

Smart Innovation, Systems and Technologies

Volume 52

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Sustainable Design and Manufacturing 2016

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Preface

This volume forms the proceedings of the Third International Conference on Sustainable Design and Manufacturing (SDM-16), organized by KES International and Cardiff University, UK in collaboration with the Technical University of Crete, Greece between 4 and 6 April 2016.

This conference provided excellent opportunities for the presentation of interesting new research results and discussion about the theory and applications in the field of sustainable design and manufacturing, leading to knowledge exchange and the generation of new ideas. This field includes both the design and manufacturing of sustainable products and the sustainable design and manufacturing of all products. The application areas included all the activities during the product life cycle and other activities such as modelling and simulation, decision support, production planning and control, logistics and supply chain management.

The conference programme was very exciting with over 60 papers to be presented across 12 parallel sessions. We were privileged to have had three keynote speakers: Prof. Gül E. Kremer, Professor of Engineering Design and Industrial Engineering, The Pennsylvania State University; Dr. Andy Clifton, Sustainability Manager for Engineering & Design, Rolls-Royce, UK; and Dr. Bin Song, Senior Scientist, Singapore Institute of Manufacturing Technology (SIMTech), Singapore.

We would like to take this opportunity to acknowledge the effort and work put in by all those people who made it possible to organize SDM-16. We are grateful to the scientific committee, to the supporting organizations and the members of the organizing committee for their efforts to ensure that this conference is a success.

We hope that the conference proceedings form a useful and interesting foundation for further research into this evolving and vibrant field.

Rossi Setchi
Robert J. Howlett
Ying Liu
Peter Theobald

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