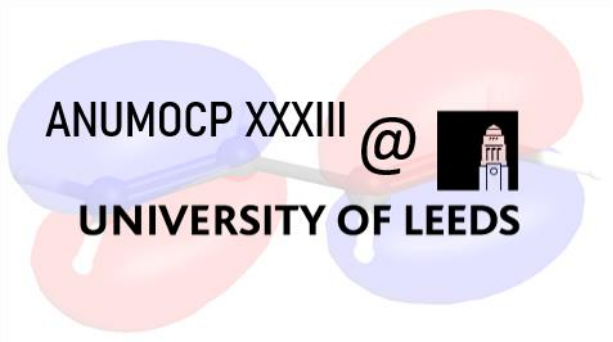

33rd Annual Northern Universities Meeting On Chemical Physics

ANUMOCP XXXIII 24th June 2025

School of Chemistry, University of Leeds

09:30 - 10:00	Arrival Registration and Coffee

Session 1:

10:00 - 10:20	Electron impact neutral dissociation of molecules in plasma: A novel electrophore model. Ryan Brook – University of Leeds
10:20 - 10:40	Atmospheric field measurements of free radicals and formaldehyde using laser-induced fluorescence spectroscopy. Samuel Seldon – University of Leeds
10:40 - 11:00	A new method for determining photolysis quantum yields in the gas-phase, with application to atmospheric carbonyl-containing VOC. Ruth Winkless – University of York
11:00 - 11:30	Coffee Break

Session 2:

11:30 - 11:50	Trace gas detection by photoacoustic spectroscopy using different acoustic resonators. Ali Mutlaq Alharbi – University of Sheffield
11:50 - 12:10	Cooling processes in astro-PAHs. Eleanor Ashworth – University of East Anglia
12:10 -12:30	From time-averaged to time-resolved electron diffraction. Alex Scovell – University of York

12:30 -1:50	Lunch and Posters

Session 3:

1:50 - 2:00	Annual General Meeting
2:00 - 2:20	Photoelectron imaging and action spectroscopy of IO^{2-}: molecular orbitals and excited states. Catherine Kellow – University of Durham
2:20 - 2:40	Probing surface reaction dynamics in-plane and at wide angles using velocity map imaging. Nitish Pal – Heriot-Watt University
2:40 - 3:00	Fate of Ethyl Butyrate Derivatives in the Gas Phase: UV-vis Absorption and Non-Arrhenius Behaviour in the Reactions with Hydroxyl Radicals. Finja Löher – University of York
3:00 - 3:30	Coffee Break

Session 4:

3:30 - 3:50	Time resolved mass spectrometry as a probe for catalysis reactions. Ruby Spratt – University of York
3:50 - 4:10	Determination of structures and binding energies of europium complexes bound to biologically relevant analytes. Umatur Rehman – Loughborough University
4:10 - 4:30	Long-term field measurements of OH reactivity using laser flash photolysis coupled with time-resolved broadband UV absorption spectroscopy. Thomas Luke – University of Leeds
4:30 – 4:40	Closing remarks and departure