

# Tensor Network States and Methods for Quantum Manybody Systems (TENSOR19)



## 25.Nov - 29.Nov 2019

Cod. Z21-19

**Mod.:** Face-to-face

**Edition** 2019

**Activity type** Workshop

**Date** 25.Nov - 29.Nov 2019

Location Materials Physics Center (CSIC-UPV/EHU)

**Languages** English

Academic Validity 50 hours

Web http://tensor2019.dipc.org

### **Organising Committee**









## Description

The school will bring together around 70 students in the field of tensor network states, who will learn directly from international experts. We plan to invite 5-6 researchers who will give lectures on a variety of topics, including Matrix Product States, Projected Entangled-Pair States, Entanglement Renormalization, and holography. We plan to have some theory lectures together with other more focused on programming skills.

#### **Organizing committee**

Román Orús (DIPC)

Frank Pollmann (TU Munich)

Norbert Schuch (MPQ)

Frank Verstraete (Univ. Ghent)

#### **Objectives**

The aim of the school is to teach young PhD students the basics of tensor-product states as well as the most recent technical developments. This is particularly important given the increasing number of groups working on this quickly evolving topic. The lectures will be given by researchers who work actively both on the development and the application of tensor-product state based methods.

### **Course specific contributors**







## Directed by



Roman Orús Donostia International Physics Center

# **Registration fees**

#### REGISTRATION

**Regular** Attendant

UNTIL 25-11-2019

0 EUR

## Place

## Materials Physics Center (CSIC-UPV/EHU)

Manuel de Lardizabal, 4. 20018 Donostia / San Sebastián

Gipuzkoa