

## Contents

### Casting and Solidification

- Numerical Analysis on Fluid Dynamic Phenomena in a Strip Caster Mold by L.E.S.  
S. KAJIWARA and K. ONISHI ..... 785

### Forming Processing and Thermomechanical Treatment

- Fundamental Investigation of Thermal Profile Control in Plate Rolling  
K. OHE and Y. MORIMOTO ..... 793
- Characteristics of Deformation in Hot Extrusion Process of Stainless Steel Tube  
M. FURUGEN, H. MATSUO, T. FUKUYASU, T. NAKANISHI and J. YANAGIMOTO ..... 801

### Surface Treatment and Corrosion

- Effect of Trace Inorganic Additives on the Morphology and Crystal Orientation of Zn Electrodeposited  
on the Steel from Sulfate Electrolyte/H. NAKANO, K. ARAGA, M. IWAI and K. MIKI ..... 806
- Effect of Lanthanum Hydroxide Coating on the High Temperature Oxidation of SUS430 Stainless Steel  
A. SAITO, I. SAEKI and R. FURUCHI ..... 814

### Transformations and Microstructures

- Kinetic Analysis of Decarburizing during Continuous Annealing in Extra Low Carbon Steel  
T. YAMASHITA, A. TOSAKA, M. ARATANI and T. NARUTANI ..... 821
- Effect of Solute Mo, W and Dispersoid carbonitride on High Temperature Creep of Ferritic Steels  
Y. KADOYA and E. SHIMIZU ..... 827
- Phase Decomposition of Stainless Steel Weldment by Thermal Aging  
Y. KUDOH, H. KUWANO, T. MIURA, T. YOSHIMURA and Y. ISHIKAWA ..... 835

### Mechanical Properties

- Degradation of Mod.9Cr-1Mo Steel during Long-term Creep Deformation  
H. KUSHIMA, K. KIMURA and F. ABE ..... 841
- Effect of Initial Microstructure on Long-term Creep Strength Properties of 2.25Cr-1Mo Steel  
H. KUSHIMA, K. KIMURA, F. ABE, K. YAGI, H. IRIE and K. MARUYAMA ..... 848
- Fatigue-hardening Behavior of TRIP-aided Bainitic Steels  
K. SUGIMOTO, M. KOBAYASHI, K. INOUE and S. MASUDA ..... 856