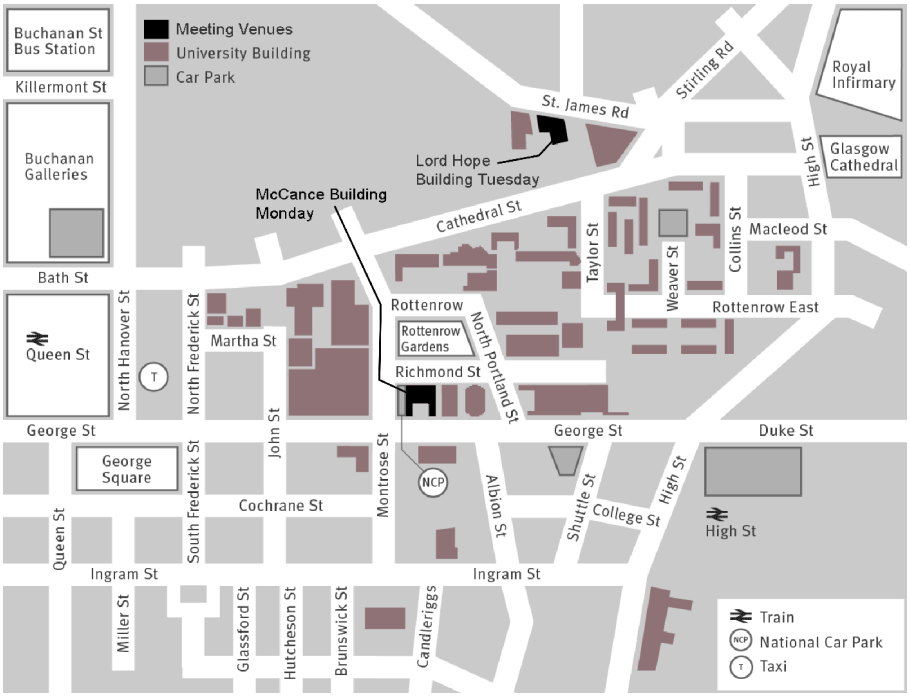
Application and Control of Light on the Nanoscale

2nd and 3rd September 2013

John Anderson Campus
University of Strathclyde

THE UNIVERSITY OF STRATHCLYDE IN GLASGOW



This meeting is partly supported by the

IOP Institute of Physics

Meeting Programme

Monday McCance building, room 303		Tuesday Lord Hope building, room 229	
10:30	Registration	09:00	Near-Field Optical Visualization of Subwavelength Optical Fields and Chiralities in Metal Nanostructures – H. Okamoto
11.00	Seeing and using surface plasmon at the nanoscale – Jean-François Masson		
11:55	Ultra low Cu^{2+} ion detection by 4-mercaptobenzoic acid functionalised silver nanoparticles with SERS – Narayana M.S.Sirimuthu	09:55	Slightly fishy? Combining NSOM with SEA TADPOLE for local characterization of photonic structures. – J. Trägårdh
12:15	Using Optical Spectroscopy for the Detection and Analysis of Biological Materials – K. Gracie	10:15	Theory of SNOM images – D. McArthur
12:35	SERS enabled Point of Care devices – N. Elejalde	10:35	Flexible Guided Mode Resonance Filter for Lab-on-Fiber applications – P. Reader-Harris
13:00	Lunch	10:55	Coffee
14:00	Plasmonic manipulation of molecular fluorescence in optical imaging – David Richards	11:25	Second Harmonic Generation from Metallic Nanoparticles : Playing with Shapes to Unravel the Origin of the Response – Pierre-François Brevet
14:55	Biosensing with a Twist: Detection and Characterization of Biomaterials with Sculpted EM Fields – Malcolm Kadodwala	12:20	Nonlinear self-structuring of light and dielectric particles – T. Ackemann
15:15	Mode Control Of Light Scattering By Nanoparticles – B. Hourahine	12:40	Au Nanorods as Biological Imaging Probes and Sensors – Y. Chen
15:35	Probing light emission from a single GaN nanorod – J. Bruckbauer	13:00	Final discussion and meeting close
16:00	Tea		
16:15	Poster session		

Invited talks 45 minutes plus discussion, contributed talks 15 minutes plus discussion.