

Quantum Many-Body Methods in Condensed Matter Systems

Workshop September 24 -27, 2018
aimed at PhD + advanced Master students
including 90 minute tutorial lectures*

www.rtg1995.rwth-aachen.de

Dynamical Mean-Field Theory and Correlated Materials

Jim Freericks (Georgetown)*
Alessandro Toschi (TU Wien)
Agnese Tagliavini (Tübingen)

Field Theory Methods

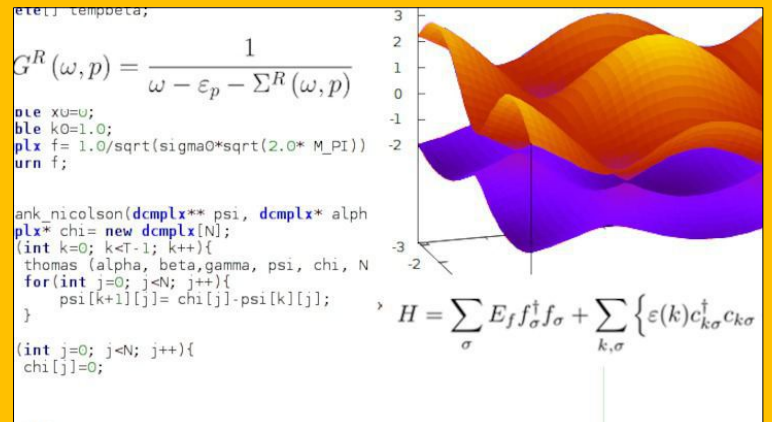
Slava Rychkov (Paris)*
Lukas Janssen (Dresden)
Michael Scherer (Köln)

Renormalization Group Methods

Johannes Reuther (Berlin)*
Hoa Nghiem (Hanoi)

Topology and Interactions

Tobias Meng (Dresden)*
Jelena Klinovaja (Basel)



Quantum Speed Limits and Control

Sabrina Maniscalco (Turku)*
Tommaso Calarco (Ulm)

Tensor Networks

Frank Pollmann (München)*
Matteo Rizzi (Mainz)

Quantum Typicality and Quantum Monte-Carlo

Robin Steinigeweg (Osnabrück)*
Fengpin Jin (FZ-Jülich)
Martin Hohenadler (Würzburg)

Cold Atoms

Henk Stoof (Utrecht)*
Anna Minguzzi (Grenoble)
Tommaso Roscilde (Lyon)

The workshop will take place on the campus of Forschungszentrum Jülich in the Peter Grünberg Centre (with free transport from/to Aachen). Free childcare services during the workshop will be on offer at the Forschungszentrum Jülich. Application deadline: September 1st, 2018 by email to rtg1995@physik.rwth-aachen.de (no registration fee).

