

Event Information:

Infrared Technologies and Applications Workshop

The SUPA Infrared Technologies and Applications Workshop is being held on the 6th of December 2017 at Heriot Watt University. Attendees from across academia, industry and government agencies will be there and the main aim of the day is to provide an update on key work on near to mid-infrared research and applications in the UK and enable attendees to network. Event registration commences at 9am and the talks start at 930 and continue until 345. There will then be a 45 minute session highlighting funding routes of interest and enabling attendees to discuss potential collaborative ideas to pursue.

Directions:

The event is to be held at the Cedar Suite at Heriot Watt University. Heriot Watt University is located on the edge of Edinburgh and is near Edinburgh Airport. For those staying in Edinburgh the night before several buses run from the town to the University. Lothian Bus Number 25 goes from the city centre to the front door of the University.

At the main Heriot Watt entrance enter the building and bear right down a long corridor. Once you have crossed over the covered bridge connecting to the main complex you will come to a central pillar (with the main canteen on your left). There is a set of stairs leading upwards and the venue is directly on your right at the top of these stairs. Signs will be posted and during registration someone will be available to direct attendees.

A few attendees are arriving after the start due to a late arriving plane and so if anyone is running late or is having trouble locating the venue please contact Mark Goossens on 07507625876 on the day.

A campus map of the University is attached separately, and the venue is located at the symbol 10 on the map at the entrance to the Hugh Nisbeth Building.

Dietary Requirements:

Lunch and refreshments are provided during the day and if you have any dietary requirements or allergies please let us know prior to the start of the event. Please email your requirements to m.goossens@chromacitylasers.com.

We look forward to seeing you at the workshop!

Agenda:

Time	Speaker	Title
9-930	Registration	
930	Introduction	
930-10	Prof Derryck Reid	Chemical Sensing From 3–13 μm Using Femtosecond Optical Parametric Oscillators
10-1040	Dr Peter G Schunemann	Advances in nonlinear optical crystals for the mid-infrared
1040-11	Coffee break	
11-1120	Dr Christopher Leburn	High repetition rate near and mid-infrared OPOs
1120-1140	Robby Fritzsich	Rapid screening of DNA-ligand complexes via 2D-IR spectroscopy and ANOVA-PCA
1140-12	Dr Senthil Ganapathy/Prof James Wilkinson	Mid-IR Waveguides and Spectroscopy Capability at the University of Southampton
12-1	Lunch and Networking	
1-120	Dr Christopher Howle	Infrared Sensing of Hazardous Chemicals
1320-1335	Dr Marie Hutin	Laser absorption spectroscopy for gas sensing applications
1335-1355	Dr David Stothard	Sources and detection techniques across the infrared: an overview of activities at Fraunhofer Centre for Applied Photonics
1355-1420	Tom Gardiner	Infrared remote sensing of gas emissions
1420-1440	Dr David Lee	Ultrafast Laser Inscription of mid-infrared photonics
1440-1500	Coffee break	
1500-1515	Prof Daniel Esser	High power solid-state laser development at 1 μm and 2 μm wavelength
1515-1530	Prof Des Gibson	Update on development of near to mid infrared optical coating technologies and applications
1530-1545	Dr Robert Murray	Fibre laser pumped optical parametric amplifiers in the mid-infrared
1545-1630	Discussion on Funding	Update on available funding routes and discussion on ideas going forward
1630	Final remarks and Close	