

Nanoparticle concentration – critical needs and state-of-the-art measurement

24th April 2018, Burlington House, London

8:30 - 9:30	REGISTRATION
9:30 - 9:35	Caterina Minelli (NPL, UK), Roger Wood (RSC, UK): Welcome
9:35 - 10:10	Richard Brown (NPL, UK): <i>The L S Theobald Lecture: Measuring airborne nanoparticles, and related topics</i>
10:10 - 10:45	Andrea Haase (Bundesinstitut für Risikobewertung , Germany): <i>Quantification of nanoparticle cellular uptake for toxicity studies</i>
10:45 - 11:20	Fredrik Höök, Chalmers University (Sweden): <i>Single nanoparticle analytics: from viruses via exosomes to drug delivery carrier</i>
11:20 - 11:55	Vince Hackley (NIST, USA): <i>Nanoparticle reference materials: Lessons Learned and the Case for Concentration Measurements</i>
11:55 - 13:00	LUNCH AND POSTER SESSION
13:00 - 13:35	Michael Krumrey (PTB, Germany): <i>Nanoparticle concentration determination with Small Angle X-ray Scattering</i>
13:35 - 14:10	Heidi Goenaga-Infante (LGC, UK): <i>Determination of number concentration of inorganic nanoparticles using spICPMS: Recent developments and remaining challenges</i>
14:10 - 14:45	Nikolai Khlebtsov (Russian Academy of Science, Saratov State University, Russia): <i>Determination of size and concentration of gold and silica nanoparticles from absorption and turbidity spectra</i>
14:45 - 15:20	Victoria Coleman (National Measurement Institute, Australia): <i>Relative nanoparticle concentration with benchtop methods</i>
15:20 - 16:00	COFFEE BREAK
16:00 - 16:20	Kuba Tatarkiewicz (MANTA Instruments, USA): <i>What does it take to accurately measure the concentration of particles in colloids?</i>
16:20 - 16:40	Hans van der Voorn (Izon Science, New Zealand): <i>tbc</i>
16:40 - 17:00	<i>tbc</i> (Malvern Panalytical): <i>tbc</i>
17:00 - 17:20	<i>tbc</i>
17:20 - 17:40	Denis Koltsov (BREC Solutions, UK): <i>Particle Tracking Analysis for particle counting</i>
17:40 - 18:00	POSTER PRIZE AND CONCLUSIONS