School of Materials Science and Engineering

Seminar Topic:
Solid State NMR and Its Application to Structural Studies of Functional Materials

Dr Thomas Hooper
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Abstract

This talk will give a brief introduction to the physics of nuclear magnetic resonance (NMR), before proposing the benefits of NMR over other analytical techniques for structural studies of solids. The features of the solid state NMR facility at NTU will be detailed alongside the practical aspects and requirements for the use of the facility. A selection of the solid state NMR work already performed at NTU on ERI@N/MSE materials will be presented to close the talk.

Biography

Dr Thomas Hooper is a Research Fellow at the Energy Research Institute @ NTU. His research focuses on the study of functional perovskite materials using solid state nuclear magnetic resonance. He earned his Ph.D. in Physics while working at the University of Warwick’s Solid State NMR Group (UK).

Friday, 30 November 2018 ll Time: 1:30 pm – 2:30 pm ll
Venue: MSE Meeting Room (N4.1-01-28)
Hosted by: Professor Subodh Mhaisalkar

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