

UK Aerosol Society - Travel Award Report

American Association for Aerosol Research (AAAR) 35th Annual Conference, October 17-21, 2016, Portland, USA

The annual AAAR conference is highly regarded and well attended among aerosol researchers. Many of the cited authors, industrial contacts, potential collaborators, and experts in the field were in attendance. At the conference I presented a novel technique for measuring aerosol nanoparticle size and concentration parameters and demonstrated good agreement with a detailed computational model for measured signals. The AAAR was an excellent place to share the proof of concept and newest results while highlighting our ties with UK research and the UK aerosol society.

The presentation gained a good amount of attention despite being in one of the conventionally less popular, “Aerosol Physics” sessions. I was asked two excellent questions regarding the device response to different aerosol materials and morphology - one from an industrial contact in the US and the other from a leading expert in the field. Both questions helped me to clarify my existing plans for future experiments. Since the meeting I have exchanged e-mails with both questioners and am now planning collaborations with the industrial contact.

I attended several interesting talks though I found the poster sessions to be the most valuable considering there were hundreds of posters on a range of subjects. Considering the study of aerosols is a relatively new subject to me, I was able to get a broad exposure to current research and drill down on specific topics by asking questions of the presenters. Through a series questioning, I was able to track down the cause of some experimental difficulties I’ve had which has proven to be highly valuable.

The conference allowed me to clarify some of my own research plans through exposure to other research and through feedback with other attendees. A collaboration has started because of my attendance at the conference and I thought of at least one good research idea which I am trying to push forward. Also, I found out the cause of an experimental issue I was having. For those reasons, the conference was highly valuable to me and my research and I sincerely thank the UK Aerosol Society for their support.



Nishida, R., Boies, A., Hochgreb, S. “Experimental Evaluation of a 3D Computational Model of Aerosol Nanoparticle Photoionization in an Applied Electric Field” *American Association for Aerosol Research 35th Annual Conference*, October 17-21, 2016, Portland, USA