

Preface

The Proceedings of the ICETI2014 selected paper on “Computer-Aid Analysis and Experiment for Advanced Manufacture and Materials” includes 300 papers presented in the third International Conference on Engineering and Technology Innovation 2014(ICETI2014) held in Kenting, Taiwan on October 31 – November 4, 2014. More than 500 submitted papers were reviewed by at least two of the members of the technical committee and the accessory review team. The papers accepted for publication have been considered to be sufficiently original and to contain new developed data or technologies that deserve to be published in the Proceedings. These 300 papers are organized in eight chapters.

- Chapter 1: Materials Processing Technologies and Analysis, Materials Engineering
- Chapter 2: Advanced Design for Thermal and Mechanical Engineering
- Chapter 3: Development and Technologies in Electrical and Electronic Engineering, Communication and Power Engineering Applications
- Chapter 4: Control and Automation Technology, Mechatronics, Robotics for Manufacture and Industry
- Chapter 5: Advanced Development for Information Technologies and Engineering, Networks and Software Applications, Data Acquisition and Processing, Intelligent Systems
- Chapter 6: Modern Design for Green and Environmental Technologies, Energy-Saving Technologies, Structural and Civil Engineering, Applied Mechanics Applications
- Chapter 7: Contemporary Development for Optical Engineering, Image Processing, Quality and Analysis, Measurement, Instrumentation and Detection Technologies
- Chapter 8: Innovation in Management and Design, Related Topics

During the conference, there were over 500 attendees who brought cutting edge knowledge from the industry, academia and government to discourse on research and development, professional practice, business and management in the science and engineering fields. Thank all of the attendees for sharing their research results.

We would like to thank the organization staff, the members of the program committees and reviewers. Thank them for their hard working to make the proceedings and conference come true. We will also express our gratitude to Taiwan Association of Engineering and Technology Innovation for their support in organizing ICETI2014 Conference.

Chien-Hung Liu & Editorial Board
Taichung, Taiwan, R.O.C.
October, 2014

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