International Workshop on Quantum Spintronics at Interfaces (MAGNON)

Ira. 04 - Ira. 08 2017

Kod. Z20-17

Mod.:
Aurrez aurrekoa

Edizioa
2017

Jarduera mota
Workshop

Data
Ira. 04 - Ira. 08 2017

Kokalekua
Miramar Jauregia

Hizkuntzak
Ingelesa

Balio akademikoa
50 ordu

Antolakuntza Batzordea

EUSKO JAURLARITZA
GOBIERNO VASCO
HEZKUNTZA SAILA
DEPARTAMENTO DE EDUCACIÓN

Azalpena

The workshop will focus on novel phenomena occurring at interfaces between metallic conductors and magnetic insulators as well as in recently-discovered quantum magnetic materials, both offering a rich playground for Quantum Spintronics. The workshop will bring together leading experts, experimentalists and theorists, working at the crossroads between magnon spintronics and quantum magnetism. We will discuss recent developments in electrical control and detection of spin currents through magnetic insulators, collective spin transport and spin waves, quantum correlations and novel quantum heterostructures for spintronics, bosonic condensation and superfluidity of magnons, topological order and dynamics in quantum magnetic materials. We hope the workshop will foster collaborations in this rapidly developing field, important for the fundamental physics and applications.

Organizing committee:

Yaroslav Tserkovnyak. Department of Physics & Astronomy, University of California. Los Angeles, California. United States

Vitaly Golovach. Ikerbasque Research Fellow. Materialen Fisika Zentroa CFM and Donostia International Physics Center. Donostia / San Sebastian.

Ikastaroaren laguntzaile espezifikoak

Zuzendaritza

Vitaly Golovach

Ikerbasque Research Fellow, Materialen Fisika Zentroa CFM and Donostia International Physics Center, Ikerbasque Research Fellow

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Yaroslav Tserkovnyak -

Department of Physics & Astronomy, UCLA, -

Matrikula prezioak

REGISTRATION	2017-08-29 ARTE
Invited Speaker	0 EUR
Regular Fee	300,00 EUR

Kokalekua

Miramar Jauregia

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Gipuzkoa