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Invited Speakers

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Professor of Department of Electrical & Electronic Engineering, University of Peradeniya, Sri Lanka.
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Professor in Microgrid, IEEE Fellow, Department of Energy Technology Aalborg University, Denmark
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IIT Kanpur

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 Prof. Swapan Goswami, *Jadavpur University*
 Prof. Shibsankar Saha, *Kalyani Govt. Engg. Col.*
 Dr. Debasish Chatterjee, *Jadavpur University*
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2nd International Conference on Control, Instrumentation, Energy & Communication

CIEC¹⁶

January 28-30, 2016



Organized By:



Department of Applied Physics,
University of Calcutta
Kolkata, West Bengal, India

Technically Co-Sponsored by:



IEEE Kolkata Section



CSS-IMS Joint Chapter
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The Institution of
Engineering and Technology
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Venue

Department of Applied Physics, University of Calcutta
92, APC Road, Kolkata-700009, India

University of Calcutta

University of Calcutta was founded on January 24, 1857 by the incorporation of an Act of the Legislative Council of the then British India. The University was certainly established to promote western knowledge and learning in colonial interest. But ultimately, it emerged as the nucleus of a range of academic activities which contributed to the development of Indian science and technology and our own understanding of the country's past and the nation's perceptions for the future. Besides, the University has always remained alive to emerging political, social and economic challenges of the nation and the world.

Department of Applied Physics

Department of Applied Physics was established in 1925 under University of Calcutta for Post Graduate studies in Electrical Technology and allied sciences. Presently, this Department offers two post B.Sc. (Hons.) B.Tech degrees in Electrical Engineering and Instrumentation Engineering, two M.Tech degrees in Electrical Engineering and Instrumentation and Control Engineering and two part-time M. Tech. degrees in Electrical Engineering (Electrical Power) and Instrumentation and Control Engineering. Research activities are one of the prime outputs of the department. Doctoral degrees in the relevant areas are also offered from this department.

Conference Objective

The International Conference CIEC16 is organized under the convergence of the areas Control, Communication, and signal processing related to Electrical Engineering and Instrumentation Engineering. The conference is aimed to create a platform to share, disseminate and address the recent trends and developments in these areas to the academic and research community. The conference will also try to foster the engineers to contribute towards technology based solutions to enable the human civilization for effective and optimum utilization of energy and knowledge for leading a better life.

Call for Papers

Track1: Control and Automation

Linear and Nonlinear Control Theory; Adaptive Control; Robust Control; Distributed Control; Intelligent Control; Digital Control.

Track 2: Instrumentation, Measurement and Sensing Technology

Novel instrumentation for process measurements; SMART sensors and sensor fusion, MEMS, Vision Sensors, remote sensing, telemetry and its application; Instrumentation for condition monitoring, safety systems; Virtual instrumentation; Compressive sensing; Biomedical instrumentation, signal analysis and health monitoring applications;

Track 3: Power and Energy

Energy Conversion and Energy Management; Power Electronics and Drives; Energy Systems-Smart GRID, Micro GRID, FACTS, Advanced metering; Power Quality; Power System Stability, protection and deregulation; Non-conventional Energy Resources.

Track 4: Communication and Networking

Power line Carrier Communication; Zigbee, Bluetooth and Adhoc Networking; DSP, FPGA and SOC Applications; GSM and GPRS Applications; Control Bus Communications and Networking Techniques.

Track 5: Computational Techniques and Expert systems

Modern Optimization Techniques; Artificial Intelligence, Neural Networks and Fuzzy Logic based System; High Performance Computing and Big Data Analysis; Signal and Image Processing techniques and Applications; Image Processing Techniques and Applications; Robotics and its Applications.

Proceedings

- Manuscripts complying IEEE Conference Proceedings up to 5 pages are to be submitted.
- The accepted and presented papers of CIEC-16 will be available in *IEEEExplore*.

Registration Fees

Category	Early Bird Registration (on or before 01.12.2015)		Registration (after 01.12.2015)	
	Indian Delegates (INR)	Foreign Delegates (USD)	Indian Delegates (INR)	Foreign Delegates (USD)
Authors	6000	500	7000	500
Authors (members of IEEE, IET)	5500	450	6500	450

Important Dates

Paper Submission Open	16 th February, 2015
Paper Submission Deadline	14 th September, 2015
Acceptance Notification	6 th November, 2015
Early Bird Registration	1 st December, 2015
Camera-Ready Submission	7 th December, 2015

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