







## **Socrates Workshop**

Institute of Physics, University of Freiburg February 22-26, 2010

Markus Oberthaler, Heidelberg

"Cold and ultracold gases in spatio-temporal potentials"

Ulf Peschel, Erlangen

"Optics in discrete systems"

## Uzy Smilansky, Rehovot

"Nodal domains: From Chladni to Quantum Chaos"

## Scientific Coordinators:

Moritz Hiller, Thomas Wellens, Celsus Bouri, and Andreas Buchleitner

Scattering theory provides a unified framework for our perception of the world around us, from the smallest to the largest scales. "Scattering Systems with Complex Dynamics" is the theme of the DFG research unit FOR760, which collects key expertise in photonics, (ultra-) cold matter and Rydberg physics, semiclassics, and quantum scattering theory. This workshop, organized by FOR760, offers three intense, one week lecture courses on ultracold atoms in engineered potentials, photonics, and quantum graphs. The lectures, which will follow a steep learning curve, address motivated students of physics or mathematics, approx. between the third year of studies and their PhD. The lecture program will be complemented by contributed talks, a poster session, and ample time for informal discussions.

Organization: Gislinde Buehler and Susanne Bergmann

Applications are welcome and should be sent by email to buchleitner\_office@physik.uni-freiburg.de. The number of participants is limited and the **deadline** for applications is February 14, 2010. The registration fee is 35€.

For details see https://for760.tu-dresden.de/Action/ListConferences