



TIKM'S 2nd Annual
International Conference on Nanoscience and
Nanotechnology - 2015



&
TIKM'S 2nd Annual
International Conference on Energy - 2015

02nd – 04th September, 2015
Hotel Galadari, Colombo, Sri Lanka

Conference Program		
Day 01 : Wednesday, 02nd September 2015		
Start	End	Bougainvillea Room
12.00 p.m.	02.00 p.m.	Conference Registration
02.15 p.m.	05.30 p.m.	Field Visit to SLINTEC (Sri Lanka Institute of Nanotechnology)
Day 02 : Thursday, 03rd September 2015		
08.00 a.m.	09.00 a.m.	Conference Registration
09.00 a.m.	09.20 a.m.	Inauguration Session Welcome address by 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)
09.20 a.m.	09.30 a.m.	Speech by the Program Chair Mr. Isanka P. Gamage (Director- The International Institute of Knowledge Management (TIKM), Sri Lanka)
09.30 a.m.	10.15 a.m.	Keynote forum 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) <i>Nanotechnology in Agriculture: Nanoparticles as a Platform for Enhanced Plant Uptake of Nitrogen</i>
10.15 a.m.	11.00 a.m.	Conference Photograph & Morning Refreshment
11.00 a.m. – 12.50 p.m.	11.00 a.m.	11.45 a.m.
		Keynote forum cont... Prof. K. M. Nalin de Silva (Professor of Chemistry, University of Colombo and Science Team Leader, Sri Lanka Institute of Nanotechnology (SLINTEC), Sri Lanka) <i>The Future of Smart Textiles</i>

	11.45 a.m.	12.30 p.m.	Prof. R. M. Gamini Rajapakse (Senior Professor in Chemistry, University of Peradeniya, Sri Lanka) <i>Extremely Low-cost Alternatives For The Oxygen Reduction Catalyst of Fuel Cells</i>
	12.30 p.m.	12.50 p.m.	Speech by JLANKA Technologies (Main Sponsor for the Conference) Eng. Nalin Karunasinghe (Consultant R &D Division- JLanka Technologies, Senior Lecturer, Department of Computer Science Engineering, Faculty of Engineering, University of Moratuwa, Sri Lanka) <i>Novel Online Energy Monitoring Device</i>
	12.50 p.m.	02.00 p.m.	Networking Lunch
02.00 p.m. – 02.25 p.m.	02.00 p.m.	02.25 p.m.	Keynote forum cont... Prof. Morinobu ENDO (Department of Electrical and Electronic Engineering, Faculty of Engineering, Shinshu University, Japan) <i>The State-of-the-Art Science and Applications of Carbon Nanotubes</i>
02.30 p.m. – 03.30 p.m.	02.30 p.m.	02.50 p.m.	<p style="text-align: center;">Bogainvillea Room</p> <p style="text-align: center;">TECHNICAL SESSION 01: NANOTECHNOLOGY IN WATER PURIFICATION (i)</p> <p>Chaired by Dr. Rohini M. de Silva (Department of Chemistry, University of Colombo, Sri Lanka)</p> <ul style="list-style-type: none"> • Dr. Pavel Krystynik (Institute of Chemical Process Fundamentals of the CAS, v.v.i, Czech Republic) <i>Pretreatment of Contaminated Water by Electrochemically Produced Nanostructured Floccs</i> • Dr. Magdalena Morozova (Institute of Chemical Process Fundamentals of the CAS, v.v.i, Czech Republic) <i>Modification of Functional Nanomaterial for Photocatalysis</i> • Prof. Olga Solcova (Institute of Chemical Process Fundamentals of the CAS, v.v.i, Czech Republic) <i>Nanotitania Oxide for Water Purification</i>
	02.50 p.m.	03.10 p.m.	
	03.10 p.m.	03.30 p.m.	

