

Special Issue for CURRENT INORGANIC CHEMISTRY (CIC)

“Phase transition and Dynamical properties of Spin Transition Materials”

**[Guest Editors]**

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**[Scope of the issue]**

Cooperative effects in solid-state materials provide various interesting nature of phase transitions and also dynamical properties as a function of various parameters, e.g., temperature, pressure, photo-irradiation, etc. Thanks to the rich structure of multi-stable states, the systems exhibit various non-trivial phenomena, e.g., multi-step phase transition, existence of hidden metastable state at low temperatures, etc. Moreover, responding to light irradiation, the systems show photo-induced phase transitions which demonstrate photo-switching between the bistable states of phase transition materials. We will overview the phase transition materials and characterize them from a unified picture, investigate the specific features of their phase transition behaviors, and also explore the functional properties of phase transition materials.

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- **Submission of manuscripts for review: (28/02/2015)**
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