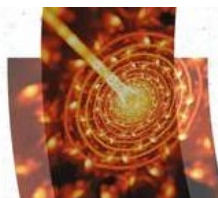


Surface-Enhanced Raman Scattering

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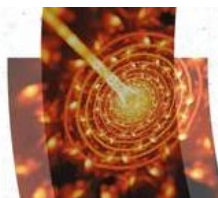
Faraday
Discussions

Wednesday 14 April

11:00	Registration and refreshments
12:00	Lunch
12:45	Welcome and introductions Karen Faulds & Duncan Graham, <i>Co-chairs of Scientific Committee</i>
12:55	Outline of Discussion format Robin Brabham & Thomas Hitchings, <i>Royal Society of Chemistry Publishing Editors</i>
13:00	Introductory Lecture – Spiers Memorial Lecture (Session chair: Karen Faulds) Xing Yi Ling <i>Nanyang Technological University, Singapore</i>
	Session 1 Nanoplasmonics in SERS (Session chair: Zac Schultz)
14:00	Nanoplasmonics in SERS Jeremy Baumberg <i>University of Cambridge, UK</i>
14:05	Plasmon-driven chemistry in hybrid metal-inorganic oligomers Emily Sprague-Klein <i>Brown University, USA</i>
14:10	AI-guided flow chemistry synthesis of SERS nanomaterials and in-line SERS measurements Jean Francois Masson <i>University of Montreal, Canada</i>
14:15	Discussion
15:30	Refreshments
	Session 2 Theory and SERS (Session chair: Sebastian Schlucker)
16:00	Atomistic modeling of surface-enhanced spectroscopies: From SERS to chiral signals Chiara Cappelli <i>Scuola Normale Superiore, Italy</i>
16:05	A simplified discrete interaction model/quantum mechanics approach to surface-enhanced Raman spectroscopy (SERS) Lasse Jensen <i>Penn State, USA</i>
16:10	Highly multiplexed molecular profiling using a DFT-guided SERS nanoparticle library Olga Eremina <i>University of Southern California, USA</i>
16:15	Discussion
17:30	Lightning presentations (by invitation of the Scientific Committee)
18:00	Poster session and wine reception
19:30	Close of sessions

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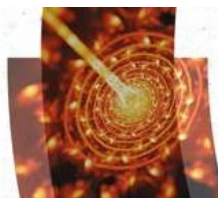
**Faraday
Discussions**

Thursday 15 April

	Session 3 Surface reactions and catalysis (Session chair: Duncan Graham)
09:00	Surface-enhanced femtosecond stimulated Raman spectroscopy Renee Frontiera <i>University of Minnesota, USA</i>
09:05	In situ Raman studies of the oxygen reduction reaction on Pt-based catalysts Jian-Feng Li <i>Xiamen University, China</i>
09:10	Core-satellites SERS in nanoparticle catalysis Wei Xie <i>Nankai University, China</i>
09:15	Modification of plasmon-driven reactions by supporting substrate materials monitored by SERS Ilko Bald <i>University of Potsdam, Germany</i>
09:20	Discussion
11:00	Refreshments
	Session 4 SERS metabolomics (Session chair: TBC)
11:30	The analytical platform based on the SERS technique for the determination of metabolomic spectro-markers of salivary gland tumors Agnieszka Kamińska <i>Polish Academy of Sciences, Poland</i>
11:35	Deciphering the metabolic SERSomes of biofluids Jian Ye <i>Shanghai Jiao Tong University, China</i>
11:40	SERS-enabled structural identification of an uncharacterised metabolite directly in E. coli cultures Moe Vali <i>University of Cambridge, UK</i>
11:45	Discussion
13:00	Lunch
	Session 5 Sensors for Bioanalysis (Session chair: Karen Faulds)
14:00	TBC Isabel Pastoriza-Santos <i>Universidad de Vigo, Spain</i>
14:05	Bridging static and active SERS substrates: From integrated nanopillar platforms to bioinspired mobile sensors Anja Boisen <i>Technical University of Denmark, Denmark</i>
14:10	Raman nanotheranostics - combining SERS nanoparticle localisation, microenvironment sensing and real-time temperature monitoring for photothermal therapies. Nick Stone <i>University of Exeter, UK</i>
14:15	Sulfate-terminated plasmonic interfaces for stable and accessible bio-SERS Dana Cialla-May <i>Leibniz Institute of Photonic Technology Jena, Germany</i>
14:20	Discussion
16:00	Refreshments

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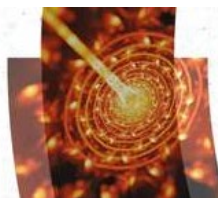


**Faraday
Discussions**

	Session 6 SERS sensing (Session chair: Laura Fabris)
16:30	Bubbling-assisted SERS detection of the bacterial biomarker indole Roy Goodacre <i>University of Liverpool, UK</i>
16:35	Detecting micro- and nanoplastics in freshwater via surface-enhanced Raman spectroscopy and centrifugal filtration Christy Haynes <i>University of Minnesota, USA</i>
16:40	Connecting local vibrational probing to local protein structure Janina Kniepp <i>Humboldt-Universität zu Berlin, Germany</i>
16:45	Chiral sensing of monosaccharides by SERS of aromatic amino acids Yoonsoo Pang <i>Gwangju Institute of Science and Technology, South Korea</i>
16:50	Discussion
18:30	Close of sessions
18:30	Pre-dinner drinks
19:00	Conference dinner

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Discussions

Friday 16 April

	Session 7 Quantitative and single molecule (Session chair: TBC)
09:00	TBC Steven Bell <i>Queens University Belfast, UK</i>
09:05	Quantification at low concentrations through SERS intensity fluctuations Alexandre Brolo <i>University of Victoria, Canada</i>
09:10	Discussion
10:00	Refreshments
10:30	Metal-single-molecule interaction on demand Bert de Nijs <i>University of Cambridge, UK</i>
10:35	Label-free Raman analysis of unmodified single proteins using nanostructured metal tweezers Reuven Gordon <i>University of Victoria, Canada</i>
10:40	Discussion
11:10	Concluding Remarks Lecture (Session chair: Duncan Graham) Luis Liz-Marzán <i>CIC biomaGUNE, Spain</i>
11:50	Acknowledgements
12:00	Close of meeting and lunch

Presenting authors are indicated in the programme by an underline. The affiliation is for the presenting author. Please note that this is a draft programme and timings may change.