

# "Frontiers of Ultrafast Measurement" Network Kick-off meeting

Thursday 16<sup>th</sup> May 2019

City & Guilds Bld. CAGB500 (5<sup>th</sup> Floor)

## Program:

09:30 Tea and Coffee

10:00-10:10 Ian Walmsley (ICL)

Welcome and Introduction

10:10-10:20 Jasper van Thor (ICL)

Kick-off [Ultra] Network

10:20-11:00 R.J. Dwayne Miller (MPI-SDM/Toronto) - Keynote Talk

"Mapping Atomic Motions with Ultrabright Electrons:  
Fundamental Space-Time Limits to Imaging Chemistry and Biology"

11:00-11:30 Mary Matthews (ICL)

"Time resolving localised electron dynamics with X-ray spectroscopy"

11:30-11:50 Tea and Coffee break

11:50-12:20 Marina Kuimova (ICL)

"Designing fluorescence lifetime probes for applications in life sciences"

12:20-12:50 Emma Springate, Artemis (STFC)

"Ultrafast Photoelectron Spectroscopy with High Harmonics"

12:50 - 13:30 Lunch

13:30-14:00 Chris Hutchison (ICL)

"Ultrafast protein X-ray crystallography"

14:00-14:30 Akshay Rao (Cambridge)

"Ultrafast Nanoscopy: Imaging Charge and Exciton Dynamics on 10nm Length-Scales with 10fs Resolution"

14:30-15:00 John Tisch (ICL)

"Attosecond Light Sources and applications"

15:00 - 15:20 Tea and Coffee

15:20-15:50 Amelle Zair (KCL)

"High repetition rate attosecond beamline at ELI-ALPS"

15:50-16:20 Jon Marangos (ICL)

"Attosecond measurements with ultrafast X-ray sources - the present and future prospects"

16:20-16:40 Jasper van Thor, Jon Marangos, John Tisch, David Dye

Discussion and Network round table

16:40 Close meeting