

Curriculum Vitae

Surname: Georgiev

Forenames: Peter Alexandrov

Date of Birth: 01/04/1971

Nationality: Bulgarian

Marital status: married

Work address: The University of Sofia, Faculty of Physics, “James Bourchier” blvd. 5,
Sofia 1164, Bulgaria

E-mail: pageorgiev@phys.uni-sofia.bg

Tel: +35928161470

Fax: +35929625276

Researcher unique identifier(s) (ORCID, ResearcherID, etc.): 0000-0003-0893-4994

EDUCATION

2004 PhD, Thesis title: “*Microgravimetric and Neutron scattering studies of the hydrogen storage mechanisms in LaNi_5 types of compounds and Single-Wall Carbon Nanotubes*”

ISNI: [0000 0001 3494 8500](https://orcid.org/0000-0001-3494-8500)

Disputation date: 12.12.2003, award date 13.07.2004, School of Sciences, The University of Salford, United Kingdom

1995 MSc, Thesis title: “*Structure, Thermodynamics and Electrochemistry of the $\text{LaNi}_x\text{M}_x/\text{H}$ system, $M=\text{Co},\text{Al}$* ”

Public defence 07/1995, Faculty of Physics, Department of Condensed Matter Physics and Microelectronics, The University of Sofia

CURRENT AND PREVIOUS POSITIONS

2017-current Current Position: Associate professor, Faculty of Physics, Department of Condensed Matter Physics and Microelectronics, The University of Sofia

2012-2015 Tenure track academic fellowship, Department of Applied Inorganic Chemistry, The University of Sofia

2007-2012 Research fellow, Department of Structural Chemistry, The University of Milano

2005-2006	Marie Curie research fellowship, Department of Structural Chemistry, The University of Milano
2003-2005	Research Assistant, Institute for Materials Research, The University of Salford, United Kingdom
1996-1997	Obligatory Army Service, Bulgaria

SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS

2018-2021	3 BSc students, Faculty of Physics, Department of Solid State Physics and Microelectronics, The University of Sofia
2022	1 MSc student, Faculty of Physics, Department of Solid State Physics and Microelectronics, The University of Sofia
2019-2021	1 postdoc, Faculty of Physics, Department of Solid State Physics and Microelectronics, The University of Sofia

TEACHING ACTIVITIES

2017- *current* Teaching position – Topic, Name of University/Institution/Country

1. Molecular physics and thermodynamics (in English), University of Sofia, Bulgaria
2. Molecular physics and thermodynamics (in Bulgarian) , University of Sofia, Bulgaria
3. Condensed matter physics(in Bulgarian), University of Sofia, Bulgaria
4. Physics of the macrosystems (in Bulgarian), University of Sofia, Bulgaria
5. Renewable energy technology and related materials, University of Sofia, Bulgaria
6. First course in Materials for engineers, University of Sofia, Bulgaria

2016 -2017 General physcs laboratory course, Department of Physics, Technical University, Sofia, Bulgaria

2001 – 2005 Computational physics practical course, The University of Salford, Salford UK

REPRESENTATIVE RESEARCH PROJECTS

2003-2005 “Preparation and Characterisation of Single-Wall Carbon nanotubes for Hydrogen Storage”, Institute for Materials Research, The University of Salford, UK

2005-2006 “New Chemistry and Catalysis with Hydride Compounds’ – EU Marie-Curie project HPRN-CT-2002-00176, University of Milano, Italy

2007-2008 “Design and development of nanoporous materials for gas adsorption: applications in energy problems’ Italian National Cariplo Foundation project: 2007-2008

2008 – 2012 “Coordination nanoporous networks: Synthesis Strategies for the use of new polyfunctional ligands and their nanostructural and hydrogen storage characterization” University of Milano

2012 - 2015 Beyond Everest REGPOT-2011-1, European Commission 7th Framework Programme ‘Research Infrastructures’ action of the ‘Capacities’ Programme.

2019 – 2020 “Local Structure of Cu(I), Cu(II), Fe(II) и Fe(III) ions in nanomaterials for the nanomedicine and ecology.” SU-FNI, 80-10-151/2019

2019 – 2022 “National Science Program E+ Low Carbon Energy for the Transport and Households, Grant D01-214/2018 from Ministry of Science and Education, Bulgaria

2021 – 2023 “Raman spectroscopy of small molecule dynamics under compression and confinement “, National co-finance grant KP-06-COST/5, NSF, BG

2021 – 2024 “Functional properties of new adsorbents for radioactive noble gases and pathways for efficient design with temperature dependence compensation”, FNI, BG Grant KP-06-458/9

2022 – 2023 “Multifunctional magnetic nanoceramics with antitumor and antibacterial applications”, FNI-SU, The University of Sofia, Bulgaria, Grant 80-10-18/2022