

# TABLE OF CONTENTS

Foreword	v
Structure-Properties Relationships in Boron Steels <i>Ph. Maitrepierre, J. Rofes-Vernis, and D. Thivellier</i>	1
Boron Hardenability Mechanisms <i>J. E. Morral and T. B. Cameron</i>	19
Phase Equilibrium and Compound Formation in FE-M(METAL)-B-X (NONMETAL) Systems <i>P. Rogl, J. C. Schuster, and H. Nowotny</i>	33
Hardenability of Boron-Treated Low Carbon Low Alloy Steels <i>Y. Ohmori and K. Yamanaka</i>	44
Methods of Detecting Boron in Steel <i>T. B. Cameron and J. E. Morral</i>	61
Boron in Austenitic Stainless Steels <i>B. J. Thomas and G. Henry</i>	80
A New Look at Boron Effectiveness in Heat Treated Steels <i>C. T. Kunze and G. Keil</i>	106
Evaluation and Practical Application of the Hardenability of Boron Steel <i>K.-E. Theilning</i>	127
How Boron Affects the Hardenability of Low Carbon Alloy Steels <i>S. Pakrasi, E. Just, J. Betzold, and F. Höllrigl-Rosta</i>	147
Boron in HSLA Steels: Potentialities, State of the Art and the Prospects <i>G. J. Sojka, M. R. Krishnadev, and S. K. Banerji</i>	165
Enhanced Nucleation of Polygonal Ferrite Grain in the Interior of Austenite Grain in Boron Bearing Steel <i>S. Ueda, M. Ishikawa, and N. Ohashi</i>	181
The Present Status and Future of Boron Steels <i>L. F. Porter</i>	199
Subject Index	212