

Royal Society of Chemistry's Particle Characterisation Interest Group

Meeting – 23rd November 2016

To be held at the SCI 14-15 Belgrave Square, London SW1X 8PS

Ultrafine Bubbles – Characterisation, Properties and Uses

10:30 Registration – Coffee

11:30 – Welcome and Introduction – M W Wedd

11:35 - Recent movement of ultrafine bubble measurement - Dr. Mitsuru Tanaka Japan

12:00 - The Effects of Incorporating Bubbles in the Water Used for Cleaning in the Food Industry -
Dean Burfoot - Campden BRI

12:25 - Using Nanoparticle tracking analysis and Resonance Mass Measurement to characterise ultra
fine bubbles - Steven Ward-Smith - Malvern Instruments

12:50 – Using ultrafine bubbles to tailor the porosity of particles - Marijana Dragosavac –
Loughborough Uni

13:15 Lunch

14:15 - Expressway management using ultrafine bubble water - Cleaning bridges and toilets in rest
areas - Mr. Tadashi Nagai

14:40 - Microfluidic production of micro- and nano- bubbles for medical applications - Sally Peyman
– Leeds Uni

15:05 - Using a low-pressure carbon dioxide enriched microbubbles as an Inactivation tool to the
microbial cells - Ali Mulakhudair – Sheffield Uni -

15:30 - The effects of surfactants and salts on bulk nanobubbles - Neel Nirmalkar – Birmingham Uni

15:55 - Growth enhancement of tomatoes/lettuce in plant factory using fine bubble technology - Dr.
Akira Yabe and Mr. Shigeo Maeda

16:20 Discussion

16:30 meeting ends

The cost of attendance for the meeting is £25 (students £15)

To register for the meeting, please contact Brian Miller – pcig@outlook.com