

Friday 31st July

7.30 - 9.00 *Breakfast and check out (for those staying at Keble College)*

9.30 - 10.50 ***Laser spectroscopy: new developments and applications (I)***

chair: Alex Gentleman

9.30 - 9.50 Michele Gianella Oxford
Cavity-enhanced laser spectroscopic measurement of acetonitrile in breath

9.50 - 10.10 Adrian Gardner Nottingham
Autodetachment Spectroscopy of the Aluminum Oxide Anion Dipole Bound State

10.10 - 10.30 Luca Ciaffoni Oxford
Using cavity-enhanced spectroscopy to improve healthcare: in airways O₂ consumption sensing based on OA-CEAS

10.30 - 10.50 William Tuttle Nottingham
Assignment of the electronic spectra of chlorobenzene isotopologues

10.50 - 11.10 *Coffee*

11.10 - 12.30 ***Development of novel experimental methods***

chair: TJ Preston

11.10 - 11.30 Kasra Amini Oxford
Three-dimensional Imaging using the Pixel Imaging Mass Spectrometry (PIImMS) camera

11.30 - 11.50 Dean James Oxford
Open-Access Optical Microcavities for Lab-on-a-Chip Spectroscopy

11.50 - 12.10 Jessica Lam Oxford
Collisional Loss of Cold, Magnetically Trapped Bromine Atoms

12.10 - 12.30 Christopher Hall UEA
The role of exciton spin in coherent exciton coupling in semiconductor quantum wells

12.30 - 13.30 *Lunch*

13.30 - 14.45 ***Laser spectroscopy: new developments and applications (II)***

chair: Michael Grubb

13.30 - 13.50 Katherine Manfred Oxford
Improvements to optical-feedback cavity-enhanced absorption spectroscopy with an interband cascade laser

13.50 - 14.10 Joseph Beames Cardiff
Laser driven chemistry of Criegee intermediates

14.10 - 14.30 Anna Andrejeva Nottingham
Consistent assignment of disubstituted benzene molecules

14.30 - 14.45 *Closing remarks* Brianna Heazlewood

14.45 *Departure*