

The Condensed Matter & Complex Systems Seminar
Monday 15 June 2009, Radisson SAS Lillehammer Hotel

- 11:30 Lunch
- 12:30 **David Rowe** (Cardiff School of Engineering, UK) (invited): Recent advances in thermoelectric power generation and applications
- 13:05 **Johan Taftø** (UiO): An overview of our basic and applied thermoelectric research activity
- 13:20 **Niina Jalarvo** (UiO): Structure of strontium tantalate, a potential fuel cell electrolyte, from neutron powder diffraction and density functional theory calculations
- 13:35 **Vitaliy Yurchenko** (UiO): Application of superconductors to renewable energy conversion and complex phenomena behind it
- 13:50 **Atle Jorstad Qviller** (UiO): Intermittent flux penetration in superconductors
- 14:05 Coffee break
- 14:25 **Denis Weaire** (Trinity College, Ireland) (invited): Foam as a complex system
- 15:00 **Glenn Tørå** (NTNU): A dynamic two-phase network model with film flow
- 15:15 **Joakim Bergli** (UiO): Slow Relaxation and Equilibrium Dynamics in a 2 D Coulomb Glass: Demonstration of Stretched Exponential Energy Correlations
- 15:30 **Geir Helgesen** (IFE): Structure of carbon cones
- 15:45 Coffee break
- 16:05 **Jozef Cernak** (Safarik Univ., Slovak Republic): A transition from multifractal to finite size scaling in self-organized criticality models
- 16:20 **Matti Knaapila** (IFE): Phase behavior of poly(9,9-dialkylfluorene)s as a function of side chain length
- 16:35 **Henning A. Knudsen** (UiO): Snell's Law for Shear Zone Refraction in Granular Materials
- 16:50 **Grunde Løvoll** (UiO): Steady-State Two-Phase Flow in Porous Media: Statistics and Transport Properties
- 17:05 **Kenneth D. Knudsen** (IFE): Gravitationally induced ordering of hectorite nanoplatelets
- 17:20 Finish