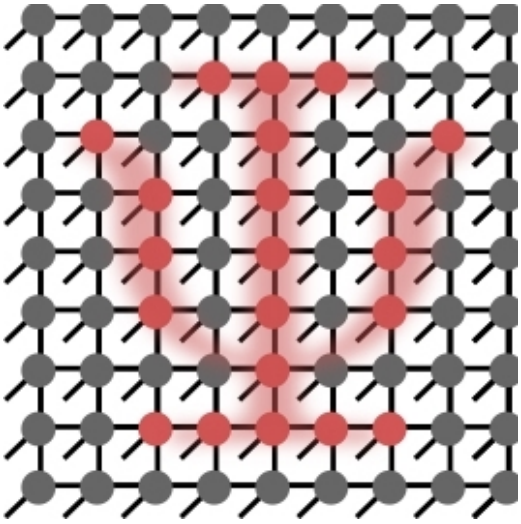
Tensor Network States and Methods for Quantum Many-body Systems (TENSOR19)



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	UNTIL 25-11-2019
Regular Attendant	0 EUR

Place

Materials Physics Center (CSIC-UPV/EHU)

Manuel de Lardizabal, 4. 20018 Donostia / San Sebastián

Gipuzkoa