IOP | Institute of Physics
Molecular Physics Group

RSC | Advancing the Chemical Sciences *RSC Environmental Chemistry Group*

Soft Ionisation Mass Spectrometric Techniques and the Environmental Sciences

Physics Poynting Building (building R13) - Large Lecture Theatre
School of Physics and Astronomy, University of Birmingham
Wednesday 10th December 2014
Starting at 1:20 PM

The need for quantitative and rapid detection of chemical compounds in complex media and at ultra low concentrations provides significant challenges to modern analytical chemistry for applications in the environmental science area. New mass spectrometric techniques can be used to address some of these challenges. The aim of this informal half-day meeting series is to provide a forum for the discussion of recent applications and developments of soft chemical ionisation techniques for use in environmental science. The meetings, which run annually, are organised by the Molecular Physics Group of the Institute of Physics and the Environmental Chemistry Group of the Royal Society of Chemistry.

Confirmed Speakers:

Prof. Thomas Karl, University of Innsbruck, Austria
Eddy Covariance Measurements of NMVOC using PTR-(Q)MS, PTR-TOF-MS and PTR-QI-TOF-MS - Recent insights using NO^+ ionization

Dr. Rachael Beale, Plymouth Marine Laboratory
In-situ concentrations & air-sea exchange of acetone using Proton Transfer Reaction Mass Spectrometry

Dr. Gavin Phillips, University of Chester
Estimating N_2O_5 uptake using ICIMs measurements of $ClNO_2$

Dr. Markus Kalberer, University of Cambridge
New Soft Ionisation Ultra-High Resolution Mass Spectrometry Methods for Characterizing the Organic Fraction of Atmospheric Particles

The **meeting is free of charge**, but attendees are required to **register in advance** - for further details, or to register, please contact Dr. Emily House (ecrhouse@hotmail.com).