02.30 p.m. – 03.30 p.m.	02.30 p.m.	02.50 p.m.	<p style="text-align: center;">VIP Lounge</p> <p>TECHNICAL SESSION 02: NANOBIOTECHNOLOGY (i)</p> <p>Chaired by Prof. P. Ravirajan (Professor and Head, Department of Physics, University of Jaffna, Sri Lanka)</p> <ul style="list-style-type: none"> • Prof. Tapan Kumar Das (Department of Biochemistry and Biophysics, University of Kalyani, India) <i>Antifungal Mechanism of Biogenic Silver Nanoparticles of Aspergillus Foetidus</i> • Dr. Bikash Medhi (Department of Pharmacology, Postgraduate Institute of Medical Education and Research, India) <i>Nanomedicine in Central Nervous system (CNS) disorders: A present and future prospective</i> • Ms. Danushika Manatunga (Department of Chemistry, University of Colombo, Sri Lanka) <i>Facile Synthesis of Hydroxyapatite/ Iron Oxide Nanocomposite to be Used as a Drug Carrier</i>
	02.50 p.m.	03.10 p.m.	
	03.10 p.m.	03.30 p.m.	
02.30 p.m. – 03.30 p.m.	02.30 p.m.	02.50 p.m.	<p style="text-align: center;">Anthurium Room</p> <p>TECHNICAL SESSION 03: ENERGY CONVERSION AND STORAGE (i)</p> <p>Chaired by Prof. R.M. Gamini Rajapakse (Senior Professor in Chemistry at the University of Peradeniya, Sri Lanka)</p> <ul style="list-style-type: none"> • Mrs. Ywetta Maletterova (Institute of Chemical Process Fundamentals of the CAS, v.v.i, Czech Republic) <i>Technological and Economic aspects of Microalgae Treatment for Biofuels</i> • Mrs. Martina Matejkova (Institute of Chemical Process Fundamentals of the CAS, v.v.i, Czech Republic) <i>Enhancement of Power Transformer Operation Security for Safety of Energy Conversion</i> • Mr. M. Thanishaichelvan (Department of Physics, University of Jaffna, Sri Lanka) <i>Oligo-3-hexylthiophene derivatives for Dye Sensitized and Hybrid Titanium Dioxide / polymer Solar cells</i>
	02.50 p.m.	03.10 p.m.	
	03.10 p.m.	03.30 p.m.	

03.30 p.m. – 03.45 p.m.	03.30 p.m.	03.45 p.m.	<p style="text-align: center;">Bogainvillea room POSTER SESSION</p> <p>Chaired by Prof. K.M. Nalin de Silva (Professor of Chemistry, University of Colombo and Science Team Leader, Sri Lanka Institute of Nanotechnology (SLINTEC), Sri Lanka)</p> <ul style="list-style-type: none"> • Ing. Eva Macajová (Department of Material Science, Technical University of Liberec, Liberec, Czech Republic) <i>Comparison of Surface Morphology of Smooth Versus Porous Microfibres made from Poly (L-Lactide)</i> • Ms. Karolina H. Markiewicz (Institute of Chemistry, University of Bialystok, Poland) <i>New Polymeric Nanohybrids Synthesized Via Controlled Radical Polymerization</i> • Mr. Mikhail Leonov (ITMO University, Russia) <i>Optimal Tapering of Silicon Raman Amplifier</i> • Dr. Hirihattaya Phetmung (Inorganic and Materials Chemistry Research Unit, Thaksin University, Amphur Muang, Songkhla, Thailand) <i>Effect of Acid on Nanovanadium Oxide</i>
	03.45 p.m.	04.05 p.m.	Evening Refreshments
	04.05 p.m.	04.35 p.m.	<p style="text-align: center;">Bogainvillea room</p> <p>Plenary Speech Prof. P. Ravirajan (Professor and Head, Department of Physics, University of Jaffna, Sri Lanka) <i>Strategies for Improving Charge Transport in Nanocrystalline Titanium Dioxide Based Solar Cells</i></p>
04.40 p.m. – 06.00 p.m.	04.40 p.m.	05.00 p.m.	<p style="text-align: center;">Bougainvillea Room</p> <p style="text-align: center;">TECHNICAL SESSION 04: NANOMATERIALS, NANOCOMPOSITES AND NANO COATINGS (i)</p> <p>Chaired by Prof. K.M. Nalin de Silva (Professor of Chemistry, University of Colombo and Science Team Leader, Sri Lanka Institute of Nanotechnology (SLINTEC), Sri Lanka)</p> <ul style="list-style-type: none"> • Mr. Swarup Biswas (Department of Physics, University of Kalyani, India) <i>Effect of Polyaniline Embedment on Non-Isothermal Crystallization Kinetics of PvdF</i>

