TENSOR NETWORK BASED APPROACHES TO QUANTUM MANY-BODY SYSTEMS

ICCUB SCHOOL 2021
27 Sept - 1 Oct

PROGRAM OVERVIEW

- Many-body entanglement
- Matrix-product states
- Projected entangled pair states
- Multi-scale entanglement renormalization ansatz
- Time-dependent variational principle
- Tensor network renormalization
- Bulk boundary correspondence
- Tensor networks for finite temperatures and dynamics
- Tensor networks as impurity solvers for dynamical mean field

INVITED SPEAKERS

- Mari Carmen Bañuls (MPQ)
- Philippe Corboz (UVA)
- Antoine Tilloy (MPQ)
- Johannes Hauschild (Berkley)
- Salvatore Manmana (Goettingen)

LOCAL ORGANIZING COMMITTEE

L. Tagliacozzo (ICCUB)
F. Verstraete (U. Ghent)
N. Schuch (U. Vienna)
F. Pollmann (TUM)

CONTACT EMAIL

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WEBSITE

https://indico.icc.ub.edu/event/116/

IMPORTANT DATES

Early registration until July 15
Late registration until September 15

Organized and supported by

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EXCELENCIA MARÍA DE MAEZTU 2020-2023

European Tensor Network

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