

Preface

This third volume of the book on Sustainable Automotive Technologies published by Springer is a result of extensive investigations undertaken by researchers from industry, government research institutes, and universities worldwide. The book includes a selection of 17 papers from the total of 35 contributions presented at the Conference, coming from Europe, US, Hong Kong, Australia and Columbia. The contributions that have been selected for publication in this book have been peer reviewed by an international panel of experts and edited by the Editors appointed by Springer.

This publication is an important outcome of the 3rd International Conference on Sustainable Automotive Technologies, ICSAT2011 that was organised in Clemson, South Carolina, US by the Clemson University International Centre for Automotive Research (ICAR), in collaboration with the University of Applied Sciences Ingolstadt, Germany and RMIT University in Melbourne, Australia. It follows the successful launch of the first conference in this series that was held in Melbourne in 2008 and chaired by Professor Aleksandar Subic, and the subsequent second conference which was held in Chiemsee in the German Alps and chaired by Professor Joerg Wellnitz. This third conference in the series is chaired by Professor Steve Hung. The ICSAT2011 conference has attracted over 100 participants from many organisations and countries. The conference has attracted significant industry support, especially from the local automotive industry hub in South Carolina, US.

The Editors and their respective universities are proud to announce this publication that represents an important milestone for the dissemination of knowledge about sustainable automotive technologies, and in particular about the emerging and developing green car technologies. With over 900 million vehicles on world roads today contributing to around 16% of total greenhouse gas emissions (and rising), the need for strategic research in and rapid development of green cars and associated sustainable technologies is growing. The book aims to address this need by highlighting some of the key technologies and practices in this field. It also aims to provide a balanced view on the range of green car technologies considered by industry and academia.

The Editors wish to thank all authors, international reviewers and Springer for their support and contributions without which this publication would not be possible. We hope that everyone involved with sustainable automotive technologies or interested in this particular topic will find this book to be a valuable resource going forward.

The Editors

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