



Australian Government



Nuclear-based science benefiting all Australians

Kim Finnie – ANSTO chemist

Branch of chemistry: Materials Chemistry/Spectroscopy

Your work: I have been working in the sol-gel laboratory of the Functional Materials section at ANSTO since 1993, investigating the formation and use of ceramic materials in various forms, largely coatings (i.e. thin films) and particles. More recently, I and three others formed a business unit of ANSTO called 'Ceramisphere' which is tasked with commercialising a controlled release technology developed in our laboratory based on silica micro and nanospheres. My main role is in the securing of Intellectual Property (patents, etc) regarding the technology, and to conduct development work with companies interested in using our controlled release system.

With whom do you collaborate in your collection and analysis of data?

Most of our data analysis occurs in the Institute of Materials Science and Engineering at ANSTO as we are very well equipped in the area of Materials Analysis. However, we are collaborating with a laboratory at the Ian Wark Institute in South Australia whose scientists are experts in surface analysis for more sophisticated surface analysis such as by X-ray Photoelectron Spectroscopy (XPS).

We do also occasionally use overseas facilities such as small angle neutron scattering instruments – and are looking forward to having these instruments available at ANSTO when OPAL comes on line.

