



619. Wilhelm und Else Heraeus-Seminar

June 08 -10, 2016

Physikzentrum, Bad Honnef

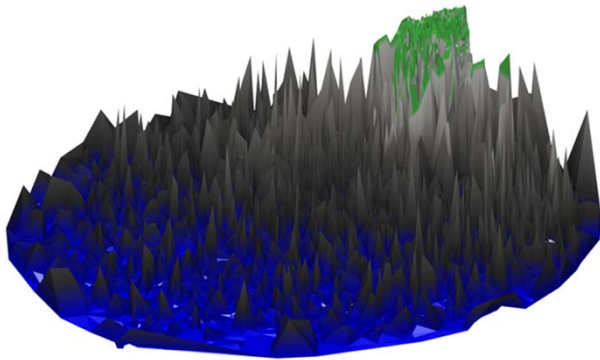
Quantum Speed Limits

Pushing quantum evolution to its limits was originally a question of mainly fundamental interest, but it quickly acquired a relevant applied dimension, as quantum technological applications increasingly seek to achieve high-fidelity operation of qubit processing over the shortest possible time scale.

It is the goal of the international workshop „Quantum Speed Limits (QSL)“ to advance the state-of-art of QSL and to build a community around this topic.

Topics of focus are

- fundamental aspects of QSL
- quantum optimal control
- open quantum systems
- many-body systems
- experiments



Information and application:

www.uni-ulm.de/nawi/nawiheraeus.html

Application deadline
April 1, 2016

Invited speakers:

Immanuel Bloch (MPI Garching)
Adolfo Del Campo (Univ. MA Boston)
Francesco Cataliotti (Univ. Firenze)
Sebastian Deffner (Los Alamos)
Rosario Fazio (Scuola, Pisa)
Gerhard Hegerfeldt (Univ. Göttingen)
Susana Huelga (Univ. Ulm)
Fedor Jelezko (Univ. Ulm)
Christiane Koch (Univ. Kassel)
Ronnie Kosloff (Hebrew Univ.)
Eric Lutz (Univ. Erlangen)
Lorenzo Maccone (Univ. Pavia)
Norman Margolus (MIT)
Simone Montangero (Univ. Ulm)
Oliver Morsch (Univ. Pisa)
Franco Nori (Univ. Michigan)
Ferdinand Schmidt-Kaler (Univ. Mainz)
Sophie Schirmer (Swansea Univ.)
Joerg Schmiedmayer (TU Wien)
Jacob Sherson (Aarhus Univ.)
Herschel Rabitz (Princeton Univ.)
David Tannor (Weizmann Inst., Israel)
Birgitta Whaley (Univ. CA, Berkeley)

Scientific Organizers:

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