

## Categories

Subjects		Topics
1	Magnetic Recording	MR heads, Inductive heads, Longitudinal recording media, Perpendicular recording media, Head-media interface, Magnetic record/playback characteristics, Heat-assisted magnetic recording, Computer simulation, Optical heads, Magneto-optical recording media, Magneto-optical hybrid recording media and methods, Magneto-optical/hybrid recording/playback characteristics (including recording/playback methods), Others.
2	Hard and Soft Magnetic Materials	Permanent magnets, Composite magnetic materials, Iron core materials, Head materials, Nanocrystalline materials, Magnetostrictive materials, Others.
3	Physics of Magnetism, Utilization of High Magnetic Fields	Magnetic phase transition, Magnetic order, Magnetic anisotropy, Magnetostriction, Transport phenomena (Magnetoresistance effect, Hall effect, etc.), Magnetization mechanism, Magnetic domains, Strongly correlated electron systems, CMR, Superconductivity, Microwave, Magneto-optics, Magnetic field orientation, Magnetic separation Others.
4	Thin Films, Fine Particles, Multilayers, and Superlattices	Metal and alloy films, Oxide films, Nitride films, Deposition technology, Fine particles, Microfabrication technology, etc.
5	Spintronics	Magnetoresistive materials, Spin valves, Exchange coupling, Magnetic anisotropy, TMR, MRAM, Spin transistors, Spin injection magnetization switching, Spin transfer effect, Others
6	Measurement Technique, High-frequency Devices, Magnetic Imaging	Sensors & Measurements, Measuring Methods, Magnetic Shielding, High Frequency Devices, Microwave Devices, Scanning Probe Microscope, Synchrotron Radiation & Magneto-optical, Electron Microscope, Neutron, Nondestructive Testing, Others
7	Power Magnetics	Motor, Actuator, Transformer, Power Conversion Control, Magnetic Field Analysis, Other
8	Biomagnetism and Medical Application	Magnetocardiogram, Magnetoencephalograph, Actuators for medical and nursing care, Magnetic field environment, High magnetic field bio-effects, Others