

## Preface

The International Conference on Engineering, Applied Sciences, and Technology (ICEAST) was inaugurated in 2007. That first ICEAST was successful with more than 350 papers submission world-wide, of which 240 papers were included in the final program. To continuously provide a general forum for enhancing interdisciplinary interactions, dialogue, and collaborations among all engineers, scientists, technologists and related educators in various topics of current interest. The ICEAST 2013 will be again held in Bangkok during 21-24 August, 2013. The philosophy of the conference is still preserved as its previous event, the 2nd ICEAST (ICEAST 2012).

All the papers in this book have been subjected to a peer-review process based on their originality and quality. The aim of the symposium is to be a platform for researchers to present their latest research works and to exchange their ideas. In material science and technology track, the topics covered in this book include

- Materials for energy conversion
- Nanomaterials: Synthesis and Applications
- Environmental friendly materials
- Biomaterials
- Magnetic materials
- Electroceramic materials
- Materials processing
- Composite materials
- Functional materials
- Thin film Technology
- Materials characterization and simulation
- Materials Technology and Devices

The organizing committee would like to express appreciation to all supporters, sponsors and participants for great contribution to the conference success.

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