

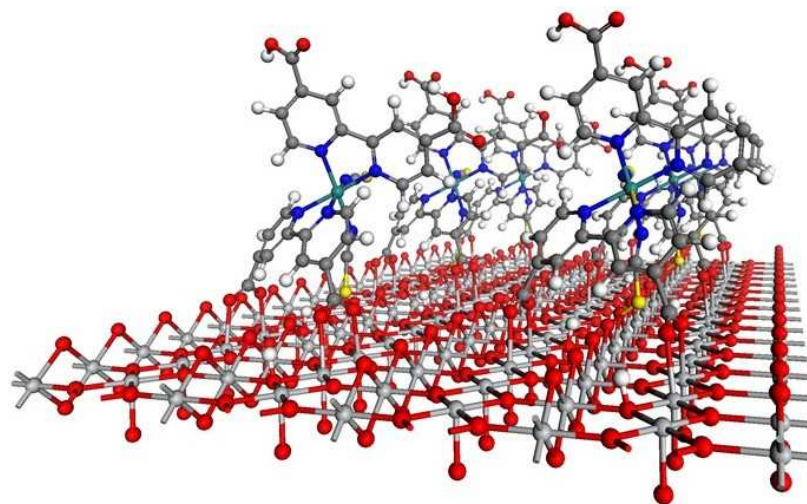
James O'Shea

Associate Professor & Reader in Physics

Materials investigated: oxide and metal surfaces functionalised with complex molecules such as dyes, fullerenes, polymers and nanoparticles.

Methods used: electropray deposition (ESD) in ultra-high vacuum (UHV), near-ambient pressure x-ray photoelectron spectroscopy (NAP-XPS), synchrotron radiation, x-ray absorption spectroscopy (XAS).

Applications: solar cells, water splitting, molecular electronics, transparent conducting oxides.



Email: J.Oshea@nottingham.ac.uk

Webpage: <https://www.nottingham.ac.uk/research/groups/aerospace-transport/people/j.oshea>