

Symposium on “Innovative Nanomaterials Using Ion Technology”

Organized by

Materials Research Society of Japan

Co-organized by

Nanotechnology Researchers Network Center of Japan

For nearly a half century, there has been great materials science progress in the use of ion beam technology, both in physical/chemical analysis using ion beams and in materials processing by ion implantation. Although high-energy ions have unique characteristics in the non-equilibrium nature of the processing, and superb spatial controllability of implants, other competing technologies such as MBE, SPM etc. have recently been emerging as well. This symposium deals with nanomaterials, non-equilibrium materials and bio-materials, etc. using new ion technologies for materials. Papers associated with innovative materials and processes using ion beams are invited in this symposium, and it is hoped that new and novel methods using ion beam technology will emerge.

Topics

- Ion beam technology
- Materials processing
- Nonequilibrium processes
- Nanomaterials
- Nanoparticles
- Biomaterials
- Innovative materials
- Innovative technology

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