

Editorial

This volume is a prestigious collection of refereed papers in advanced design, manufacture and related subject areas. All papers included in this special issue are selected from the peer review process and are original contributions, reflecting the state of the art, emerging technologies, recent success, and define major research challenges in the subject areas.

Major topics covered by the papers published in this book, include

- Sustainable development and technologies
- Engineering/product/industrial design
- Manufacture and production
- Engineering materials
- Gearing, mechanical transmission and mechanisms
- Machine condition monitoring
- CAD/CAM/CAE
- Finite/boundary element methods
- Optimisation, simulation and computing technologies.
- Robotics, automation and control
- Engineering management

The call for abstracts and papers stimulated excellent responses with more than 350 submissions. All the papers submitted were peer reviewed, and, based on the review results, 161 papers were finally selected for inclusion in this book. The authors' and referees' efforts for enhancing the quality of the papers are greatly appreciated.

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