



# *RCMS · IGER Seminar*



## **“Femtosecond spin and charge dynamics in molecular magnets”**



**Lecturer : Dr. J. Olof Johansson**

**(University of Edinburgh)**

**Date : Fri. 29th June 15:00 – 16:30**

**Place: Noyori Materials Science Laboratory  
Chemistry Gallery**

Switching the physical properties of magnetic functional materials to metastable states using external perturbations is of great interest for future electronic and information storage technologies. Femtosecond spectroscopy is currently the only technology able to function beyond 1 THz, therefore well adapted for investigating the main mechanisms involved in a switching process. In this talk, we will discuss recent results demonstrating the powerful combination of transient absorption spectroscopy, femtosecond magneto-optics, and spectroelectrochemistry to understand photoinduced magnetisation dynamics in magnetic functional materials.

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