

Symposium 4: Symposium on Multiferroic Materials

Multiferroic materials especially magnetoelectric materials have been receiving the increasing scientific interests because of rich physics and great potential applications in spintronic technologies, and they are just on the cutting edge of materials sciences. Recently, great progresses have been achieved both in composite and single phase multiferroic materials. This symposium provides a forum for the worldwide multiferroic community from both fields of materials sciences and condensed matter physics to discuss hot topics such as multiferroic theory, materials development, design, structure and property control, characterization, and possible applications.

<PROPOSED SESSION TOPICS>

- Fundamental issues and frontiers of multiferroics
- Multiferroic thin films
- Multiferroic and superlattices
- Type-I multiferroics and BiFeO₃-based ceramics
- Type-II multiferroics
- Single phase R-T multiferroic new systems
- Calculation and theoretical prediction on multiferroics
- Characterizations and applications of multiferroic materials

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<INVITED LECTURES>

Tentative invited lecture information is posted in the following URL;
http://www.ceramic.or.jp/pacrim13/list_of_invited_speakers.html#4