

PROCEEDINGS

**4TH INTERNATIONAL CONFERENCE
ON
MOLTEN SLAGS AND FLUXES
(Molten Slags & Fluxes '92)**

8 - 11 June, 1992



**SENDAI INTERNATIONAL CENTER
SENDAI JAPAN**



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PREFACE

This volume contains the papers to have been presented at the 4th International Conference on Molten Slags and Fluxes, which was held in Sendai, Japan, on 8-11 June, 1992, under the sponsorship of the Iron and Steel Institute of Japan.

These conferences were originated by Dr. C. R. Masson in 1980 in Halifax, Canada, and subsequently held every four years. Previous locations were Lake Tahoe, U. S. A., in 1984 by Professors H. A. Fine and D. R. Gaskell, and Glasgow, U. K., in 1988 by Professor H. Bell.

From the remarkable success of the past three meetings, this conference has established a reputation for high standard in the field of metallurgy. By the help of the high reputation, a total of 113 papers were submitted to be presented at the conference, and 51 papers of them were from 15 foreign countries.

An old proverb says "Look after the slag, and the metal will look after itself." This is a reason why we are much interested in the research of the molten slags. The present conference covered the wide range of research field from fundamentals to their application of slag chemistry, related to high purity steel, nonmetallic inclusion in steel, smelting reduction, flux of continuous casting, electro-plating and nonferrous metallurgy. It is sure that this conference will be a big step to advance our experience and knowledge in regard to the theory, new development and possible application of slag chemistry.

The organizing committee are very grateful to those who participate to the conference as plenary lecturers, authors, chairpersons and discussion participants. In closing, particular thanks for the financial support are extended to following organizations.

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