

## ICSIP 2010: International Conference on Signal and Image Processing and International Student Tutorial Meet at R.M.D. Engineering College



R.M.D Engineering College organized the International Conference on Signal & Image Processing during and International Student Tutorial Meet during 15 – 17, Dec 2010.

These events were cosponsored by IEEE Computer Society, IEEE Communications Society, IEEE Madras Section, Computer Society of India Div IV on Communication, CSIR, DRDO, ISTE, TCS, Tamil Nadu State Council for Science & Technology, Chennai Science City, University of Mysore and University of Leicester UK.

### **International Student Tutorial Meet**

On 15<sup>th</sup> the tutorial meet was inaugurated by Dr. K.C. Gowda Former Vice Chancellor of Kuvempu University.

First tutorial which gave an insight on “Image Processing and its Applications”, was presented by Dr. S. Rakshit, Head Computer Vision, CAIR, Bangalore. This tutorial coverage included: an overview on multi resolution, Filtering techniques, Burt pyramids wavelet, Aliasing effects on edges with various real time examples, Image magnification, Noise reduction in images, PC based noise reduction, Multi resolution coring, Image restoring, Image registration, Image mosaic, Segmentation (Image/Video), Image and video fusion and its applications.

The second tutorial was on “Semantic Web and Linked Data”. It was presented by Dr. Monika Solanki, Professor, University of Leicester, U.K. The tutorial highlighted on: Motivation towards the Semantic Web application moving from Syntactic Web (Current web), Overview on Semantic Web and its technologies, Data linking and various applications, Ontology concepts, Structure of ontology and its needs, Ontology language for Semantic Web, Ontology engineering on Semantic Web, Resource Description Framework (RDF), OWL.

These tutorials were attended by over 100 students of which two were from Australia and two were from UK.

## **Conference on Signal & Image Processing**

On 15<sup>th</sup> Dec 2010 evening, after the tutorial meet, the conference was inaugurated by Dr. P. Mannar Jawahar, Vice Chancellor, Anna University Chennai. Mr.T.S. Rangarajan, Principal Consultant of TCS delivered the special address. Thiru R. S. Munirathinam, Founder-Chairman, RMK Group of institutions presided over the inaugural function. Felicitations were offered by: Dr. K.C. Gowda, Former Vice-Chancellor of Kuvampu University, Dr. Monika Solanki, Professor, University of Leicester, UK, Shri H.R. Mohan, Chariman CSI Div IV & IEEE CS Madras, Dr. M. S. Palanichamy, Vice Chairman, Tamilnadu State Council for Technical Education, Chennai, Shri T. Pichandi IAS (Rtd.), Shri. R. M. Kishore, Vice Chairman, RMK Group of Institutions, Shri Yalamanchi Pradeep, Secretary, RMK Group of Institutions and Dr. Daniel Chandran, Professor, University of Technology, Sydney, Australia. At the beginning, Dr. K. Sivaram, Principal, R.M.D. Engineering College welcomed the delegates and Dr. R. M. Suresh, Vice-Principal, R.M.D. Engineering College provided the highlights of the conference. Dr. K. Dharmalingam, Dean, R.M.D. Engineering College Proposed the vote of thanks

Out of the 350 research papers received from 16 countries including India 105 were selected for presentation which included 15 papers from abroad. During the conference, 75 papers were presented on different areas like image processing, computer vision, signal processing and data mining. The papers were presented by two delegates from abroad and 73 from premier institutions like IIT Delhi, IIT Mumbai, IIT Hyderabad, IISc Bangalore, ISI Kolkata, IGCAR, TIFR, Tata Innovation Laboratory, NIT Warangal, NIT Dhurgapur, NIT Suratkul and NIT Trichy presented their research papers in the conference.

On 16<sup>th</sup> and 17<sup>th</sup> Dec, three keynote addresses were delivered. The first one was delivered by Dr. K. Chidnanda Gowda, Former Vice Chancellor, Kuvempu University, Advisor, Wipro, Bangalore. It was on the theme of the conference "Signal and Image Processing". The second keynote address was by Dr. Dipti Prasad Mukherjee, Professor, ISI Calcutta on "Organ shape visualization using statistical shape model". The third keynote address was by Dr. P. Nagabhushan, Professor, University of Mysore delivered on "Research problems around us: Image processing based futuristic problems".

On the second and third day, the research papers were presented in four parallel tracks namely Image processing, Document processing & computer vision, Bio metrics & Bio medical signal processing and Data mining. The international journal "Image and Computer Vision" by ELSEVIER and MAJLEST, IRAN Journal of Electrical Engineering have proposed to bring out special issues based on the papers presented in this conference.

The conference was attended by over 200 participants which included researchers, academic faculty, students and industry professionals. The conf. proceedings both in print and on CD were released at the inaugural session.