

Preface

Analysis of microstructure and properties of polymers, composites, and structural metals are the main topics of this edition.

Analysis of welding processes and electric arc surfacing and results of computational materials science studies are also presented.

The section on functional ceramics contains the results of properties research of ferroelectrics and ferrites that have wide applications in electronics and radio engineering.

Some research results are related to materials for application in energy storage devices and fuel cells.

This book will be interesting to various categories of engineers and researchers from the area of applied materials science.