

Ninth International Conference on Nuclear and Radiochemistry
Helsinki, Finland
29th August- 2nd September 2016

I am extremely grateful to the Mineralogical Society of Great Britain and Ireland for awarding me a postgraduate student bursary which enabled me to attend the ninth international conference on nuclear and radiochemistry in Helsinki, Finland. The conference was held for 5 days in the Marina Congress Center on the coast of the city, with great views of passing cruise liners from the poster session area. Topics covered at the conference included environmental radioactivity, chemistry of the nuclear fuel cycle, radionuclide speciation and much more.

I was given the opportunity to speak at the conference on Wednesday afternoon during the session of chemistry of the nuclear fuel cycle about my work on 'The incorporation of uranium into Fe(II)/Fe(III) (oxyhydr)oxides'. This work looks into how uranium (V) can be encapsulated and incorporated during the coprecipitation of uranium with magnetite or green rust I and is currently being written up for publication. After my talk I received questions about the stability of U within the green rust, which I was able to respond to.



In addition to presenting my own work, during the breaks I was also able to discuss my work with researchers from across the globe. Furthermore, a highlight for me was the poster session, which gave me the opportunity to learn more about different aspects of nuclear radiochemistry, especially the interaction between mineral phases and radionuclides that I have not worked with, such as americium and plutonium.

The conference ended on a high with the conference meal, which was hosted on an island close to the conference centre.

Finally, I would like to thank the mineralogical society again for financial assistance for this conference.

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