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Nonlinear Spectroscopy meets Quantum Optics

FRIAS Junior Researcher Conference

Website: <http://www.frias.uni-freiburg.de/nsmqo>

Date: October 8 – 10, 2014

Place: Freiburg Institute for Advanced Studies (FRIAS)
University of Freiburg
Albertstraße 19
D-79104 Freiburg im Breisgau
Germany

This workshop aims to stimulate interdisciplinary exchange between experts in quantum optics and in nonlinear spectroscopy of complex systems. The controlled assembly of synthetic quantum systems requires the development of novel tools for the efficient and scalable characterization of nonequilibrium many-body dynamics, where expertise from nonlinear spectroscopy is expected to be helpful. Conversely, the use of quantum properties of light for spectroscopic applications stands to provide new tools for the interrogation of complex quantum systems ranging from solid state devices to molecular aggregates.

List of speakers:

Daniel Barredo, Institut d'Optique, Paris
Tobias Brixner, University of Würzburg
Claude Fabre, Lab. Kastler Brossel, Paris
Theodore Goodson III, University of Michigan
David Gross, University of Freiburg
Mackillo Kira, Philipps-University, Marburg
Stefan Kuhr, University of Strathclyde
Shaul Mukamel, University of California, Irvine
Michael Raymer, Oregon Center for Optics
Marten Richter, Technical University Berlin
Christian Roos, IQOQI, Innsbruck
Vahid Sandoghdar, MPL, Erlangen
Tobias Schätz, University of Freiburg
Ferdinand Schmidt-Kaler, University of Mainz
Spiros Skourtis, FRIAS & University of Cyprus
Shannon Whitlock, University of Heidelberg

Please register via email to
anna.blatter@frias.uni-freiburg.de.
For a poster contribution, please
also provide title and abstract.

The participation fee is 100 EUR.

**Registration Deadline: September
15, 2014.**

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Scientific Coordination

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