



### **Professor Philip Withers**

**Regius Professor of Materials, University of Manchester**

**Presentation Title:** Keeping an eye on advanced materials

Professor Philip Withers FRS, FEng, FRAeS, FIMMM is interested in gaining a fundamental understanding of the performance of materials through his pioneering use of neutron, synchrotron X-ray and laboratory X-ray beams to provide new insights on behaviour, often in-operando under demanding conditions. He is a Fellow of the Institute of Materials, Minerals and Mining (IoM3, 2004), the Royal Academy of Engineering (2005), the Royal Aeronautical Society (2008) and the Royal Society (2016) and Academia Europaea (2017). He set up the Manchester X-ray Imaging Facility which has one of the most extensive sets of X-ray CT scanners which was awarded the Queen's Anniversary Medal in 2014. He became the inaugural Regius Professor of Materials in 2017 and is currently Chief Scientist for the Henry Royce Institute for Advanced Materials. Besides being fascinated by understanding how materials behave he is a passionate communicator of science to the public.