The Electrical Engineering Department of Academy of Technology (AOT) has organized its 1\textsuperscript{ST} International Conference on Automation, Control, Energy & Systems during 1\textsuperscript{ST} and 2\textsuperscript{ND} February 2014. The conference was technically co-sponsored by IEEE and supported by The Institution of Engineers (India).

The inaugural program was started at 10.15 am on 1\textsuperscript{ST} February, 2014 in the college auditorium. Prof. Ajay Kumar Ray, Chief Guest, Vice Chancellor, Bengal Engineering & Science University (BESU), Shibpur was the Chief Guest. Prof. Ray delivered the key note address. Other notable distinguished guests, who were present in the inaugural program are Prof. Ajit K Chattopadhyay, Honorary Emeritus Professor, Electrical Engineering, BESU; Prof. Debatosh Guha, Institute of Radio Physics & Electronics, University of Calcutta, Chair - IEEE, Kolkata Section; Prof. Sivaji Chakravorti, Electrical Engineering Deptt., Jadavpur University. Prof. Dilip Bhattacharya, Conference Chair and Director, AOT; Prof. Jagannath Banerjee, Chairman Trustee, AOT; Prof. Anindita Banerjee, Executive Trustee, AOT; Prof. Paritosh Basu, Principal, AOT and Prof. Tapan Kumar Basu, Conference Co-Chair and Professor, Electrical Engineering Department, AOT were the other dignitaries, who were present in the inaugural program. The inaugural program continued for 1 ½ hours.

After the inaugural program, Prof. Ajit K Chattopadhyay, Honorary Emeritus Professor, Electrical Engineering, BESU, Shibpur delivered the invited talk on “Advances and Recent Trends in Power Electronics Technology”. In the lecture, the importance of power electronics were discussed initially after a brief historical introduction followed by the recent advances of power semiconductor devices (like high power IGBT, IGCT and IEGT in particular), power converters, variable frequency ac drives and their advanced control methods (like vector and direct torque control). The emerging applications of power electronics in the field of power systems such as FACTS devices like STATCOM, UPFC, DVR, Active Filters, HVDC, Distributed Generation interfaces with Renewable Energy Sources were discussed at length. The lecture was continued for 1 ½ hours.

The technical session started from 2.30 pm, where technical papers were presented. We have received nearly 200 papers from diverse organizations ranging from IITs, NITs, Jadavpur University, Bengal Engineering & Science University, Indian Statistical Institute are to name a few. Papers have also been received from countries like Algeria, China, Canada, Iran, and Libya. The papers have been reviewed carefully by a group of eminent personalities in the respective fields and the time constraint has forced us to accept only 62 papers to present in the conference.

In the first half of technical session of Day 1 (01.02.2014), there were three parallel sessions namely 1A – Power Electronics & Systems I, where 6 papers were presented, 1B – Power System I – where 6 papers were presented and 1C – Signal Processing & Communication, where also 6 papers were presented. The papers were presented through PPT followed by question answer. Time allocated for each paper presentation 15 minutes. In each technical session, there were one Session Chair and one Session Co-Chair. The session chair and co-chair were selected from respective fields. To assist session chair and co-chair and also the paper presenter, there were one Coordinator and one Faculty In-Charge from the college. Additionally, to run the session smoothly, student volunteers were provided.

In the second half of technical session, there were three parallel sessions, namely 2A – Power System II – where 7 papers were presented, 2B – Image Processing – where 7 papers were presented and 2C – Control & Embedded Systems – where 8 papers were presented. Here also in each technical session, there were one Session Chair and one Session Co-Chair. The session chair and co-chair were selected from
respectively. To assist session chair and co-chair and also the paper presenter, there were one Coordinator and one Faculty In-Charge from the college. Additionally, to run the session smoothly, student volunteers were provided.

On day two of the conference, in the technical session, there were four parallel sessions, namely 3A – Signal Processing Applications – where 7 papers were presented, 3B – Power System III – where 7 papers were presented, 3C – Optimization – where 4 papers were presented and 3D – Power Electronics & Systems II – where 6 papers were presented. In each technical session, like previous day, there were one Session Chair and one Session Co-Chair. The session chair and co-chair were selected from respective fields. To assist session chair and co-chair and also the paper presenter, there were one Coordinator and one Faculty In-Charge from the college. Additionally, to run the session smoothly, student volunteers were provided.

After the paper presentation, invited talk was delivered by Prof. T. K. Ghoshal, Emeritus Professor, Department of Electrical Engineering, Jadavpur University. The topic was control system. After lunch, there was an industry meet where Mr. Susanta Kumar Das, MD, WBSETCL; Mr. Shri Amaresh Chandra Sarkar, MD, New Town Electric Supply Co. Ltd; Mr. Sumit Banerji, Chief Technical Advisor, Chloride Power Systems & Solutions Limited; Prof. T. K. Ghoshal, Emeritus Professor, Department of Electrical Engineering, Jadavpur University were present. They initially delivered lectures on the industrial scenario and the criteria of skilled technical manpower requirement and selection process etc. Later they allowed the students especially the final year student to interact with them, where they cleared doubts of the students.

In the valedictory, certificates were given to the participants and feedback forms from the participants were collected. The conference ended with vote of thanks given by Conference-Chair. This report has been prepared by Prof. Amitava Sil, Conference Secretary, ACES-2014.