

London Plasmonics Forum 2023



7 June 2023 - Great Hall, King's College London, Strand, London, WC2R 2LS

09:45-10:00 Arrivals and Coffee

10:00-10:15 Welcome

10:15-11:00 Keynote talk, Andy Wain (National Physical Laboratory)
Probing electrochemical interfaces using in situ vibrational spectroscopy

11:00-11:20 Cindy Tseng, Imperial College London
Direct determination of plasmon enhancement factor and penetration depths in surface enhanced IR absorption spectroscopy

11:20-11:40 Sebastiano Gadolini, Johnson Matthey
Post-synthetic modifications of graphitic carbon nitride for selective organic transformations

11:40-12:00 Simone Ezendam, LMU Munich
Single-particle investigations of plasmonic nanoantennas for energy conversion

14:00-14:20 Atif Jan, University of Cambridge
Plasmon enhanced in-operando optical tracking of oxygen vacancy migration and phase change in few-nm ferroelectric HZO memories

14:20-14:40 Cuifeng Ying, Nottingham Trent University
Plasmonic nanotweezers for monitoring conformational dynamics of single proteins

14:40 -15:00 Marciano Palma Do Carmo, King's College London
Multi-scale control of analyte motion for sensing applications

15:00-15:20 Rakesh Arul, University of Cambridge
Bridging the visible and mid-infrared with plasmonic nanocavities to achieve single molecule infrared upconversion

15:20-16:00 General discussion and poster award presentation

16:00 Close

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