



## Symposium: Novel functional materials

**Novel functional materials session** is for original contributions to research on the synthesis, behavior and characterization of functional materials. Novel functional materials are designed to make use of their new functionalities to respond to changes in electrical and magnetic fields, physical and chemical environment, etc. These design considerations are functionally different to those relevant for structural materials. Novel functional materials play an increasingly important role in the development of the field of materials science and engineering. The scope of the novel functional materials session covers theoretical and experimental studies of novel functional materials, characterization and new applications-related research on functional materials in macro-, micro- and nano-scale science and engineering. Among the topics covered are new ferroelectric, multiferroic, ferromagnetic, magneto-optical, optoelectric, thermoelectric, energy conversion and energy storage, sustainable energy and shape memory materials.