

International Conference on Nanoscience and Nanotechnology – 2014 and **International Conference on Energy – 2014**

The International Conference on Nanoscience and Nanotechnology – 2014 & The International Conference on Energy – 2014 was held on 12th – 13th August 2014 in Colombo, Sri Lanka. The opening was marked by Mr. Isanka P. Gamage (Director- The International Institute of Knowledge Management (TIKM), Sri Lanka together with the Conference Chair **Prof. K.M. Nalin de Silva** (Professor of Chemistry, University of Colombo and Science Team Leader, Sri Lanka Institute of Nanotechnology (SLINTEC), Sri Lanka). The guest speech was done by Hon. Patali Champika Ranawaka (Minister of Technology, Research and Atomic Energy, Sri Lanka).

Keynote forum

The Keynote forum was one of the most significant parts of the conference and it was enlightened by (08) expertise in the field namely:

Prof. Gehan Amaratunga (Group Leader, Electronics, Power and Energy Conversion (EPEC) Research Group, Electrical Engineering Division, Department of Engineering, University of Cambridge, United Kingdom(UK)), Chief of Research and Innovation, Sri Lanka Institute of Nanotechnology, **Emeritus**

Professor of UCL Anthony (Tony) Owen (Principle Fellow & Head, Energy Economics, Energy Studies Institute, National University of Singapore, Singapore)"Do liberalized electricity markets discourage investment in renewable technologies?"

Prof. Dong Hwa Kim (Department of Electronic and Control Engineering, Hanbat National University and President of HuCARE, South Korea) "Smart Energy System and ICT in Korea".

Prof. K.M. Nalin de Silva (Professor of Chemistry, University of Colombo and Science Team Leader, Sri Lanka Institute of Nanotechnology (SLINTEC), Sri Lanka) "Nanotechnology and Smart Textiles"

Prof. Morinobu ENDO (Department of Electrical and Electronic Engineering, Faculty of Engineering, Shinshu University, Japan)"Responsible Production and Applications of Carbon Nanotubes"

Prof. Joshua Le-Wei Li (IEEE Fellow & EM Academy Fellow, Director, Multidisciplinary Program of Advance Engineering School of Engineering, MONASH University, Malaysia) "Nano Electronics and Electromagnetics: Progresses from Theory via Design to Applications"

Prof. R. M. Gamini Rajapakse (University of Peradeniya, Sri Lanka)"Nanotechnology Research at University of Peradeniya"
Mr. Srilal Weerasinghe (Executive Director - International Marketing at United Carbon Solutions Pvt Ltd., Sri Lanka)

Plenary Speeches

Following the keynote speeches a plenary speeches were delivered by **Prof. P. Ravirajan** (Department of Physics, University of Jaffna, Sri Lanka) "Strategies to improve the performance of Hybrid Nano

crystalline Titanium dioxide / Polymer Solar Cell using interface modifiers and **Dr. Rohini M. de Silva** (University of Colombo, Sri Lanka).

The conference included (08) technical sessions and a poster session. Technical sessions were carried under the following themes:

- Nanomaterials and Applications
- Energy Crisis and Sustainable Energy
- Nano biotechnology and Nanomedicine
- Nano in Textile, Agriculture, Water and Food Science
- Nanoscale Modeling and Simulations
- Nano electronics and Solar Cells
- Applications of Nanotechnology in water purification