



## Handbook of Magnetic Materials: Volume 12 (Hardback)

By Gerard Meurant

ELSEVIER SCIENCE TECHNOLOGY, United States, 1999. Hardback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This volume is composed of topical review articles written by leading authorities in the field. As in previous volumes in the series, each article presents an extensive description in graphical as well as in tabular form, placing emphasis on the discussion of the experimental material in the framework of physics, chemistry and material science. Chapter one focuses on GMR in magnetic multilayers, spin valves, multilayers on grooved substrates and multilayered nanowires. Furthermore it comprises theoretical models and employs the experimental data to discuss the current understanding of GMR and the underlying physics. A key aspect of the study of the properties of thin magnetic films and multilayers is the relationship between the structural and magnetic properties of the material, which has become one of the most active areas of research in magnetism in recent years. NMR is a well-known technique that offers the possibility to obtain experimental information on atomic scale properties in systems with reduced dimensionality. Chapter two reviews the results obtained by NMR on the latter systems. Written in tutorial style it will be helpful to scientists familiar with...



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