



# International Workshop on Quantum Spintronics at Interfaces (MAGNON)



**04.Sep - 08.Sep 2017**

**Cod. Z20-17**

**Mod.:**

Face-to-face

**Edition**

2017

**Activity type**

Workshop

**Date**

04.Sep - 08.Sep 2017

**Location**

Miramar Palace

**Languages**

English

**Academic Validity**

50 hours

**Organising Committee**



## Description

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.

## Course specific contributors



## Directed by



### **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, -

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# Registration fees

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

## **Place**

### **Miramar Palace**

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa