

Preface to the Conference Proceedings

On behalf of the conference committee, I would like to extend my warmest welcome to all of the attendees to our International Conference on Engineering Innovation (ICEI 2016). As the President of King Mongkut's University of Technology North Bangkok, I was honored to serve as Chairman of the important event. First, I would like to take this opportunity to convey my appreciation to the organizing committee for untiring efforts to manage this convention.

Being part of the world community, we were all aware that research had consecutively played an extremely important role in its contribution to the body of knowledge and prospect development. While globalization appeared to have significant impacts for the worldwide society, this transnational assembly was intended for wide-ranging engineering research undertakings carried out by the involvement of industry and academic institutions. The selected topics depicted a vast pool of knowledge, resources and expertise of the scientific and technological community, which in turn made a substantial contribution for overall national development. Our sessions, therefore, represented a unique platform encouraging local/ international scholars and professionals to interact for the expansion of their experiences and invaluable insights. It was anticipated that the theme "Make a Better Life on Earth by Engineering Innovation" would raise awareness and understanding regarding issues of global challenges, which had their immediate relevance in our personal lives. Through achieving environmental sustainability, the human society could then move toward a more sustainable and desirable future.

All in all, the conference offered a truly comprehensive view while inspiring the attendees to come up with solid recommendations to tackle hot-topic challenges. I would like to take this opportunity to thank the keynote speakers; presenters and authors for contribution, and bless you all a fulfilling experience and very pleasant stay in our country.

Prof. Dr. Teravuti Boonyasopon

President of King Mongkut's University of Technology North Bangkok

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We were very delighted to introduce the conference proceedings of the First International Conference on Engineering Innovation (the 1st ICEI) which had been held at the Sukosol Hotel, Bangkok, Thailand from 6 – 7 June, 2016, under the theme of “make a better life on earth by engineering innovation”. We were also grateful to all distinguished participants for their contribution to the conference. There were participants from 8 countries, both Europe and Asia to present and discuss their works on a wide variety of topics provided in area of different engineering material.

It was worth nothing to have an opportunity to welcome our invited speakers, Prof. Mitsutoshi Ueda (from Tokyo Institute of Technology, Japan), Prof. Hiroyuki Hamada (from Kyoto Institute of Technology, Japan) and Dr. Phongsatorn Saisujarit (from KMUTNB, Thailand). After the conference, the full manuscripts of 69 topics, which were specifically discussed on “Materials and Applications”, were requested for publication in this volume.

All in all, we would like to express our thanks to all participants for their contributions to the conference program once more and also appreciated for the hard work of the committee in organizing the conference. We highly believed that this conference was an engrossing and captivating discussion for every participant.

On behalf of the editors,
Dr. Somrerk Chandra-ambhorn

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