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### Mitsuteru Inoue

Affiliation	Doctoral Programs in Graduate School of Engineering
Title	Professor
Fields of Research	Electronics / Magnetics
Degree	Ph.D in Eng. (Toyohashi University of Technology)
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[Japanese](#)


### Research

Our expertise is laid on the field of magnetics. Based upon the interaction among spins and other physical quantities such as light and sound, new class of functional materials and their applications are now under investigations.

Fabrication of magnetophonic crystals with artificial periodic structures and elucidation of their linear and nonlinear optical properties, preparation of nano-structured magnetic materials, formation of electronic ceramics, are good examples of the studies in material development section of our group.

The application section of our group is now interested in the holographic optical data storage, optical switches with ultrahigh speed, three-dimensional display, ultra-fast spatial light modulators, and unwire SAW sensing systems.

These studies have been supported, in part, by JST-CREST, MEXT evolutionary technology development project, NEDO nano-level electronic ceramics development project, and Grant-In-Aid from MEXT.

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