

IOP Physical Acoustics Group Tutorial Day: Acoustics in Action – Sonochemistry

Programme

9:30am - 9:50am	Registration and Refreshments
9:50am - 10:00am	Welcome
10:00am - 11:45am	<p>Invited Speaker Presentations</p> <p>10:00am - 10:35am Paul Prentice Shocking bubbles – on the importance of periodic bubble collapse shock waves in measuring and monitoring acoustic cavitation</p> <p>10:35am - 11:10am Madeleine Bussemaker Bubble bubble toil and trouble...</p> <p>11:10am - 11:45am Iakovos Tzanakis Ultrasonic Processing of Materials: Fundamentals and Application</p>
11:45am - 12:45pm	Lunch and Posters
12:45pm - 1:20pm	<p>Invited Speaker Presentation</p> <p>12:45pm - 1:20pm James Kwan Emerging sonochemical reactor designs and chemistries</p>
1:20pm - 2:00pm	<p>Flash Presentations</p> <p>1:20pm - 1:30pm Irem Soyler Optimising ultrasonic parameters for bacterial inactivation</p> <p>1:30pm - 1:40pm Lillian Usadi Inertial and Stable Cavitation Noise Characterization of Tetracycline Degradation in a Sonochemical Reactor Utilizing Machine-Learning Techniques</p> <p>1:40pm - 1:50pm Dong Xia SonoElectrochemical CO₂ Reduction over Cu Catalysts</p> <p>1:50pm - 2:00pm Cherie CY Wong Sonocatalytic Conversion of Furfural into High-value Chemicals with Heterogeneous Nanostructured TiO₂ Nanocups</p>
2:00pm - 3:30pm	Posters and Networking
3:30pm - 3:35pm	Close of Meeting