

Aleksandra Marsh: Conference Report September 2017

European Aerosol Conference (EAC) 2017, Campus Irchel, Zurich

The EAC was held at ETH in Zurich with ~ 900 attendees from the 28th August to 2nd September 2017. The EAC 2017 hosted ~ 300 talks and ~ 600 posters. The EAC committee divides all the talks into 5 different session topics each with their own subtopics (a total of 77 subtopics for all main topics). The five plenary lectures were all interesting and relevant to my work, with one given on each day of the conference. The talks focused on different aspects of aerosol science encompassing the five main EAC topics; including Nucleation Theory by Ian Ford, Health Effects of Atmospheric Particulate Matter by Bert Brunekreef, Submicron Molecular Aggregates by Ruth Signorell, Global Atmospheric Modelling by Annica Ekman and Functional Nanomaterial Synthesis by Christof Schulz.

During the conference, in each session there were 4 - 6 different topics of talks to attend in parallel. I attended sessions on atmospheric aerosols, aerosol cloud effects, bioaerosols, drug delivery to the lungs and aerosol exposure and toxicity. The broad subject range of talks allowed me to extend my knowledge within the field of aerosol science. I particularly enjoyed learning more about the challenges in modelling aerosol-lung interactions, aerosol toxicology and the survivability of microbes in aerosol. I also enjoyed talks on new instrumentation by Adam Birdsall and studies on reaction mechanisms during new particle formation by Murray Johnston.

On Thursday 31st August I presented my poster, and had discussions with many other attendees about my scientific work. Many thanks to the Aerosol Society, UK, for providing the financial support to allow me to travel and attend this rewarding conference.

