



Spins on Surfaces II (SOS2)

10.Sep - 14.Sep 2018

Cod. Z05-18

Mod.:

Face-to-face

Edition

2018

Activity type

Workshop

Date

10.Sep - 14.Sep 2018

Location

Miramar Palace

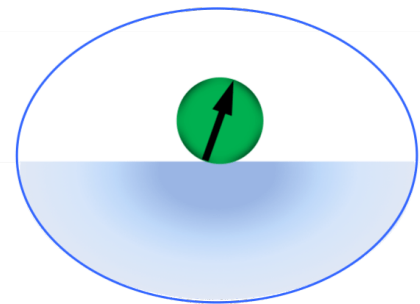
Languages

English

Academic Validity

50 hours

Organising Committee



Description

Following the very successful SoS meeting of 2016 at the Miramar palace, we plan on hosting the second SoS workshop. The topic is timely and in expansion. We increase the original scope of the workshop to include the very exciting developments in quantum information thanks to the new ability of the scanning tunneling microscope (STM) to measure and control quantum spins. Then, the workshop will be devoted to the study of single magnetic moments on solid surfaces, their detection, manipulation, and encoding of quantum information. The single magnetic moments can be in atomic or molecular form, both systems having interesting properties to explore. Of great interest, the detection of spin resonance signal is becoming a landmark, and it is important to keep updated in this quickly developing field. The problems of correlations and the building in of information by manipulation and assembling quantum objects in a bottom up approach will also be a key component of the workshop.

This workshop is planned for September 10-14, 2018 at the Palacio de Miramar, San Sebastian, Spain.

Organizing committee:

Deung-Jang Choi, DIPC, Donostia-San Sebastian (chair)

Andreas Heinrich, Center for Quantum Nanoscience, Korea

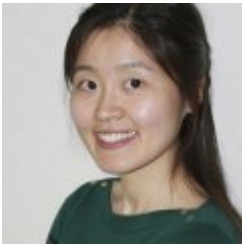
Objectives

The Scanning Tunneling Microscope is giving unprecedented insight into magnetic phenomena on the atomic scale. The objective of this meeting is to share the state-of-the-art among the actors in this field, as well as among interested students/researchers in related areas.

Course specific contributors



Directed by



Deung-Jang (DJ) Choi ---

Centro de Física de Materiales (CSIC-UPV/EHU)

Registration fees

REGISTRATION FEES

UNTIL 14-09-2018

INVITED SPEAKER / ORGANIZER

0 EUR

REGULAR FEE

250,00 EUR

Place

Miramar Palace

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa