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## Preface

The three volumes VIII/3A, B, C of Energy Technologies should primarily serve scientists, engineers, and students to get information on physical, chemical and technical properties of all technologies to provide, convert, distribute, store and finally use energy, supplemented with economic background information and with specific concepts to allow the reader a proper comparison of different energy technologies. In this way these volumes on energy technologies should finally be helpful to let the human society pave and walk towards sufficient and environmentally safe provision and use of energy. The various contributions have been written by experts from many countries all around the globe engaged in universities, public research institutions and private industrial companies.

The scope and content of the various chapters are briefly outlined in the introductory chapter 1 of the first volume, VIII/3A. The first volume, Energy Technologies, VIII/3A, covers fossil fuels, storage and transport of electric energy and road-, rail-, ship-, and air-transport technologies. The second volume, Energy Technologies (Nuclear), VIII/3B, covers nuclear fission and fusion. The third volume, Energy Technologies (Renewable), VIII/3C, covers all options of renewable energy.

It is a pleasure to acknowledge the competent and careful presentations and the inspiring cooperation of all the various authors of the different contributions in the three volumes and the efficient and accurate work of the editorial staff of Landolt-Börnstein, especially of T. Schwaibold.

Bonn, May 2006

The Editor

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