

## POST CONFERENCE REPORT OF “ICIIS-2010”

The global economic status and industrial growth is solely linked with the energy availability in the present, modern world. The advanced communication systems and the associated information system also play an important role in energy security. With the mission to bring together innovative academia and industrial experts in the field of Electrical, Electronics, Computer Science & Information Technology to a common forum, where a constructive dialog on theoretical concepts, practical ideas and results of the state of the art technology will be developed, the 5<sup>th</sup> International Conference on Industrial Information System (ICIIS-2010) got hosted in National Institute of Technology Karnataka (NITK), India, during 29<sup>th</sup> July to 1<sup>st</sup> August 2010. With this dream in our mind, “Energy Security through Information Systems and Advanced Communication” (ESISAC) was opted as the theme of ICIIS-2010. Along with this conference, a set of four tutorials and eight plenary talks were organized, where world renowned researchers have been invited as speakers. This is the fifth event in the series beginning with ICIIS 2006 hosted at University of Peradeniya hosted by IEEE Sri Lanka Section. Then onwards, ICIIS has been attracting good international participation. The 2<sup>nd</sup> and 4<sup>th</sup> in the series were held in Srilanka (2007 and 2009) and 3<sup>rd</sup> in this series was held in IIT Kharagpur in 2008. At NITK, ICIIS-2010 formed one of the important golden jubilee year events. The ICIIS-2010 had two general co-chairs one from Srilanka and other from IIT Kharagpur, apart from the organizing team of NITK.

ICIIS-2010 had four tutorials speakers in the four tracks of the theme of the conference. In addition, there were eight plenary talks by leading experts during the conference.

The ICIIS-2010 Call for Papers (CFP) received an overwhelming response from the researchers of India and overseas, attracting 324 submissions from authors spanning from 13 countries. Around 80 % of the submissions were from India and 10 % from Srilanka. These papers were divided into four tracks, namely **Communication and Information Engineering (CIE)**, **Electronics, Instrumentation and Computer Systems (EICS)**, **Robotics and Motion Control (RMC)** and **Power Systems, Energy and High Voltage Engineering (PSEHV)**. The preliminary review process by Technical Program Committee (TPC) identified few papers which lacked original content. The remaining 308 papers were put through a rigorous peer review process to ensure quality of the research papers. A decision on manuscripts was taken and 172 papers were accepted for oral presentations. Reviewing was a time consuming process and involved large number of reviewers; and our sincere thanks to all the reviewers who did a magnificent job in reviewing large number of papers within in a very short time. Finally about 149 papers were received in camera ready format. About 125 delegates registered at the conference and 119 papers were presented, which got uploaded in IEEE Xplore.

This event received the technical co-sponsorship from IEEE Bangalore, Sri Lanka and IEEE Kharagpur sections. The ICIIS-2010 also derived the technical contribution and financial assistance from ABV-IIITM Gwalior, CPRI Bangalore and IEEE MTT-India chapter.

# Some glimpses from ICIIS 2010

Date: 29<sup>th</sup> July 2010 (Thursday)

**Tutorial 1: Distributed digital source compression: Theory, algorithm and applications 9.30 am to 12 Noon)**  
**Speaker: Dr. S Sandeep Pradhan, Faculty Dept. of EECS, University of Michigan Ann Arbor, USA.**



**Tutorial 2: Virtual High Voltage Laboratory (9.30 am to 12 Noon)**  
**Speaker: Professor N K Kishore, Dept. of Electrical Engg., IIT Kharagpur, India**



**Tutorial 3: Intellectual Property Rights (IPR) (2pm to 4.30 pm)**  
**Speaker: Dr Shashidhara L, faculty PESIT, Banaglore, India**



**Tutorial 4: Energy-aware Software Systems (2 pm to 4.30 pm)**  
**Speaker: Dr Y N Srikant, Dept. of Computer Science and Automation, IISc, Bangalore, India.**



**Date: 30<sup>th</sup> July 2010 (Friday) : Inaugural function**

**Key Note Address: India's Energy Challenges**

**Speaker: Mr. Surya P Sethi, Former Principal Advisor Power and Energy Government of India.**



**Inaugural function: Release of Souvenir**

**Dr Sumam David (Local organizing chair), Mr. Kalasad (Chief guest), Dr. Sandeep Sanchet (Director NITK), Mr. Surya P Sethi (Guest of honor and key note speaker), Dr. Govindraj (Registrar NITK), Dr. Udaykumar R Y (General Chair, ICIS-2010).**



Date: 30<sup>th</sup>, 31<sup>st</sup> and 1<sup>st</sup> July 2010 :

## Plenary talk resource persons from universities abroad.

The Plenary talk ( Topic: Measures for accommodating large penetration of PV generation in Japanese Smart Grid) resource person Dr. Haruhito Taniguchi from Japan (is seen clapping).  
Inaugural function: General Co-chair ICIS 2010, Dr Kshithisiri Liyanage from Srilanka being facilitated .



Plenary talk: The insulation integrity of power systems in the smart electricity grid of the future.

Speaker: Dr. Shesha H Jayaram, Professor, Electrical & Computer Engineering department, University of Waterloo Canada, and Adjunct Professor at the university of Western Ontario, London.



**Plenary talk : High Voltage outdoor Insulators: Another Resource Speaker: Dr. Raji Sundararajan, Associate Professor, Purdue University, USA (along with Prof N K Kishore, general co-chair ICIIS 2010 from India, and Prof. Sandeep Sancheti, Director NITK).**

