

## **Bella Lake**

### Experimental investigation of frustrated magnets

This lecture will describe how frustrated magnets are investigated experimentally. Topics covered start from the choice of materials designed to enhance magnetic frustration, to signatures of frustration present in bulk physical properties and finally the investigations of ground states and excitations using muon spectroscopy and inelastic neutron scattering. The lecture will also cover how experimental data can be compared to theoretical calculation to provide further evidence for frustration and how the investigation of real materials broadens our understanding of frustrated phenomena.