



**INTERNATIONAL CONFERENCE  
ON  
ELECTRONIC SYSTEMS, SIGNAL PROCESSING AND COMPUTING TECHNOLOGIES  
(ICESC-2014)  
9 – 11 January 2014**

International Conference on Electronic Systems, Signal Processing and Computing Technologies (ICESC-2014), was organized in association with University of Massachusetts Lowell, USA, University of the District of Columbia, Washington DC, USA and American Society for Engineering Education (ASEE). The Conference was technically sponsored by IEEE Bombay Section.

This conference has provided an opportunity to the participants to interact with the well known researchers, industry experts and renowned scientist from the Universities of National/International repute and industries. The interaction provided directives in their research work and also new idea/problem statement in various research fields related to Electronics Engineering.

The conference contents are published by IEEE Xplore and selected papers presented in the Conference are invited for Publication in Special Issue of International Journal of Embedded Systems (IJES), Inderscience Publishers, UK.

Inaugural function was held on 9<sup>th</sup> January 2014 by paying tribute to Lord Ganesh and by lighting the traditional lamp.



Dr. Vasudeo K. Aatre, Former Scientific Adviser to Defense Minister, was Chief Guest of inaugural function. Dr. (Ms.) Barbara Masi, Director, Education Innovation & Assessment Initiatives, Arts, Sciences and Engineering from University of Rochester, USA, was Guest of Honor. Shri Banwarilal Purohit, Chairman, was president of the function, Shri Chandrakant bhai Thakkar, Vice-Chairman, Shri Satyanarayan Nuwal, Vice-Chairman, Shri Govindlal Agarwal, General Secretary, Dr. V. S. Deshpande, Principal, Dr. Rajesh S. Pande,

General Chair, Dr. M. B. Chandak, General Chair, Dr. (Mrs.) A. A. Khurshid, Conference Chair were present on the Dias.

Invited guests were Dr. Kanti Prasad, UMASS Lowell, USA, Dr. Devdas Shetty, UDC, Washington DC, USA, Dr. Paul Cotae, UDC, Washington, DC, USA, Prof. John Rowe, London, Rajdeep Choudhury, London, Dr. Shungwei Lui, University of Cumbria, UK, Mrs. Padmini Parameshwaran, Northumbria University.



All the dignitaries on the Dias released the proceedings of the conference. Shri Govindlal Agarwal, General Secretary, exchanged MoU with Dr. Shungwei Lui, University of Cumbria, UK, Mrs. Padmini Parameshwaran, Northumbria University, UK.

Inaugural function was followed by keynote address by Dr. Vasudeo K. Aatre and for all three days of the conference eminent personalities delivered plenary talks on latest and upcoming topics. Plenary talks were delivered by Dr. Devdas Shetty, UDC, Washington DC, USA, Dr. Kanti Prasad, UMASS, Lowell, USA, Prof. OPN Calla, International Centre for Radio Science, Rajasthan, India, Dr. Anil Tiwari, IIT, Jodhpur, India, Dr. Paul Cotae, UDC, Washington DC, USA. Around 150 participants from various parts of India and abroad presented their papers and attended the conference and participated in various events of the conference.

The panel discussion was held on the second day of the conference. Dr. Kanti Prasad, UMASS Lowell, USA was the lead and members who participated in panel discussions were Dr. Devdas Shetty, UDC, Washington DC, USA, Dr. Paul Cotae, UDC, Washington, DC, USA, Prof. John Rowe, London, Rajdeep Choudhury, London, Dr. Shungwei Lui, University of Cumbria, UK, Dr. N. K. Choudhary, Director VNIT, Nagpur and Prof. Q. H. Jeevaji, Director DMT, RCOEM, Nagpur. Dr. (Ms.) Barbara Masi, from University of Rochester, USA was present online.



