Quantum Efficiency Mini-Workshop

Institute of Physics / FRIAS, University of Freiburg
July 25-28, 2011

Quantum transport in complex systems raises challenging questions for experimentalists and theoreticians, from unambiguous identification of coherence-induced phenomena to proper account of the impact of static or dynamical noise. Unexpected quantum transport phenomena that emerge from complex structural properties appear to be hardwired in biological tissue, and open novel perspectives for design and optimization of desired transport properties in light-energy conversion.

The workshop provides a forum for contributions from markedly different perspectives, from biology and biochemistry over quantum simulations with trapped ions to statistical physics, and from Bachelor studies to internationally renowned expert experience. It concludes this term's Seminar and Colloquium of the Freiburg Research Focus on Quantum Efficiency, and invites all students and scientists interested in participating in an exciting scientific debate.

Speakers:

Maximilian Bauer (Freiburg)
Richard Cogdell (Glasgow)
Stephan Hoyer (Berkeley)
Jenny Nelson (London)
Georgios Nikolopoulos (Heraklion)
Leonidas Richter (Freiburg)
Tobias Schätz (Freiburg)
Greg Scholes (Toronto)
Luo Shunlong (Beijing)
Kathrin Siebrecht (Freiburg)
Florian Sittel (Freiburg)
Daniel Wendling (Freiburg)

Mon 17.15: Großer Hörsaal Physik
Tue 14.15 - 18.00: FRIAS Seminar Room
Wed 10.15 - 18.00, Thu: 10.15 - 12.00: FRIAS Lecture Hall

For details see: https://portal.uni-freiburg.de/qe

Scientific Coordinators:
Heinz-Peter Breuer, Andreas Buchleitner, Thomas Wellens, Jochen Zimmermann

Organization:
Gislinde Bühler, Evelyn Rusdea