic Physics, Vinča Institute of Nuclear Sciences, Belgrade, Serbia

**December, 2020/** Research 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

**2017-** Participation in the COST action "Quantum Technologies with Ultra-Cold Action Propos Atoms (AtomQTech)" (CA16211)

**2015-2019** Participation in the HORIZONE2020RISE project "Capturing and quantitative analysis of multi-scale multi-channel diagnostic data - CARDIALLY" (Ref. no. 691051)

**2014-2019** Participation in the COST action "Nanoscale Quantuom Optics (NQO)" (MP1403)

**2014-2016** 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)

**2013-2015** Participation in the bilateral project Serbia-Italy "Multi-State Atom Interferometers"(RS13MO10)

**2011-2019** Participation in the project "Photonics of micro and nanostructured materials" (Ministry of Education and Sciences, Serbia III45010 )

**2012-2013** 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)

**2008-2010** Participation in the project "Physics of Complex Phenomena in Plasmas, Condensed Matter Physics and Nonlinear Optics" (Ministry of Sciences and Technology, Serbia 141034 )

**2006-2008** 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 (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; supervison of one PhD student; annual award in 2010 for the best young scientist of Vinča Institute of Nuclear Sciences.