

Wednesday 26 June 2019

Time	Activity
9.15 – 9.30	Welcome and Reception Presidents of <i>European Society of Sonochemistry</i> and <i>Association for Microwave Power in Europe for Research and Education</i>
9.30 – 11:00	Introduction to Ultrasound (US) <ul style="list-style-type: none">• Background and theory• Mechanochemical effects of acoustic cavitation
11.00 – 11.15	Break
11.15 – 12.30	Introduction to Microwave (MW) <ul style="list-style-type: none">• MW Interactions with matter• Multimode and Single mode cavities Nanoparticles preparation
12.30 – 13.30	Synthetic chemistry through the combined use of ultrasound and microwaves
13.30 – 14.45	Lunch
15.00 – 17.30	Microwaves, ultrasound and hydrodynamic cavitation in process intensification Ultrasound: a tool for advanced features in heterogeneous catalysts

Thursday 27 June 2019

Time	Activity
9.15 – 11.00	Application of ultrasound and microwaves in green extraction, new tools and equipment
11.00 – 11.15	Break
11.15 – 13.30	Microwave enhanced inorganic chemistry <ul style="list-style-type: none">• Solid state reactivity• Combustion synthesis• Applications of Microwaves in ceramic processing• Applications of Microwaves in polymer synthesis and processing
13.30 – 14.45	Lunch
15.00 – 17:30	Practical laboratories – Microwaves MW (Milestone) Ultrasound applications (REUS)

Friday 28 June 2019

Time	Activity
9.15 – 11:00	Microwave enhanced organic chemistry <ul style="list-style-type: none">• Homogeneous reactions• Solvent free reactions
11.00 – 11.15	Break
11.15 – 12.30	Design and selection of microwave applicators Industrial Applications (MW in pollution abatement)
12.30 – 13.30	Preparation of inorganic materials using ultrasound
13.30 – 14.45	Lunch
15.00 – 17:30	Practical laboratories – Microwaves MW – (Milestone) Ultrasound applications (REUS)
17:30	Final remarks <i>Association for Microwave Power in Europe for Research and Education (AMPERE)</i>