

Microsymposium

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Conventional and unconventional studies of magnetic structures with x-rays

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This talk will provide a brief introduction to modern synchrotron facilities and techniques for studies of magnetic structures, highlighting some examples, limitations and future directions. We will focus on the use of hard x-ray probes of single crystal samples. The talk will then move into less well-charted territory, highlighting some recent investigations where higher-order multipole resonances and induced charge scattering play important roles, along with new approaches to observing magnetoelectric sample properties.

Keywords: [magnetism](#), [x-rays](#), [magnetoelectric](#)