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Materials for Magneto-Optic Data Storage

Editors: C. J. Robinson, T. Suzuki and C. M. Falco

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Materials for Magneto-Optic Data Storage

Symposium held April 25-26, 1989, San Diego, California, U.S.A.

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Preface

This volume contains papers presented at the Symposium on "Materials for Magneto-Optic Data Storage" held as part of the 1989 Spring Meeting of the Materials Research Society in San Diego, California, April 24-28, 1989.

The symposium was the first of its type in that it dealt specifically with material science aspects of this technology. The symposium brought together the leading groups in this field from Japan, Europe and the United States working in areas of material preparation, characterization, and basic and applied research. In recent years, the commercial importance of this technology has grown rapidly with the result that industrial support for research in this field has increased. This is particularly apparent by the industrial interest and support given to this symposium. In response to this, university groups and government organizations have increased their research activities in this area, and we now see progress being made in basic understanding of the atomic structure and magnetism in amorphous rare earth-transition metal alloys as well as pioneering work into new materials.

The symposium spanned two days and was well attended throughout. It achieved the objective of providing an international gathering of materials scientists and engineers working in this field. In particular, it provided a forum for wide ranging, in-depth discussions of all the important magneto-optic materials currently under development.

C.J. Robinson

T. Suzuki

C. Falco

June 1989

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Finally, we extend our gratitude to the staff of the Materials Research Society and the meeting co-chairs for their efforts in bringing the conference into coherence. In particular, we thank Robin F.C. Farrow for his encouragement and enthusiasm in the initial conception of this symposium.

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