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Preface

This Volume of the Transactions of Wessex Institute contains the edited proceedings of the 1st International Conference on Energy and Sustainability that was held at the Wessex Institute of Technology in June 2007. The conference offered an opportunity for professionals from the energy sector and industrial sector as well as governmental and non-governmental organizations and other interested parties to be involved in discussions on key issues and challenges in energy and sustainability and to exchange experiences and views on the current technologies and strategies applied in different parts of the world.

Sustainable energy production is one of the key issues of the modern society and requires new ideas to advance the technologies and strategies currently in use. The main fields, which are the focus of many research efforts, are: renewable energy sources, energy storage, energy transportation, energy efficiency, energy and sustainability, etc. These and other aspects were the focus of the presentations and discussions carried out at the conference.

The proceedings of the conference address a wide range of the current waste management issues, which are conveniently arranged in the following sections:

- Energy resources management
- Energy efficiency
- Energy and life cycle analysis
- Energy and the environment
- Energy and built environment
- Renewable energy technologies
- Computer modelling
- Nuclear fuels
- Hydrocarbon exploration and recovery
- Energy markets and policy

The Editors would like to thank the members of the International Scientific Advisory Committee for their assistance in promoting the Meeting and review of abstracts and follow-up papers that are contained in this book. Their work has ensured high quality standards for the conference and this volume. Finally, the authors are to be commended for their excellent contributions, which advance the sustainable energy strategies.

The Editors
New Forest, 2007

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