	05.00 p.m.	05.20 p.m.	<ul style="list-style-type: none"> • Assoc. Prof. Toshiyuki Kawaharamura (Kochi University of Technology, Japan) <i>Fabrication Challenge of Quantum Devices by Mist CVD with Highly-Controlled Fluid Technology under Atmospheric Pressure</i> • Dr. Thomas Prevenslik (QED Radiations, China) <i>Validity of Molecular Dynamics in Computational Nanoscience</i> • Ms. Jie Yang (School of Information Science and Engineering, Shandong University, China) <i>Analyzing the Multi-resonance Property of Graphene Nanoantenna</i>
	05.20 p.m.	05.40 p.m.	
	05.40 p.m.	06.00 p.m.	
04.40 p.m. – 05.40 p.m.	04.40 p.m.	05.00 p.m.	<p style="text-align: center;">Anthurium room</p> <p style="text-align: center;">TECHNICAL SESSION 05: ENERGY CONVERSION AND STORAGE (ii)</p> <p>Chaired by Prof. R.M. Gamini Rajapakse (Senior Professor in Chemistry at the University of Peradeniya, Sri Lanka)</p> <ul style="list-style-type: none"> • Dr. Seden Beyhan (Department of Chemistry, Faculty of Science and Letters, Istanbul Technical University, Turkey) <i>The Effect of Co Addition to Pt-Sn/C Nanocatalyst for Ethanol Electrooxidation</i> • Mr. Rukshan T. Perera (Department of Chemistry, University of Utah, USA) <i>The Effect of the Electrical Double Layer on the Activation Energy of Ion Transport in Conical Nanopores</i> • Mr. Saleh Sani (Jigwa State College of Education, Nigeria) <i>Simulation of Synthesis, Characterization, Integration and Evaluation of Doped Single-Walled Helically</i>
	05.00 p.m.	05.20 p.m.	
	05.20 p.m.	05.40 p.m.	
07.00 p.m. onwards			<p>Conference Dinner & Cultural Show Hosted by TIIKM (at Raja Bojun)</p>

Day 03 : Friday, 04th September 2015

Start		End	Bougainvillea Room
09.00 a.m. – 10.00 a.m.	09.00 a.m.	09.20 a.m.	<p>TECHNICAL SESSION 06: NANOMATERIALS, NANOCOMPOSITES AND NANO COATINGS (ii)</p> <p>Chaired by Prof. K.M. Nalin de Silva (Professor of Chemistry, University of Colombo and Science Team Leader, Sri Lanka Institute of Nanotechnology (SLINTEC), Sri Lanka)</p> <ul style="list-style-type: none"> • Mr. Ellawala K.C. Pradeep (School of Environmental Science and Engineering, Kochi University of Technology, Japan) <i>One-pot Single-step, Template Free Synthesis of Mesoporous Spherical Composite Metal Oxide Nanoparticles in Supercritical Alcohols</i> • Assoc. Prof. Roman Marsalek (Department of Chemistry, University of Ostrava, Czech Republic) <i>Interaction of Cerium Oxide Nanoparticles with Bovine Serum Albumin</i> • Mgr. Jana Karpíšková (Institute for Nanomaterials, Advanced Technologies and Innovation, Technical University of Liberec, Czech Republic) <i>Polycaprolactone Nanofibrous Scaffolds Loaded with Amide-Amine Functionalised Carbon Nanoparticles and Their Effect on 3T3 Mouse Fibroblasts</i>
	09.20 a.m.	09.40 a.m.	
	09.40 a.m.	10.00 a.m.	
09.00 a.m. – 10.00 a.m.	09.00 a.m.	09.20 a.m.	<p style="text-align: center;">VIP Lounge</p> <p>TECHNICAL SESSION 07: NANOTECHNOLOGY IN WATER PURIFICATION (ii)</p> <p>Chaired by Dr. Shehan de Silva (Senior Research Scientist, Manager - Strategic Planning, Sri Lanka Institute of Nanotechnology, Sri Lanka)</p> <ul style="list-style-type: none"> • Assist. Prof. Zia-ur-Rehman (Department of Chemistry Quaid-i-Azam University, Pakistan) <i>Hexagonal Cus Nanoparticles from a New Copper(I) Dithiocarbamate Precursor as an Efficient Photocatalyst for Detoxification of Congo Red</i>

