

European Metrology Programme for Innovation and Research

Innanopart open day

25th April 2018, Burlington House, London

8:30 - 9:30	REGISTRATION
9:30 - 9:45	Alex Shard (NPL, UK): <i>The Innanopart project</i>
9:45 - 10:10	Dorota Bartczak (LGC, UK): <i>Number-based concentration measurements of polydispersed samples with PTA</i>
10:10 - 10:35	Konstantina Vasilatou (METAS, Switzerland): <i>Metrological characterisation of the Electrospray-Differential Mobility method for the determination of nanoparticle number concentration in colloids</i>
11:35 - 11:00	Caterina Minelli (NPL, UK): <i>Concentration of nanoparticles by UV-Vis spectroscopy and Differential Centrifugal Sedimentation</i>
11:00 - 11:30	COFFEE BREAK
11:30 - 11:55	Tbc (DFM, Denmark): <i>Applying hollow core photonic crystal fibre for optical characterisation of nanoparticles</i>
11:55 - 12:20	Karen Murphy (NIST, USA): <i>Measuring Nanoparticle Concentration Using Single Particle ICP-MS</i>
12:20 - 12:45	Vasile-Dan Hodoroaba (BAM, Germany): <i>Lessons on measurement of nanoparticle size and shape learnt from NanoDefine</i>
12:45 - 14:00	LUNCH AND POSTER SESSION
14:00 - 14:25	Uwe Schedler (PolyAn, Germany): <i>Surface characterisation of particles for Life Science applications – an industry perspective</i>
14:25 - 14:50	David Cant (NPL, UK): <i>Measuring core-shell particles: ideality compared to reality</i>
14:50 - 15:15	Anja Hermanns (BAM, Germany): <i>Determining the shell thickness of core-shell nanoparticles using scanning transmission X-ray microscopy (STXM)</i>
15:15 - 15:45	COFFEE BREAK
15:45 - 16:10	Wolfgang Werner (Technical University Vienna, Austria): <i>Use of the inelastic background in XPS: fundamentals and practical applications</i>
16:10 - 16:35	Ute Resch-Genger (BAM, Germany): <i>Simple and Versatile Methods for Quantifying Functional Groups, Ligands, and Biomolecules on Nanomaterials</i>
16.35 - 17.30	DISCUSSION AND CONCLUDING REMARKS