

Programme

Friday 21 June 2024

Time	Room	Programme
9:00 am to 10:00 am	Auditorium	Plenary Talk: Prof. Bjork Hammer Surface structure from machine learning
10.00 am to 10:30 am	Hall Q	Morning Break
10:30 am to 12:00 pm	Auditorium	<p>Self-Assembly, Characterisation and Reactivity of 2D Structures of Molecules at Surfaces - FrPSA: ASS+SS+SE Session Chair: Philipp Seiler Invited Talk: Letizia Savio 10:30 am – 11:00 am Dr Letizia Savio: Pd-cyclometallated complexes at Ag: from self-assembly to the synthesis of new compounds 11:15 am – 11:30 am Dr Aisha Ahsan: On-surface induced fitting and mobility of conformationally flexible molecules inside nano confinements 11:30 am – 11:45 am Mattia Bassotti: Phosphorus buffer layer for electronic decoupling of Zinc-Tetraphenylporphyrin from a metal substrate: a combined spectroscopy and microscopy study 11:45 am – 12:00 pm Miki Fukushima: Molecular Ordering on Surfaces at the Limit of Vanishing Coupling Strengths: TMPH/Cu</p>
	King's Suite	<p>Catalysis and Electrocatalysis Including Single Atom and In Operando Studies 4 - FrPSK: ASS+SS+SE Session Chair: Carles Sykes 10:30 am – 10:45 am Mr. Francisco Javier Fernández Alonso: Exploring the Interplay of Ti-Sn Co-Doping in Photoelectrochemical Water Splitting of Hematite Nanowires 10:45 am – 11:00 am Zhongqiu Lin: Positive and Negative Impacts of Hydrogen Bonds on Photocatalytic Hydrogen Evolution 11:00 am – 11:15 am Jesús Redondo: Investigating the electrooxidation of Au in basic and acidic media</p>
	Queen's Suite - Thomson Room	<p>Electronic Materials, Energy Reduction and Carbon Reduction 2 - FrPST: EM Feature Talk: Hirofumi Yanagisawa 10:30 am – 10:45 am Adrianna Rejmer: Insight into the diffusion of electrically active and inactive impurities using Secondary Ion Mass Spectrometry 10:45 am – 11:00 am Takuya Matsumoto: Time-Resolved Charge Observation of Photovoltaic Organic Thin Films by Tip-Synchronized Electrostatic Force Microscopy 11:00 am – 11:20 am Hirofumi Yanagisawa: Integration of ultrafast switches into a single-molecule vacuum electronics</p>
	Queen's Suite - Cockcroft Room	<p>Vacuum pumps - FrPSC: VST Session Chair: Matthew Cox Feature Talk: Junichiro Kamiya 10:30 am – 10:45 am Laurent Ducimetiere: Energy-efficient vacuum applications</p>

		<p>10:45 am - 11:00 am Qingzhou Yu: Research and development of high-performance screw vacuum pump rotor</p> <p>11:00 am - 11:15 am Dr. Zhaoxi Chen: R&D of the EAST plug-in cryopump for long-pulse and high-performance plasma operation</p> <p>11:15 am - 11:30 am Mr Michael Galtry: Performance modelling of a multistage roots vacuum pump</p> <p>11:30 am - 11:50 am Junichiro Kamiya: High performance turbomolecular pump with titanium alloy rotor blades</p>
12:00 pm to 1:00 pm	Auditorium	<p>Plenary Talk: Prof. Jascha Repp</p> <p>Accessing non-equilibrium at the intrinsic scales of molecules</p>
1:00 pm to 1:30 pm	Auditorium	Awards and Close