	09.20 a.m.	09.40 a.m.	<ul style="list-style-type: none"> • Mr. Achisa C. Mecha (Department of Chemical, Materials and Metallurgical Engineering, Tshwane University of Technology, RSA) <i>Synergistic Effect of Photocatalytic Ozonation in Phenol Degradation</i> • Ms. Elzbieta Regulska (Institute of Chemistry, University of Bialystok, Poland) <i>Solar-Light-Induced Photocatalytic Activity of Phthalocyanine/Titanium Dioxide Composites</i>
	09.40 a.m.	10.00 a.m.	
09.00 a.m. – 10.00 a.m.	09.00 a.m.	09.20 a.m.	<p style="text-align: center;">Anthurium Room</p> <p style="text-align: center;">TECHNICAL SESSION 08: ENERGY CONVERSION AND STORAGE (iii)</p> <p>Chaired by Prof. C. A. N. Fernando (Head/Chair/ Department of Electronics, Senior Professor, Department of Electronics, Wayamba University of Sri Lanka, Sri Lanka)</p> <ul style="list-style-type: none"> • Mr. Thushan Pathirana (Postgraduate Institute of Science, University of Peradeniya, Sri Lanka) <i>Mgtio₃ as an Anode Material for Li-Ion Rechargeable Batteries</i> • Mr. K. Balashangar (Department of Physics, University of Jaffna, Sri Lanka) <i>Multiwall Carbon Naotubes FOR Efficiency Enhancement of Hybrid Tio₂/Polymer Solar Cells</i> • Ms. Nimali Rathnayake (National Institute of Fundamental Studies, Kandy, Sri Lanka) <i>Acid Intercalation of Sri Lankan Vein Graphite to Produce Expanded Graphite by Chemical Oxidation</i>
	09.20 a.m.	09.40 a.m.	
	09.40 a.m.	10.00 a.m.	
	10.00 a.m.	10.30 a.m.	<p style="text-align: center;">Bogainvillea room</p> <p>Plenary Speech Dr. Rohini M. de Silva (Department of Chemistry, University of Colombo, Sri Lanka) <i>Applications of Activated Carbon Nanocomposites in Water Purification</i></p>
	10.30 a.m.	10.55 a.m.	Morning Refreshment

