



B. P. Poddar Institute of Management and Technology

137, VIP Road Kolkata 700052

Report on National Conference CSPES 2018, 16-18th November 2018

National Conference on Control, Signal Processing & Energy Systems (CSPES 2018) organized by Department of Electrical Engineering, B P Poddar Institute of Management and Technology is a modest effort to assemble academicians, researchers, engineers and technocrats under a tutelage to facilitate exchange of ideas, thoughts, research outcomes which would inspire students for higher studies and research and also to find the gaps between existing curriculum and industry requirements.

The 3- day National conference held at the main campus of B P Poddar Institute of Management and Technology, Kolkata, on 16th to 18th November, 2018. Department of Electrical Engineering is delighted to host this conference.



Research papers in three broad domains of Electrical Engineering, namely Control Systems, Signal Processing and Energy systems have been invited through EasyChair from India and abroad. All the papers have undergone blind peer review before acceptance, based on quality, originality, technical content and relevance. All accepted papers presented at the Conference will be included in Proceedings to be published by **Lecture Notes on Electrical Engineering** series by Springer India.

This Conference technically supported by **CSS IMS Joint Chapter IEEE Kolkata Network** and **WEBREDA, Department of Power and N. E. S West Bengal** is organised in collaboration with **IET (The Institution of Engineering and Technology) Kolkata Network, Globsyn, and Bank of Baroda.**

The one day pre-conference tutorial held on 16th November 2018 started with invited talk by Mr. Debasis Nandy (retd. CESC Ltd.) on topic **Solar and wind Power in India. WEBREDA Department**

of Power and N. E. S West Bengal conducted a tutorial session after that. We are honoured to have Mr. Joy Chakraborty Division Engineer, S.P.Sil Consultant and Adil Khan Entrepreneur in this session. The participants were delighted to actively participate in these talks followed by a Grid connected Solar Power Plant visit in Nabajatak Vidyamandir for Girls at South Sinthi, Kolkata.

The conference witnessed an inaugural session with Lamp lighting on 17th November by Chief Guest Mr Samarendra Nath Roy, Former Director BHEL Bhopal, Guest of Honour Prof. Sivaji Chakravorti Director NIT Calicut. An enriching keynote address on **Estimation of instantaneous frequency of a signal** was delivered by Prof. Sivaji Chakravorti Director NIT Calicut. In the afternoon session on Signal Processing Prof. Kuntal Ghosh from Indian Statistical Institute delivered an interesting lecture on **Addressing Grain Matrix Differentiation of sedimentary rock thin section images on the light of brightness perception modelling**. On 18th November Dr. Shrabani Ghosh from DRDO laboratory Balasore shared her hands on experience on **Multisensor fusion on estimation and tracking of missile**. It was a wonderful experience of hear such informative lecture. The afternoon session was graced by Mr. Pranab Kumar Gupta Consultant International Copper Association, India. His talk was based on Energy Efficient Motors and Transformers. Audience came across lot of new industry requirements, BIS standards through these talks.

Several researchers from the three intended research areas were successful in getting their contributory papers accepted for oral presentation. One thing can be specially mentioned that two papers from international authors were also accepted. Two national authors who were unable to be present physically were allowed to present their papers in Skype.

The General Chair of the conference Prof. T.K Basu, BPPIMT, Kolkata, Prof. Swapan Kumar Goswami and Prof. Kumardeb Banerjee of Jadavpur University, Prof. Aparajita Sengupta & Prof Gautam Bandopadhyaya of IEST Shibpur were the five session chairs of three Tracks.

The delegates were blessed to get the opportunity to interact further with Patrons Prof. B.N. Chatterji, Prof. Dr. Sutapa Mukherjee Principal BPPIMT, General Chair Prof T.K.Basu and Technical Program Chair Prof. Sudipta Chakraborty, Dr. Rajarshi Gupta from University College of Applied Sciences, Representative CSS IMS Joint Chapter of IEEE Kolkata Section at the conference banquet dinner held at O₂ Hotel, VIP Road, Kolkata on 17th January 2018.

The Organizing Committee wishes to acknowledge the constant encouragement and support of Shri Arun Poddar, Chairman, B. P. Poddar Group, Shri Ayush Poddar, Vice Chairman, BPPIMT, Dr. Subir Choudhury, Founder Trustee & Chief Mentor, BPPIMT.

The Program Committee and the Organizing Committee wishes to thank all delegates for making the conference a grand success.

Further details of the conference is available at - <http://www.cspes2018.org>

