

AMO seminar program fall 2010

- 9/9 **Spin Squeezing: Stopping the shaking in the hands of your clock**
Ian Leroux
Center for Ultra-Cold Atoms, MIT
- 23/9 **How laserlight tickles molecular ions and thereby reveal information on the electronic properties of these**
Maj-Britt Suhr Kirketerp
IFA
- 30/9 **RF spectroscopy, polarons, and dipolar interactions in cold gases**
Georg Bruun
IFA
- 28/10 **Laser cooling of ions trapped in rf traps of different symmetry: from an ion string to an ion ring**
Caroline Champenois
PIIM, Université de Provence
- 4/11 **Photofragmentation experiments on cooled molecular ions at the XUV free electron laser in Hamburg**
Henrik Pedersen
IFA
- 15/11 **Molecule interferometry**
NB Hendrik Ulbricht
Mon *School of Physics and Astronomy, University of Southampton*
- 18/11 **Photonic sculptures in glass: applications of the ultrafast-laser direct-write technique**
Graham Marshall
Department of Physics, Macquarie University, Sydney, Australia
- 25/11 **Molecules in hollow-core photonic bandgap fibres**
Jan Hald
Danish Fundamental Metrology
- 2/12 **Quantum computation of molecular electronic and vibrational transitions**
Ove Christiansen
Department of Chemistry, Aarhus University

Place: Fysisk Auditorium

Time: 15.15

Coffee, tea and cake will be served at 15.05

Contact persons: Jacob Sherson and Aurélien Dantan