

Preface

The first Applied Electromagnetic International Conference (APPEIC 2014) was held in the beautiful city of Bandung, Indonesia, during December 16–18, 2014. APPEIC 2014 focused on scientific theories and applications of applied electromagnetic in electronics, communications and computer technology. This international level conference aimed to be more specific in the development and cutting-edge technology related to Applied Electromagnetics. A total of 104 submissions were received from 11 countries such as Malaysia, India, Indonesia, China, Pakistan, Iran, Thailand, Tanzania, United Kingdom, Tunisia and USA. The conference provides a platform where researchers, professionals, academicians and industries share and generate a forum for the latest embedded technologies.

APPEIC 2014 was handled by the Malaysia Technical Scientist Association (MALTESAS) registered with Registrar of Society together with institution of Universiti Malaysia Perlis (UNIMAP). The collaboration was unique in getting participants from the public and private sectors, local and foreign universities, research institute, stakeholders and various industries from all over the region in the field of applied electromagnetic. Associate Prof. Chuwong Phongcharoenpanich delivered the keynote speech entitled ‘Antenna Design for Radio Frequency Identification (RFID) Systems’ where he described the latest technology on antenna design techniques. Professor Ng Kwan Hoong from Universiti Malaysia delivered an interesting topic entitled ‘A Review on the Biological Effects of Radiofrequency Electromagnetic Fields’ where he described the effects of using electromagnetics on human bodies and so on.

The articles in the book were peer reviewed by experts in applied electromagnetics and cover a wide range of applied electromagnetics scientific theories and applications. It should be able to provide industrialists, academia and as well as researchers in this field of applied electromagnetics on the latest technology and development.

The editors acknowledge the Narujaya Enterprise, Malaysia Technical Scientist Association (MALTESAS) and Universiti Malaysia Perlis for organizing and sponsoring this very successful conference.

Hamzah Asyrani Sulaiman
Mohd Azlishah Othman
Mohamad Zoinol Abidin Abd. Aziz
Mohd Fareq Abd Malek

Theory and Applications of Applied Electromagnetics
APPEIC 2014

Sulaiman, H.A.; Othman, M.A.; Abd. Aziz, M.Z.A.; Abd
Malek, M.F. (Eds.)

2015, XII, 391 p. 275 illus., Hardcover

ISBN: 978-3-319-17268-2