CONTENT OF ALL VOLUMES

Editorial Board List of Contributors to Volume 3 Preface

v vii ix

VOLUME 3

Radiation Effects in Materials for Fission Energy Systems

3.01 Radiation Effects in Zirconium Alloys Fabien Onimus, Sylvie Doriot, and J-L Béchade

3.02 Radiation-Induced Damage in Austenitic Structu Frank A Garner

3.03 Radiation Damage of Reactor Pressure Vessel Ste C English and J Hyde

3.04 Fracture Toughness Master Curve of bcc Steels T Planman, WL Server, and M Yamamoto

3.05 Radiation Effects in Ferritic Steels and Advanced Naoyuki Hashimoto, Ryuta Kasada, Baldev Raj, and M V

3.06 Oxide Dispersion Strengthened Steels Shigeharu Ukai, Naoko Oono-Hori, and Satoshi Ohtsuka

3.07 Radiation Effects in FeCrAl Alloys for Nuclear P Kevin G Field and Samuel A Briggs

	1
ıral Steels Used in Nuclear Reactors	57
eels	169
	197
l Ferritic-Martensitic Steels /ijayalakshmi	226
· · · · ·	255
ower Applications	293

xiv Contents of all Volumes

3.08 Performance of Aluminum in Research Reactors Kenneth Farrell	307
3.09 Radiation Effects in Nickel-Based Alloys Malcolm Griffiths and Robin Boothby	334
3.10 Radiation Effects in Refractory Metals and Alloys Keith J Leonard and Chase N Taylor	372
3.11 Radiation Effects in Graphite Anne A Campbell and Timothy D Burchell	398
3.12 Radiation Effects in SiC and SiC-SiC Lance L Snead, Yutai Katoh, and Takashi Nozawa	437
3.13 Thermal Spectrum Control Rod Materials Ron M Horn, Antoine Ambard, and Brian D Frew	462
3.14 Fast Spectrum Control Rod Materials <i>Koji Maeda</i>	489
3.15 Welds for Nuclear Systems George A Young, Micah J Hackett, Julie D Tucker, and Thomas E Capobianco	517
3.16 Polymers in the Nuclear Power Industry Muriel Ferry, Guido Roma, Florence Cochin, Stéphane Esnouf, Vincent Dauvois, Fidèle Nizeyimana, Benoit Gervais, and Yvette Ngono-Ravache	545
3.17 Concrete Performance and Durability in NPPs Valerie L'Hostis and Dan J Naus	581
3.18 Radiation Effects in concrete for Nuclear Systems <i>Yann Le Pape</i>	592