	10.55 a.m.	11.25 a.m.	<p style="text-align: center;">Bogainvillea room</p> <p>Plenary Speech</p> <p>Prof. C. A. N. Fernando (Department of Electronics, Faculty of Applied Sciences, Wayamba University of Sri Lanka, Kuliyaipitiya, Sri Lanka)</p> <p><i>Explanation of the photocurrent efficiency(φ) enhancements, through the CAN's model equation for the p-Cul sensitized methylviolet-C18 (M-C18) LB films in the photoelectrochemical cells (PECs) and Cu/n-Cu₂O/M-C18/p-Cul solid state photovoltaic cells</i></p>
11.25 a.m. – 01.05 p.m.	11.25 a.m.	11.45 a.m.	<p style="text-align: center;">VIP Lounge</p> <p>TECHNICAL SESSION 09: NANOTECHNOLOGY IN WATER PURIFICATION (iii)</p> <p>Chaired by Prof. R.M. Gamini Rajapakse (Senior Professor in Chemistry at the University of Peradeniya, Sri Lanka)</p> <ul style="list-style-type: none"> • Dr. Thomas Prevenslik (QED Radiations, Discovery Bay, Hong Kong, China) <i>Nanotechnology in the Disinfection of Drinking Water</i> • Asst. Prof. Bishnupada Roy (Polymer & Nano Research Laboratory, Department of Chemistry, Visva-Bharati University, India) <i>Green Synthesis of Biopolymer Encapsulated Gold Nanoparticles for the Evaluation of It's Enhanced Biochemical Potency</i> • Mr. Yasun. Y. Kannangara (Sri Lanka Institute of Nanotechnology, Sri Lanka) <i>Microwave Absorbing Properties of Polyaniline/ Mwcnt/ Tht Nanocomposites</i> • Ms. Kanchana C.K. Ekanayake (Sri Lanka Institute of Nanotechnology, Sri Lanka) <i>Development of Broad Spectrum Nano Water Purification System</i> • Ms. K. S. Malsha Udayakantha (Sri Lanka Institute of Nanotechnology, Sri Lanka) <i>Nano-Enriched Granular Activated Carbon as a Water Filter Matrix with Heavy Metal Adsorption</i>
	11.45 a.m.	12.05 p.m.	
	12.05 p.m.	12.25 p.m.	
	12.25 p.m.	12.45 p.m.	
	12.45 p.m.	01.05 p.m.	

11.30 a.m. – 01.00 p.m.	11.30 a.m.	12.00 p.m.	<p style="text-align: center;">Anthurium Room</p> <p>Plenary Speech</p> <p>Dr. (Eng.) T L Pradeep (Head of the Construction Division-JLanka Technologies, : Head of the Department /Senior Lecturer– Esoft college of Engineering and Technology, Affiliated to Kingston University-London) <i>Low carbon Green building design and construction</i></p>
	12.00 p.m.	12.20 p.m.	<p>TECHNICAL SESSION 10: ENERGY CONVERSION AND STORAGE</p> <p>Chaired by Prof. C. A. N. Fernando (Head/ Chair/ Department of Electronics, Senior Professor, Department of Electronics, Wayamba University of Sri Lanka, Sri Lanka)</p> <ul style="list-style-type: none"> • Mr. W. M. N. M. B. Wanninayake (Department of Physics, University of Peradeniya, Sri Lanka) <i>Photovoltaic Performance of CaCO₃-Coated SnO₂-based Dye-Sensitized Solar Cells with Composite Liquid/Quasi-Solid-State Electrolytes</i> • Mr. H.P.T.S. Heawathilake (National Institute of Fundamental Studies, Kandy, Sri Lanka) <i>Li-Doped Sri Lankan Vein Graphite for Rechargeable Lithium Ion Battery Anode</i> • Mr. A.M.I.E Gunathilaka (Postgraduate Institute of Science, University of Peradeniya, Sri Lanka) <i>Synthesis and Electrical Characterization of Libob-Based Nano Composite Gel Electrolyte for Lithium-Ion Batteries</i>
	12.20 p.m.	12.40 p.m.	
	12.40 p.m.	01.00 p.m.	
11.25 a.m. – 01.05 p.m.	11.25 a.m.	11.45 a.m.	<p style="text-align: center;">Bougainvillea Room</p> <p>TECHNICAL SESSION 11: NANOMATERIALS, NANOCOMPOSITES AND NANO COATINGS (iii)</p> <p>Chaired by Dr. Shehan de Silva (Senior Research Scientist, Sri Lanka Institute of Nanotechnology)</p> <ul style="list-style-type: none"> • Mr. Jayasinghe Madhuraka (Postgraduate Institute of Science, University of Peradeniya, Sri Lanka) <i>Phytofabrication of Silver Nanoparticles using Riccia Sp.</i>

