

Forum Program

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IChemE

RSC INTEREST GROUP
PARTICLE
CHARACTERISATION



ISO Plenary

International Particle Technology Forum

Posters and Awards

8:00	●	Arrival, Registration and Coffee
9:00	●	Welcome & House Keeping Mr. Jordan Tompkins (Senior Scientist NPL)
9:10	●	Opening Plenary Talk Dr. Bajram Zeqiri (NPL Head of Science)
10:15	●	Break - Tea & Coffee
10:45	●	ISO TC24/SC4 Part II
12:00		Group Photo
12:10		Buffet Lunch & Sponsor Exhibition
13:00	●	Welcome Mr. Chris Williamson (Chair/ RSC-PCIG) Dr. Steve Ward- Smith (Co-Chair of Event Team/ RSC-PCIG)
13:15	●	Commercialising Particle Metrology - What Impact Metrology Has on the Market? Dr. Denis Koltsov Consultant/ Director, BREC Solutions
13:30	●	Shifting Particle Landscapes: Moving beyond D 50 Dr. John Gamble (Associate Scientific Director - Bristol Myers Squibb)
13:50	●	Illuminating the Invisible: Microparticle Insights with FTIR Microscopy Dr. Rhys Kelham (FTIR Field Application Specialist - Perkin Elmer)
14:10	●	Air Quality & Aerosol Metrology at NPL Mr. Jordan Tompkins (Senior Scientist NPL)
14:30	●	Flash Presentations (3 min/talk)
15:00	●	Break - Tea & Coffee
15:30	●	Early Career Researcher Talks (10 min/talk + 5min/Q&A)
16:30	●	Industry Talks (10 min/talk + 5min/Q&A)
17:45-19:30	●	Poster Exhibition, BBQ Dinner & Drink Session
18:30- 19:00	●	Awards Announcement Mr. Chris Williamson (Chair/ RSC-PCIG) Dr. Conrad Davies (Representative of IChemE)

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Flash Presentations

Session Chair

Dr Stefanos Mourdikoudis (University of Vigo)

14:30



Evaluation of Particle Interactions in Dry Powder Inhaled Formulations by Raman Spectroscopy and Micro-Computed Tomography

Dr Mridul Majumder (M2M Pharmaceuticals Ltd)

14:33



How Particle Shape Affects Battery Performance

Chao Zhang (Newcastle University)

14:36



Studies of Cerium Oxide Nanoparticles Aggregation and Dissolution Mechanisms from Nuclear Fuel Debris

Cong Chao (University College London)

14:39



CFD-DEM Modelling of Static Mixers in Circulating Fluidised Bed (CFB) Risers for Enhanced Heat Transfer Performance

Farid Jalili Jamshidian (University of Surrey)

14:42



Deciphering Structural Evolution of Metal Phthalocyanines during Sonocatalytic CO₂ Reduction Reaction

Yi Qin (University of Oxford)

14:45



Evaluation of Powder Triboelectric Properties: a Must Have for Material Optimization

Aurelien Neveu (Granutools Ltd.)

14:48



Drug Modelling for regular and irregular particles

Sadaf Maramizonouz (Newcastle University)

14:51



Powder Caking - Understanding Different Caking Behaviours and the Influence of Humidity Cycling

Hannah Maeve Buckland (Malvern Panalytical Ltd)

14:54



Most Reporting of Particle Sizing Methodologies Using Laser Diffraction is Useless:

Here's What you Should Report and Why.

Ben Lynch (Malvern Panalytical Ltd)

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Early Career Researcher Talks

Session Chair

Ms Karen Pardoe (RSC-PCIG Secretary)

15:30



In-Silico Analysis of API Particle Size and Drug Loading on Direct Compression Tablet Properties

Mohammad Salehian (CMAC, Uni. of Strathclyde)

15:45



Is There a "Right" Particle Size and Shape Measurement Tool?: A Comparative Study of Seven Online and Offline Devices on Nine Different Particle Populations

Oleksandr Prykhodko (Uni. of Manchester)

16:00



Particle Processing: Mixing, Milling, Agglomeration and other Processing Steps/Challenges

Mr Jack Grogan (University of Birmingham)

16:15



A Mechanistic Approach to Understanding Punch Sticking in Direct Compression

Ishwari Wale (Uni. of Strathclyde)

16:30



Formulation and Characterisation of Hydrocortisone Mini-Tablets for Chronic Inflammatory Diseases

Iswar Raja Vasugi (Aston University)

Session Chair

Dr Tien Thuy Quach (Aston University)

16:45



Automated Dynamic Image Analysis for Particle Size and Shape Classification in Three Dimensions

Sadegh Nadimi (Ocular Systems)

17:00



Characterising Nasal Sprays – Droplets and Particles vs. Allergies

John Ddungu (Malvern Panalytical Ltd)

17:15



Submicron O-PTIR with Raman & Fluorescence: a Multimodal Platform for Particle Characterization in Environmental, Pharma & Aerosol Science.

Mustafa Kansiz (Photothermal Spectroscopy Corp.)

17:30



The Good, the Bad and the Potato-Shaped – Morphological Characterisation of Polymer Particles

Jenny Burt (Malvern Panalytical Ltd.)

Industry Talks

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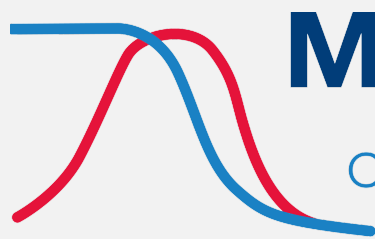
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