

Prospective Applications of Attosecond Science

Workshop at Imperial College, Huxley 311

Friday September 5th 2014

10:00	Prof Sir Peter Knight FRS	Introductory Remarks
10:15	Prof Majed Chergui, EPFL, Switzerland	Ultrafast measurement of chemical dynamics to the few-femtosecond limit
10:45	Prof Mike Robb, Imperial	Coupled electron and nuclear dynamics in molecules
11:15		Coffee Break
11:30	Prof Jon Marangos, Imperial	Tracking ultrafast hole dynamics in molecules
12:00	Prof Andrea Cavalleri, Oxford/MPSD	Extreme timescales in strongly correlated systems
12:30	Prof Ortwin Hess, Imperial	Ultrafast light and electron dynamics in nanostructured materials
13:00		Lunch
14:00	Dr Eleftherios Goulielmakis, MPQ, Garching	Attosecond control of electron dynamics in condensed phase systems
14:30	Prof John Tisch, Imperial	Attosecond streaking of surface electron dynamics in disordered materials
15:00		Tea
15:15	Dr Ian Mercer, UCD, Dublin	Ultrafast measurements of light harvesting – towards the attosecond limit
15:45	Dr Jasper van Thor, Imperial	Ultrafast dynamics in proteins to the few femtosecond limit
16:15		Open Discussion
16:45		Summary and Closing Remarks

Attendance is free.

If you wish to attend the workshop, please register by emailing Judith Baylis at j.baylis@imperial.ac.uk

http://www3.imperial.ac.uk/quantumopticslaserscience/research/laser_consortium