Technology Exhibition was held during the conference where the various industries like Agilent Technologies, Tektronix, & Cyronics Instruments Pvt. Ltd. exhibited their advance/latest product like electronics equipments and measuring devices in the field of Electronics Engineering. Participants/Audience visited the exhibition and got awareness regarding latest trends in the industry.

Banquet dinner was organized on the second day of the conference followed by cultural eve where the students of RCOEM performed.

### **PRE-CONFERENCE EVENTS (1 - 8 January 2014)**

Preconference workshops/short courses were held from 1-8 January 2014. Short course on Mechatronics by Dr. Devdas Shetty, USA and eminent Professors from IIT's and VNIT was conducted for 8 days. The short course covered basics of Mechatronics, orientation on Mechatronics product design covering various aspects of control system design, modeling and simulation concepts utilizing LabVIEW and VisSim software tools. Workshop on Smart Grid and Micro Grid was conducted by Dr. Shungwei Lui for 2 days.

Under the MoU signed with UDC, Washington DC, USA and University of Cumbria, UK, Mechatronics and Smart Grid and Micro Grid short courses were the first courses to have Joint Certification of our college and foreign universities i.e. UDC, Washington DC, USA and University of Cumbria, UK respectively.



Natural Language Processing, by Dr. Pushpak Bhattacharya, IIT Powai, Mumbai and Interactive Talks on Open interactive session with RCOEM Management Students was also conducted by Rajdeep Choudhury, MBA, CMgr MCMC - Head of Client Services, London School of Training, London and John Rowe, MRICS, Cert TEFL - Head of Training, London School of Training, London.

Following delegates shared their ideas and knowledge base in various sessions held during the conference

Name of Delegates	Designation	Title of Talk	Session
Dr. Vasudev K. Aatre	Scientist and former Head, DRDO	Electronics in the Battle Field	Key Note Speech
Prof. OPN Calla	Director, International Centre for Radio Science	Applications of Microwaves	Tutorial Talk
Dr. Devdas Shetty	Professor, University of the District of Columbia, Washington DC, USA	Emerging Trends in Smart Manufacturing and Intelligent Sensing	Plenary Talk
Dr. Kanti Prasad	Director, Microelectronics /VLSI Technology Laboratories, University of Massachusetts Lowell, USA	Global Societal Impact of Engineering Education and Industrial Revolution	Plenary Talk
Dr. Debabrata Nayak	Chief Security Officer, Huawei Telecommunication India Private Ltd.	Cloud Computing and its Security A Millennium Approach	Plenary Talk
Dr. Anil K. Tiwari	Professor, Indian Institute of Technology Jodhpur.	Lossless Image and Video Compression Methods and Challenges.	Plenary Talk
Dr. Paul Cotae	Professor at University of the District of Columbia, USA	Non Data Aided Time Phase Recovery Methods for Underwater Communications	Plenary Talk
Dr. Pushpak Bhattacharya	Professor, Indian Institute of Technology Bombay	Natural Language Processing	Pre Conference Tutorial
Dr. Devdas Shetty	Professor, University of the District of Columbia, Washington DC, USA	Mechatronics Workshop	Pre Conference Workshop
Dr. P. R. Apte	Professor, Indian Institute of Technology Bombay		
Dr. P. S. Gandhi	Professor, Indian Institute of Technology Bombay		
Dr. R. M. Patrikar	Professor, Visvesvaraya National Institute of Technology, Nagpur		
Dr J. P. Modak	Dean R&D, Priyadarshini College of Engg, Nagpur		
Prof. Xiongwei Liu	Professor, University of Cumbria, UK	Smart Grid and Micro Grid	Pre Conference Workshop
Rajdeep Choudhury	CMgr MCMI - Head of Client Services, London School of Training, London	Open interactive session with RCOEM Management Students	Interactive Talks
John Rowe	MRICS, Cert TEFL - Head of Training, London School of Training, London.	Open interactive session with RCOEM Management Students	Interactive Talks



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