



Linnaeus Nanoscience and Quantum Engineering graduate school on

Quantum Thermodynamics

Theory basics

Örenäs Castle, Sweden, September 1-4, 2016

Lecturers and topics

- **A. Wacker**, Lund - *Equilibrium statistical thermodynamics.*
- **G. Schaller**, Berlin – *Noneq. Thermodynamics and fluctuation theorems.*
- **A. Barato**, Dresden - *Stochastic thermodynamics and information.*
- **H. Linke**, Lund - *Statistical thermodynamics, molecular motors.*
- **J. Splettstösser**, Göteborg - *Nanoscale thermoelectrics, quantum dots.*
- **M. Kliesch**, Berlin - *Thermalization of many-body systems.*

Organization

- One half-day is devoted to each topic. Each topical half-day is organized in two one-hour lectures, each lecture followed by a one-hour exercise/discussion session led by the lecturer.
- Participating PhD-students can receive two credit points (2hp) by writing a report, describing/evaluating their pre-knowledge, learning and impressions of the lectures and exercises, approx. one page per topic.
- One evening will be devoted to a poster session. Participants are encouraged (to get credit points, required) to bring a poster.

Registration and practicals

- For registration, send a mail to Katarina Lindqvist, katarina.lindqvist@matfys.lth.se.
- Up to 30 PhD-students and postdocs enrolled in the Linnaeus graduate school will be financed by the graduate school, on a first-come-first-serve basis.
- For other participants, the full cost for the school, accommodation and meals will be around 5000 SEK.

Scientific coordination

Peter Samuelsson, Stephanie Reimann, Andreas Wacker, Sven Åberg, *Mathematical Physics, Lund University*



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