

Preface

Mass transport plays the central role in the fabrication of all engineering materials as well as their in-service degradation. Understanding mass transport at many levels, from atomic to macro, has therefore long attracted the attention many researchers in materials science and engineering and related disciplines. The present topical volume captures a representative cross-section of some of the recent advances in the area of mass transport. Reflecting the enormous breadth of the area, the range of topics covered is accordingly very large. Topics include diffusion in oxides, metals and alloys, membranes, microstructural changes and evolution, self, solute and interdiffusion, and diffusion in grain boundaries.

We wish to thank the authors for their participation and cooperation in this topical volume and their efforts in preparing their manuscripts. We also wish to thank Thomas Wohlbier for his encouragement and the team at TTP for their cooperation.

December, 2012

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