Curriculum Vitae
Petr Slavíček

Address:
Department of Physical Chemistry
University of Chemistry and Technology, Prague
Technická 5, 166 28 Prague 6
Czech Republic
Phone: +420-220-444 064
Fax: +420-220-444 333
E-mail: Petr.Slavicek@vscht.cz
www: http://photox.vscht.cz

Academic Experience:

2015-now	Professor, University of Chemistry and Technology, Prague.
2010-2014	Associate Professor, University of Chemistry and Technology, Prague.
2006-now	Research Associate, Heyrovský Institute of Physical Chemistry
2010	1 week, visiting Professor at Université Lille
2009	1 month, visiting Professor at Université-Marne-La-Vallee, Paris
2006-now	Short term stays in the laboratory of Prof. Todd Martínez, UIUC and Stanford University, 3 months in total
2009	Habilitation at the University of Chemistry and Technology, Prague
2006-2009	Assistant Professor, University of Chemistry and Technology, Prague
2003-2005	Postdoctoral Fellow, Department of Chemistry, University of Illinois, Urbana-Champaign, Prof. Todd Martínez
2001	3 month stay in Freie Universität Berlin, Dr. Burkhard Schmidt
2001	3 month stay in Université Pierre et Marie Curie - Paris, Prof. Marius Lewerenz
1999-2003	Charles University, Faculty of Mathematics and Physics and Heyrovský Institute of Physical Chemistry, Ph.D. in Molecular Physics, Thesis: Structure and Dynamics of Chromophores in the Cryogenic Environment
1994-1999	Charles University, Prague, Faculty of Science, Chemistry, M.Sc. in physical chemistry, graduation *summa cum laude*

Grants and Awards:

2015	Dynamics and (Photo)Chemistry of Pollutants at the Ice/Air and Water/Air Interfaces by Experiment and Theory
2014	COST Action *Our Astrochemical History*

2014	Internal grant UCT PIGA – Innovation of Quantum Chemistry (N403021)
2014-2017	*Atmospherical* clusters and aerosols: Experiments in molecular beams and Theory, GAČR
2012	Learned Society Prize for pedagogical activities
2013-2017	*Ab initio* simulations of X-ray initiated photodynamics and spectroscopy in aqueous solutions, Grant Agency of the Czech Republic.
2012-2013	Theoretical study of photochemical processes on ice surfaces (PHOTOATMOS), project of Czech-French cooperation Barrande.
2011	Publication grant: Vademecum of theoretical chemistry, FRVŠ.
2011-2013	Dynamics of solvated electrons in molecular clusters: Experimental and theoretical approach, Grant Agency of the Czech Republic.
2013	Prasinochemistry studied by methods of physical and theoretical chemistry, UCT grant.
2012	Physical chemistry: efficient tool of prasinochemistry, UCT grant.
2011	Prasinochemical aspects of physical chemistry, UCT grant.
2010	Prasinochemistry from a perspective of physical chemistry, UCT grant.
2010-2014	Molecular simulation studies of structure and dynamics of ice surfaces in the presence of impurities and atmospheric pollutants, Grant Agency of the Czech Republic.
2009-2013	Photochemical processes on free nanoparticles of atmospheric and biophysical relevance, Grant Agency of the Czech Republic.
2008-2012	Photochemical reactions in a complex environment: a theoretical study, Ministry of education of the Czech Republic, project of the Czech-American cooperation.
2007-2009	Photochemical mechanisms studied by means of quantum chemistry, quantum dynamics and molecular simulations: Method development and applications, Grant Agency of the Czech Republic.
2006-2010	Experimental and theoretical study of free nanoparticles: flying nanoreactors for molecular level studies, Project: Nanotechnology for society, Grant Agency of the Academy of Sciences of the Czech republic, together with Dr. Michal Farnik.
2006	Internal Grant UCT
2002	DAAD Fellowship
2001	NATO Fellowship

Research Interests:

- Development of the *ab initio* quantum molecular dynamics methodology
- Photochemical dynamics (photodissociation, photoisomerization, excited state proton transfer, photoionization)
- Development of the QM/MM methods for photodynamics

- *Ab initio* methods for excited states of extended systems
- Molecular clusters
- Solvation dynamics in solutions and biological systems
- Quantum Monte Carlo methods
- *Ab initio* calculations of weakly bound systems
- X-ray initiated processes
- Photoionization and electron transfer in condensed phase
- Scientific popularization, Chemical Olympiad organization