

Table of Contents

Preface

Intrinsic Point Defects and Grown-in Defects in Silicon

T. Okino 1

Point Defect Assisted Diffusion in Semiconductors

J. Dąbrowski 23

Diffusion and Electrical Properties of 3d Transition-Metal Impurities in Silicon

H. Kitagawa 51

Metastable Defects in Compound Semiconductors

J.C. Bourgoin 73

Electronic Structure and Hyperfine Structure of Deep Donors in Si and in Some Compound Semiconductors

H. Overhof 93

Role of Oxygen in Metal Silicide Formation and Properties

S.P. Murarka 119

The Effects of Implanted Arsenic on Ti-Silicide Formation

M. Milosavljević, N. Bibić, D. Peruško, C. Jeynes and U. Bangert 147

The Interaction of Hydrogen with Deep Level Defects in Silicon

R. Jones, B.J. Coomer, J.P. Goss, B. Hourahine and A. Resende 173

Role of Metal Impurity 'Bi' in Amorphous Chalcogenide Semiconductors

C. Vautier 249