

A one day National Conference was organized by the Department of Electrical Engineering, **B.P.Poddar Institute of Management & Technology, Kolkata** on “**Control, Sensor, Transducer and Sensor Technology**”, **CSTS 2012**, on 28<sup>th</sup> April, 2012 in collaboration with **IET, the Institution of Engineering and Technology**, Kolkata Network, YP Section. The theme of the Conference was aptly chosen keeping in conformance with the industry demands and proliferation in the fields of Control Systems, Artificial Intelligence, Fuzzy Logic, Sensor Technology and Signal Conditioning Circuits. The seamless execution of any industrial process is dependent upon mutual interaction, synchronization and coherent operation of associated circuitry. Keeping in cognizance of the importance of research and exploration of interdisciplinary areas, the academic committee of BPPIMT took an initiative to provide a platform for technical deliberations and exchange of novel ideas amongst stalwarts as well as amateurs in research.

This propitious occasion proved to be an immensely enriching experience. The day took off with a scintillating Inauguration ceremony thronged by the glitterati of the academia who were extended a warm welcome message by the Convener of the Conference. The audience had the pleasure to savour the august presence of none other than the erudite and esteemed **Prof. T.K. Ghoshal**, Professor Emeritus, Department of Electrical Engineering, Jadavpur University. The contribution of Prof. Ghoshal in the field of guidance and control in navigation and allied research and development initiatives of the country goes beyond mention. As **Chief Guest** he added his Midas touch to the event by enlightening us with his insights and few anecdotes from his vast pool of knowledge and experience. Among other dignitaries who graced the occasion were our revered Principal, Prof. Sutapa Mukherjee, Prof. B.N. Chatterjee, Dean, Academic affairs, Prof. Pramathes Das, Departmental Head and honourable **Prof. Samarjit Sengupta, Chairman, IET Kolkata Network**. Principal appreciated the endeavours of the team members and especially the enthusiasm of the students. Our Dean delivered an encouraging address to the audience Prof. Samarjit Sengupta stressed on the importance of organizing such technical symposiums, seminars and conferences which will bring together the academic and research fraternity.

A few snapshots from the Inaugural Ceremony album are provided:



Convener delivering Welcome Address



Principal delivering the Inaugural address



Chief Guest addressing the audience



IET, Chairman addressing the audience



Chief Guest being handed over the Conference Proceedings



Chief Guest lighting the auspicious lamp

Following the addresses of the delegates and with the adjournment of the Inauguration ceremony, began the key note address by Prof. T.K. Ghoshal. It was an educative experience which offered the audience a rare opportunity to get a glimpse through the technical intricacies of the world of missiles, the principles of operation and execution.



Audience savouring Key-note speaker's technical talk

The next technical deliberation was by Prof. Amitava Chatterjee, Associate Professor, Department of Electrical Engineering, JU, who enthralled the audience by throwing light on different complex areas of image processing. His talk was packed with invaluable information on Robot Navigation.



Prof. Chatterjee delivering his talk



Prof. Amit Konar interacting with Prof. Chatterjee

After Lunch break Prof. Abhik Mukherjee of the Department of Computer Science & Technology, BESUS, delivered an engrossing talk on Control and Guidance. He touched the fundamental areas, discussed the basic principles and then treaded into the nuances of operation of unmanned vehicles and satellite communication.



Prof. Abhik Mukherjee delivering his lecture

His lecture was followed by a talk by eminent Prof. Amit Konar, Professor, Department of Electronics & Telecommunication Engineering, Jadavpur University who mesmerized the audience with his incredible knowledge and profound understanding of Brain-Computer Interfacing. He explored the possibilities of using artificial limbs, their operation and working of associated circuitry. The lecture was extremely lively and interactive and the audience was highly enthused.



Prof. Amit Konar delivering his address



An inquisitive mind

The last talk in the plenary Session was delivered by Prof. Mainak Sengupta, Professor, Department of Electrical Engineering, BESUS who threw light on advancements in Power Electronics and Drives. The session proved to be very interesting.

The parallel technical sessions were chaired by Prof. Pramathes Das. The Conference received a huge response in the form of paper submissions. The papers were duly reviewed and seventeen papers were selected for publication and presentation. Some of the papers reflected brilliant ideas and effort and the paper titled “**Three Loop Lateral Missile Autopilot Design based on LQR and Reduced Order Observer**” by Parijat Bhowmick and Gourhari Das was conferred the **Best Technical Paper Award**.



Prof. Das as Technical Session Chair



A technical paper being presented

The programme was wound up with a Vote of Thanks delivered by the Convener, Prof. Sudipta Chakraborty who expressed her sincere gratitude to the esteemed delegates for spending their invaluable time for the occasion. She heartily thanked IET, Kolkata network for extending their support. All the faculty, staff members and students were lauded for their fervent efforts with which they carried out the arduous task of making the Conference a grand success.

The concluding speech was delivered by the Conference Coordinator, Prof. Pramathes Das, who disbursed the Certificates and highlighted the fact that the talks delivered by the men of letters and the papers read by the young researchers contributed in making the event a great learning experience.