

REVIEWS OF BOOKS

Magnetism, Magnetic Materials and their Applications*Proceedings of the International Workshop, La Habana, Cuba, 21-29 May 1991*

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Institute of Physics Publishing, Bristol and Philadelphia 1992

Due to the rapid progress in materials science, particularly in magnetic materials, there is a need to keep abreast of developments which seem to be greater than ever before, therefore, a large number of schools and workshops take place each year to satisfy the need nowadays. The present book is the proceedings of such a workshop, the International Workshop on Magnetism, Magnetic Materials and their Applications, held in Cuba in the spring of 1991. The subject matter is, generally speaking, modern magnetic materials with particular emphasis on hard and soft magnetic materials, amorphous materials, magnetic thin films and multilayers. The workshop very effectively map the directions in which physics of magnetic materials is developing. Most of the presented articles are of a high standard and the reviewer was particularly interested in the following papers:

1. J. Ferre (Paris) on magneto-optics in ultra-thin magnetic films and multilayers,
2. D. Fiorani and A.M. Testa (Roma) on experiments on insulating spin glasses,
3. R. Grossinger (Wien) on magnetic anisotropy, coercivity mechanism and magnetization process in hard magnetic materials,
4. A. Hermando (Madrid) on technical magnetism in amorphous ferromagnets,
5. F. Leccabue (Parma) on preparation, phase formation and properties of rare earth intermetallic alloys.

This is a personal selection of to the viewer but he feels the proceedings contain many such good papers. Apart from 16 long invited lectures, there is a bundle of short communications which usefully show the latest state of knowledge in the field of magnetic materials (and magnetic properties of high- T_c superconductors as well). This is a useful book and it will be appreciated by all researchers and scientists active in the materials science and magnetic materials related areas.

Henryk Szymczak