	11.45 a.m.	12.05 p.m.	<ul style="list-style-type: none"> • Ms. Auj-E Taqaddas (Research Wormhole, Canada) <i>Review of Human Toxicology of Engineered Nanoparticles</i> • Ms. Karolina H. Markiewicz (Institute of Chemistry, University of Bialystok, Poland) <i>Peg-B-Pvpa-Stabilized Magnetic Nanoparticles for Biomedical Applications</i> • Mr. Momin Hossain Khan (Department of Physics, University of Kalyani, India) <i>Adiabatic Polaron Hopping Conduction and Griffiths Phase in Electron Doped $Ca_{0.85}dy_{0.15}mno_3$</i> • Mr. Ebenezer Suman Babu S (Christian Medical College, Vellore, India) <i>Impact of Cerium Nanoparticle in Enhancing the Sensitivity of Fricke Gel Dosimeter for Quality Assurance in Radiotherapy</i>
	12.05 p.m.	12.25 p.m.	
	12.25 p.m.	12.45 p.m.	
	12.45 p.m.	01.05 p.m.	
	01.05 p.m.	02.00 p.m.	Networking Lunch
	02.00 p.m.	02.30 p.m.	<p style="text-align: center;">Bougainvillea Room</p> <p>Plenary Speech</p> <p>Dr. Shehan de Silva (Senior Research Scientist, Manager - Strategic Planning, Sri Lanka Institute of Nanotechnology, Sri Lanka) <i>Graphene applications and 3D Printing</i></p>
02.30 p.m. – 04.30 p.m.	02.30 p.m.	02.50 p.m.	<p style="text-align: center;">Bougainvillea room</p> <p>TECHNICAL SESSION 12: NANOMATERIALS, NANOCOMPOSITES AND NANO COATINGS (iv)</p> <p>Chaired by Prof. P. Ravirajan (Professor and Head, Department of Physics, University of Jaffna, Sri Lanka)</p> <ul style="list-style-type: none"> • Ms. Sivanayani Nagenthiran (Department of Chemistry, University of Colombo, Sri Lanka) <i>Coconut Shell as a Carbon Source for Carbon Nanomaterial Synthesis</i>

	02.50 p.m.	03.10 p.m.	<ul style="list-style-type: none"> • Ms. K. A. Dulani Daminda Kuruppu (Sri Lanka Institute of Nanotechnology, Nanotechnology & Science Park, Sri Lanka) <i>Small But Strong and Green: Multi Wall Carbon Nanotube based Hybrid Nanocomposite for Aircraft Applications</i> • Ms. W. R. L. N. Bandara (Department of Chemistry, University of Colombo , Sri Lanka) <i>Use of Nanotechnology in Degradation of Plastic Waste Products</i> • Ms. Parvathy Subramanian (Department of Chemistry, Government Arts College (Autonomous), India) <i>Green Synthesis, Characterization and Antimicrobial Activities of Silver Nanoparticles Using Pterocarpus Marsupium Leaf Extracts</i> • Ms. Nadeeka D. Tissera (Sri Lanka Institute of Nanotechnology, Nanotechnology & Science park, Sri Lanka) <i>Polyaniline Nano Whiskers Grafted Conductive Cotton Textiles</i> • Ms. Induni W. Siriwardane (Sri Lanka Institute of Nanotechnology, Nanotechnology & Science park, Sri Lanka) <i>Magnesium Oxide- Activated Carbon Nanocomposites for Gas Purification Applications: A Study of Structural Charatceristics and the Scalable Adsorption Capacity</i>
	03.10 p.m.	03.30 p.m.	
	03.30 p.m.	03.50 p.m.	
	03.50 p.m.	04.10 p.m.	
	04.10 p.m.	04.30 p.m.	
02.30 p.m. – 04.30 p.m.	02.30 p.m.	02.50 p.m.	<p style="text-align: center;">VIP Lounge</p> <p style="text-align: center;">TECHNICAL SESSION 13: NANOBIOTECHNOLOGY (ii)</p> <p>Chaired by Prof. R.M. Gamini Rajapakse (Senior Professor in Chemistry at the University of Peradeniya, Sri Lanka)</p> <ul style="list-style-type: none"> • Prof. Zbigniew Kolacinski (Lodz University of Technology, Poland) <i>Iron Doped Cnts for Hyperthermia</i> • Dr. Lukasz Szymanski (Lodz University of Technology, Poland) <i>Thermal Methods of Iron Doped Cnts Synthesis for Medical Application</i>
	02.50 p.m.	03.10 p.m.	

