

# 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*

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**Place: Fysisk Auditorium**

**Time: 15.15**

**Coffee, tea and cake will be served at 15.05**

**Contact persons: Jacob Sherson and Aurélien Dantan**