

**INDUSTRY APPLICATIONS CHAPTER
THE INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS INC
KOLKATA SECTION**



IEEE Lecture

Topic	Power flow revisited - in power electronic converter based systems
Speaker	Dr. Kaushik Mukherjee, Associate Professor, Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur
Date & Time	8th December, 2020 (Tuesday), 6:00 PM - 7:00 PM
Venue	Google Meet (online); Link: meet.google.com/ahx-usmv-fhj
Contact	Suvarun Dalapati (suvarundalapati@yahoo.co.in)

About the speaker:

Kaushik Mukherjee received the B.E. degree in electrical engineering from Jadavpur University, Calcutta, India, in 1993, the M.E. degree in electrical engineering from Bengal Engineering College, Howrah, India, in 1998, and the Ph.D. degree in electrical engineering from the Indian Institute of Technology, Kharagpur, Kharagpur, India, in 2003. Since 1993, he has spent almost two and a half years in the industry, first with Andrew Yule and Co. Ltd., Brentford Unit. Electrical Division, India and then with Siemens Ltd., Projects Division, India. He started his teaching career as a lecturer at the Department of Electrical Engineering, Jadavpur University, Kolkata in June 2002. At present, he is serving as an Associate Professor in the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology (IEST), Shibpur, Howrah, India. He is also a Visiting (Research) Professor with the Centre for Hybrid Automotive Research and Green Energy (CHARGE) lab, University of Windsor, Windsor, Canada, undertaking collaborative research. He has published about 20 IEEE/IET journal papers and, at present, is a senior member of IEEE. His research interests are in the field of Electrical Machines and power electronics applications, namely, electrical drives, distributed generation and electrified vehicles.

Abstract of the talk:

Initially the talk will start with the objective of why the speaker thinks that he should talk on this subject. This will be followed by a brief revisit of power flow concepts of classical electrical engineering. Ultimately, power flow issues for some interesting power electronic converter systems will be taken up to show where the age-old classical concepts still prevail and where the concepts have to be re-tuned. With the passage of time, as power electronic converters are penetrating deep and wide into electrical engineering systems, such a discussion/interaction will benefit the aspiring students and professionals working in the field of power electrical engineering.

Duration: 1 hour (approx.)