

Prof. Vyacheslav Silkin

Russian Academy of Science, Tomsk, Russia

01/01/2012

Ultrafast dynamics of the one-particle and collective electronic excitations in metals and their surfaces.
The study of electronic excitations at adsorbates on metal surfaces.

Prof. Jeremy Baumberg

Cavendish Laboratory, Cambridge, United Kingdom

03/04–30/09/2012

Nanophotonics, optical nanoantennas, plasmonics, field enhanced spectroscopy, sers, seira, optics of tunneling configurations, plasmon excitations in stem, quantum dots, hybrid systems, near field optical microscopy, optoelectronics, quantum optics.

Prof. Thomas Frederiksen

Technical University of Denmark, Denmark

15/08/2012

Quantum transport theory and electronic structure methods.

Prof. Arantazu Garcia Lekue

Lawrence Berkeley National Laboratory, USA

01/11/2012–30/10/2017

Modeling electron transport at the nanoscale. Theoretical investigation of electron processes at nanostructured surface.

Prof. María José Cabrera San Félix

University of Liverpool, United Kingdom and Fundación Donostia International Physics Center,

Donostia-San Sebastián, Spain

01/11/2012–31/10/2017

Molecular level understanding of the interaction of molecules (particularly water) with surfaces and their self-assembly to form extended structures. Electronic and structural properties of clean and decorated surfaces: surface reconstructions and chemical reactivity.

Prof. Juan José Saenz Gutierrez

Universidad Autónoma de Madrid, Spain

01/09/2013–31/08/2014

Molecular level understanding of the interaction of molecules (particularly water) with surfaces and their self-assembly to form extended structures. Electronic and structural properties of clean and decorated surfaces: surface reconstructions and chemical reactivity.

Development and applications of time-dependent density matrix functional theory

Ali Akbari (UPV/EHU)

September 2012

Supervisor: Angel Rubio Secades

Tetrapyrrole molecules on metallic and oxide surface: reactivity and structure

Rubén Gonzalez Moreno (Universidad Autónoma de Madrid)

October 2012

Directora: Celia Rogero

Surface states manipulation via surface/interface defects and adsorbates

Zakaria Mohammed Abd El-Fattah (UPV/EHU)

October 2012

Supervisor: Enrique Ortega Conejero

Collective electronic excitations in layered metallic systems

Juan Pablo Echeverry (UPV/EHU)

November 2012

Supervisors: Eugene Tchulkov and Viacheslav Silkin

Reactivity and dynamics of N₂ and O₂ on different metal surfaces

Itziar Goikoetxea Martínez

February 2013

Supervisors: Maite Alducin and Iñaki Juaristi

Rare earth/Noble metal surface alloys

Maidor Ormaza Saezmiera

June 2013

Supervisor: Enrique Ortega Conejero

Slow dynamics in nanostructured phases of diblock, gradient and random copolymers

Mohammed Zakaria Slimani

July 2013

Supervisor: Angel José Moreno Segurado