

Professor Gillian Gehring

Gillian Gehring is from the Department of Physics and Astronomy University of Sheffield. After a career as a theoretical physicist working in various areas of magnetism particularly on the many body theory of strongly correlated electron materials – most recently studying oxides– I started to run an experimental group in 2003. We have studied the transport and magneto-optical properties of oxides particularly doped ZnO and more recently doped In_2O_3 . We have concentrated on the relation between magnetism and carrier density and also ways of determining the polarisation of the mobile carriers. I was awarded the Institute of Physics Mott medal and prize in 2009 in recognition of my work in condensed matter physics.