

Annual Report 2018
IEEE Joint CSS-IMS Kolkata Chapter
Kolkata Section, CS23/IM09 (CH10673)

Event #1: One day seminar on “Renewable Energy Sources”

A One day seminar in Department of Applied Physics, University of Calcutta was organized on 17th February, 2018 at the Departmental Seminar Room with a technical cosponsored by IEEE Joint CSS-IMS Kolkata Chapter Kolkata Section and IET-UK Kolkata Local Network.

Speakers: Prof. Sujit Biswas, Jadavpur University
Prof. Partha Sarathi Sensharma, IIT Kanpur
Er. Alekhya Datta, The Energy Research Institute (TERI)
Er. Abhishek Ghosh, Exide India Ltd

A total 90 number of participants are present in this event.



Event #2: Two day Seminar on “Computational Intelligence in Signal Power and Control” (CISPC-2018)

A Two day Seminar on “Computational Intelligence in Signal Power and Control (CISPC-2018)” on 22nd-23rd March, 2018 was organized by the Department of Electrical Engineering, Future Institute of Engineering and Management, Sonarpur, Kolkata (W.B.) with a technical cosponsored by IEEE Joint CSS-IMS Kolkata Chapter Kolkata Section.

Speakers: Prof. Amitava Chatterjee, Jadavpur University
Dr. Kaushik Das Sharma, University of Calcutta
Dr. Swagatam Das, ISI Kolkata
Dr. Pratyusha Rakshit, Jadavpur University

A total 150 number of participants are present in this event.



Event #3: First International Conference on “Contemporary Advances in Innovative and Applicable Information Technology” (ICCAIAIT 2018)

The First International Conference on “Contemporary Advances in Innovative and Applicable Information Technology” (ICCAIAIT 2018) during March 24-25, 2018 was organized by Kingston Educational Institute at its college campus at Berunanpukuria, Barasat, Kolkata-700126.

The conference was organized in collaboration with the Computer Society of India (CSI), Division IV (Communication) as its Technical Sponsor. It has also been Technical Co-Sponsored by the Institution of Engineering and Technology (IET) and the Institute of Electrical and Electronics Engineers (IEEE), Kolkata Section, IEEE Joint CSS-IMS Kolkata Chapter Kolkata Section. The proceedings of the conference have been will be published in the AISC series of Springer AG, the Publication Partner of the event.

The conference was focused mainly but not limited on the following areas:

- Computational Intelligence
- Data Analytics
- Nature Inspired Computing
- Circuit System and Devices
- Wireless, Mobile and Cloud Computing
- Social Networking

A total 120 number of participants are present in this event.

On the opening day, 24th March, 2018, the programme started with a pre-conference tutorial session in which the welcome address was delivered by Prof. Dr. J P Bandyopadhyay, Emeritus Professor, University of Calcutta and Academic Chairman of KEI. The first speaker of the tutorial session was Dr. Amlan Chatterjee, Department of Computer Science, California State University, Dominguez Hills, Carson who was introduced by Mr Partha Ghosh. Dr Chatterjee presented on line through Skype. The next tutorial

lecture was delivered by Prof. Atal Chowdhury, Vice Chancellor, VSS University, Odisha, India. The tutorial session was chaired by Prof Asish K Mukhopadhyay, Academic Adviser, KEI.

Inauguration Programme was held during the post-lunch session after a short cultural program. Smt. Uma Bhattacharjee, Secretary, Kingston Educational Institute welcomed the galaxy of dignitaries including the Chief Guest Prof Saugata Roy, honourable Member of Parliament, Prof. Basab Chaudhuri honourable Vice-Chancellor, WBSU, Barasat, and Prof. Saikat Maitra honourable Vice-Chancellor MAKAUT,W.B. and other dignitaries.

Session for the Keynote Addresses followed the Inauguration Programme. Eminent speakers like Prof. Lalit Mohan Patnaik, Emeritus Professor, Indian Institute of Science, Bangalore, Dr. Manishankar Chakraborty, Higher Colleges of Technology, United Arab Emirates, Prof. Dr. Basabi Chakraborty, Faculty of Software and Information Science, Iwate Prefectural University, Japan and Mr. Pradeep Ramchandra Joshi, Kwality Business Initiatives Six Sigma Consultant, Pune. Dr. Sanjay Sengupta, Principal Scientist and Editor of Journal of Scientific & Industrial Research (JSIR), National Institute for Science Communication & Information Resources, CSIR (Ministry of Science & Technology, Govt. Of India), New Delhi, India took part in the session. The key note session was chaired by Prof. Dr. J P Bandyopadhyay, Academic Chairman, KEI. The first day session was concluded with a vote of thanks by Mr. Diptarup Bandyopadhyay, Principal, Kingston Polytechnic College.

On the Second day, 25th March, 2018, the programme started with some Invited Lectures. The speakers were Dr. Anirban Basu, Former President of Computer Society of India (CSI), Dr. Amit Banerjee, Dept. of Electrical & Computer Engineering, National University of Singapore and Dr. Takaiki Goto, Ryutsu Keizai University, Ryugasaki, Japan(Over Skype). There was a tutorial by Prof. Dr. Amlan Chakrabarti, Dean, Faculty of Engineering and Technology, Professor & Director, A K Choudhury School of Information Technology, University of Calcutta, India. The session was chaired by Prof. Dr. Joyanto Kumar Roy, Managing Director, Systems Advance Technologies Pvt Ltd and Past Chairman, IET Kolkata Section



Event #4: A Technical Lecture Session

A technical lecture session was jointly organized by IEEE Joint CSS-IMS Chapter, Kolkata Section, and Electrical Engineering Department, IEST, Shibpur at 3 pm on 29th August, 2018.

After a brief introduction delivered by the chapter chair, Dr. Anindita Sengupta, explaining the purpose of organizing such lecture session, Prof. Prasad Syam, HOD (Acting), EE Department, IEST, Shibpur, extended a very cordial welcome to the Speaker, Mr. Debabrata Sarkar, participants from different departments of IEST, Shibpur, organizers on behalf of CSS-IMS Chapters and other delegates present over there.

Then the Secretary, Dr. Kaushik das Sharma presented the chapter organization and several activities to the audience for further exposure to the budding engineers.

Finally, after a short introduction of the speaker by Dr. Rajarshi Gupta, the technical session was formally started. Mr. Sarkar, Chief Engineer, Instrumentation and Control, Katar Kenz, W.L.L delivered the interaction between the instrumentation subsection and Electrical Subsection, intricacies associated with direct connection as well as connection with interposing relays. He explained the necessity of different blocks of PI diagram, their magnanimity and usefulness.

A total 56 number of participants are present in this event.



Event #5: National Conference on “Control, Signal Processing & Energy Systems” (CSPES 2018)

A National Conference on “Control, Signal Processing & Energy Systems” (CSPES 2018) organized by the Department of Electrical Engineering, B. P. Poddar Institute of Management and Technology on 16th to 18th November, 2018 was 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.

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.

A total 135 number of participants are present in this event.

The one day pre-conference tutorial held on 16th November 2018 started with invited talk by Mr. Debasis Nandy (retd. CESC Ltd.) on the topic Solar and wind Power in India. WBREDA 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 an 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 this 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 was 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 Bandopadhya of IEST Shibpur were the five session chairs of three Tracks.

