

## **TIKM'S 2<sup>nd</sup> Annual International Conference on Nanoscience and Nanotechnology – 2015 & TIKM'S 2<sup>nd</sup> Annual International Conference on Energy – 2015**

TIKM'S 2<sup>nd</sup> Annual International Conference on Nanoscience and Nanotechnology – 2015 and TIKM'S 2<sup>nd</sup> Annual International Conference on Energy – 2015 was held on 02<sup>nd</sup> – 04<sup>th</sup> September 2015 in Colombo, Sri Lanka. The conference was organized by the International Institute of Knowledge Management (TIKM) with the collaboration of IEEE and Sri Lanka Convention Bureau as the Strategic Partner. The opening was marked by Mr. Isanka P. Gamage (Director- The International Institute of Knowledge Management (TIKM), Sri Lanka) and **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 given by Hon. Patali Champika Ranawaka (Former 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 (04) expertise in the field namely:

**Prof. Gehan Amaratunga** (The Group Leader of the Electronics, Power and Energy Conversion (EPEC) Research Group, Electrical Engineering Division, Department of Engineering, University of Cambridge, United Kingdom) - Nanotechnology in Agriculture: Nanoparticles as a Platform for Enhanced Plant Uptake of Nitrogen

**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 Future of Smart Textiles

**Prof. R. M. Gamini Rajapaksa** (Senior Professor in Chemistry, University of Peradeniya, Sri Lanka)- Extremely Low-cost Alternatives For The Oxygen Reduction Catalyst of Fuel Cells

**Prof. Moreno ENDO** (Department of Electrical and Electronic Engineering, Faculty of Engineering, Shinshu University, Japan) The State-of-the-Art Science and Applications of Carbon Nanotubes

### **Plenary Speeches**

Plenary speeches were delivered by;

**Prof. P. Ravirajan** (Professor and Head, Department of Physics, University of Jaffna, Sri Lanka)

Strategies for Improving Charge Transport in Nano crystalline Titanium Dioxide Based Solar Cells

**Dr. Rohini M. de Silva** (Department of Chemistry, University of Colombo, Sri Lanka)

Applications of Activated Carbon Nanocomposites in Water Purification

**Prof. C. A. N. Fernando** (Department of Electronics, Faculty of Applied Sciences, Wayamba University of Sri Lanka, Kuliyaipitiya, Sri Lanka) Explanation of the photocurrent efficiency( $\phi$ ) enhancements, through the CAN's model equation for the p-CuI sensitized methylviolet-C18 (M-C18) LB films in the photoelectrochemical cells (PECs) and Cu/n-Cu<sub>2</sub>O/MC18/p-CuI solid state photovoltaic cells

**Dr. (Eng.) T L Pradeep** ( Head of the Construction Division Lanka Technologies, : Head of the Department /Senior Lecturer– Esoft college of Engineering and Technology, Affiliated to Kingston University-London)- Low carbon Green building design and construction

**Dr. Shehan de Silva** (Senior Research Scientist, Manager - Strategic Planning, Sri Lanka Institute of Nanotechnology, Sri Lanka) - Graphene applications and 3D Printing

The conference included (14) technical sessions and a poster session. Technical sessions were carried under the following themes:

- Nanotechnology in Water Purification
- Nano biotechnology
- Energy Conversion and Storage
- Nanomaterials, Nanocomposites and Nano Coatings
- Energy Conversion And Storage
- Emerging Challenges in Energy Sector