	03.10 p.m.	03.30 p.m.	<ul style="list-style-type: none"> • Mr. Ruchira N. Wijesena (Sri Lanka Institute of Nanotechnology, Nanotechnology & Science park, Sri Lanka) <i>Preparation of Silver Nanoparticles Decorated Chitin Nanofibers</i> • Mr. Praneeth Mendis (Department of Chemistry, University of Colombo, Sri Lanka) <i>Development of Medical Textile Using Nanotechnology</i> • Dr. Maria Patitsa (Biomedical Research Foundation of the Academy of Athens, Greek) <i>The Application of Multifunctional Nanoparticles in Targeted Drug Delivery for Breast Cancer Therapy</i> • Ms. Sreeparna Samanta (The Energy and Resources Institute, India) <i>Biomechanistic approach for controlled Au and Ag nanoparticles biosynthesis</i> 	
	03.30 p.m.	03.50 p.m.		
	03.50 p.m.	04.10 p.m.		
	04.10 p.m.	04.30 p.m.		
02.30 p.m. – 04.10 p.m.			<p style="text-align: center;">Anthurium Room</p> <p style="text-align: center;">TECHNICAL SESSION 14: EMERGING CHALLENGES IN ENERGY SECTOR</p> <p>Chaired by Prof. K.M. Nalin de Silva (Professor of Chemistry, University of Colombo and Science Team Leader, Sri Lanka Institute of Nanotechnology (SLINTEC), Sri Lanka)</p> <ul style="list-style-type: none"> • Mr. Yusuf Abdulwahab Hassan (Federal University Kashere Gombe, Nigeria) <i>Energy Use, Economic Output And Trade: Evidence From Sub Saharan Africa</i> • Mr. A. S. Withanaarachchi (Department of Industrial Management, University of Kelaniya, Sri Lanka) <i>Improving Technical, Environmental and Social Aspects of Electricity Generation Using Biomass: The Constrains and Opportunities</i> • Mr. Rajeev Ruparathna (School of Engineering, University of British Columbia, Canada) <i>Improving the Eco-Efficiency of Public Recreational Center Buildings in Canada</i> 	
			02.30 p.m.	02.50 p.m.
			02.50 p.m.	03.10 p.m.
	03.10 p.m.	03.30 p.m.		

	03.30 p.m.	03.50 p.m.	<ul style="list-style-type: none"> Ms. N. S. Nanayakkara (Department of Industrial Management, University of Kelaniya, Sri Lanka) <i>The Challenges of Extracting Sustainable Data from Information Systems</i> Mr. Emmanuel Kofi Ackom (Global Network on Energy for Sustainable Development, Technical University of Denmark (DTU), Denmark) <i>Inaccessibility to Modern Electricity Services by the Urban Poor in Developing Countries</i>
	03.50 p.m.	04.10 p.m.	
	04.30 p.m.	05.00 p.m.	Evening Refreshments
	05.00 p.m.	05.20 p.m.	Conference Concluding Session
	05.20 p.m.	06.00 p.m.	Awarding Ceremony
	06.00 p.m.	06.10 p.m.	Vote of thanks by the Conference Publicity Chair: Mr. Oshadee Withanawasam (Director- The International Institute of Knowledge Management (TIKM), Sri Lanka)
Day 04 : Saturday, 05th September 2015 - Post Conference Tour (Optional)			

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