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Poster in Hydrocarbons Session: Monday 28th August

Title: Developing a method to estimate molecular mass distributions of petroleum asphaltenes with LD- and MALDI-MS

I attended the 17th International Mass Spectroscopy Conference in Prague, Czech Republic presenting a poster. The title of my poster was “Developing a method to estimate molecular mass distributions of petroleum asphaltenes with LD- and MALDI-MS” presented in the *Hydrocarbons* session on *Monday 28th August*. Since these techniques have not been developed widely in the study of hydrocarbons I have examined a large number of matrices and operating conditions, to find the most suitable matrices and also the best operating conditions to use these mass spectrometry techniques on fossil fuel hydrocarbons.

The conference was very useful for my area of research. Although most lectures and posters were focused on polymers and biomolecules I found few outstanding works on the mass spectrometry of hydrocarbons. Especially the keynote lectures by Prof. A. G. Marshall and Dr. R. P. Rodgers, University State of Florida, were particularly helpful to my work. I had the chance to discuss my work with some of the experts in this particular area and obtained valuable feedback and suggestions, which I will use in my new project on asphaltenes this October at Imperial College London.

I would like to thank British Mass Spectroscopy Society for the travel grant, which facilitated my participation in this conference.