

Summer school

LINEAR RESPONSE: THEORY AND PRACTICE

July 1-8, 2007 – Søminestationen, Holbæk, Denmark



Søminestationen is a former naval facility 5 km from Holbæk (60 km from Copenhagen). The buildings, which are fairly primitive in terms of shared bathrooms, etc, are located in a forest and right at the sea.

Four overall themes:

- I The fluctuation-dissipation (FD) theorem
- II *Fluctuation* part of the FD-theorem (methods applying no external fields)
- III *Dissipation* part of the FD-theorem (methods applying external fields)
- IV Beyond the linear regime.

Planned topics:

Gregor Diezemann (Mainz): *Violations of the fluctuation-dissipation theorem in non-equilibrium systems*

Jeppe Dyre (Roskilde): *The fluctuation-dissipation theorem*

Friedrich Kremer (Leipzig): *Dielectric properties of ion-conducting materials*

Aleksandar Matic (Göteborg) and Giancarlo Ruocco (Rome): *Scattering experiments – monitoring the fluctuation side of the FD-theorem*

Valeria Molinero (Salt Lake City) and Thomas Schröder (Roskilde): *Linear responses evaluated by computer simulations*

Niels Boye Olsen (Roskilde): *Modelling linear systems utilizing the energy bond formalism*

Marian Paluch (Katowice): *Dielectric spectroscopy of glass-forming liquids and viscosity measurements under high pressure*

Ranko Richert (Tempe): *Dielectric relaxation beyond the linear regime: Motivation, models, and experiments*

The summer school, which has limited capacity, emphasizes active participation by student exercises and presentations. The school is mainly directed for the needs of experimental Ph.D.-students, but is also open for younger researchers, as well as for highly motivated master's degree students. Fee: 300 Euro (food and lodging included) that could be waived depending on needs.

To register: Please follow the instructions at <http://glass.ruc.dk>. Deadline: April 30.