

ELECTRIC POWER GRID – TECHNICAL ASPECTS OF POWER SYSTEMS

October 14, 2020
Online | Central Time



“After 7 years in this industry, I FINALLY took an EUCI course to gain a better and more technical understanding of the power T&D industry! So now, I can finally understand what the heck all my engineering colleagues are talking about when they refer to voltages, current, reactive power, loads, etc.”

Digital Marketing Manager, ABB



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The Electric Power Grid course was developed to increase participant's understanding of the electric grid and how it functions. The course will cover technical concepts of power systems in simple, easily understood, vernacular, such as how utilities plan, design, construct and operate different components of power systems, and operate the system in an integrated manner. Join us to learn how power is generated by providers, generation resources, substations, transmission, distribution, and utilization will be addressed along with the essential reliability and resilience aspects of the power grid.



EUCI is authorized by IACET to offer 0.6 CEUs for the course. Participants must log on each day and be in attendance for the entirety of the course to be eligible for continuing education credit.

LEARNING OUTCOMES

- Describe basic electricity concepts, including voltage, current, power, types of electric current – alternating current (AC) vs. direct current (DC), three-phase power, and energy
- Explain components of the power system and how they fit and work together
- Discuss design and operation of electric utility systems
- Identify drivers of system planning, design, and operation
- Explain benefits of different types of power generation sources including renewables such as wind, solar, geothermal, and hydropower, their status, and future role
- Identify various voltage capacities of AC and DC transmission lines, and explain how DC transmission is integrated into an AC transmission network
- Discuss station equipment, such as transformers and circuit breakers
- Review ROW requirements for transmission and distribution lines

INSTRUCTOR

Raj Rana, PE, MBA, CEM, PMP – Consultant

To Register Click Here, or

Mail Directly To:

PMA Conference Management
405 Highview Rd
Englewood NJ 07631
201 871 0474
Fax 253 663 7224
register@pmaconference.com

ONLINE DELIVERY & PARTICIPATION DETAILS

EUCI will use Microsoft Teams to facilitate participation in the upcoming event. Attendees do not need to have an existing Teams account to participate in the broadcast. The course will play in attendee's browser. When attendees sign on, their microphones are typically muted. Attendees should keep their mic muted until such time as it's needed to ask a question. During the event, participants will have the option of using a microphone to speak with the room and ask questions, or type in any questions via the chat window and our online administrator will relay your question to the instructor.

- Each attendee will receive an event invitation by e-mail, which will include one link to sign on for each half-day of the event (i.e., three links for a 1 1/2 day event). The appropriate link must be used to join each half-day event segment at the appropriate time.
- The remote meeting connection will open approximately 30 minutes before the start of the course. We encourage attendees to connect as early as possible in case of unforeseen problems.
- **Recording:** Each event is recorded, and will be available for three business days. For registrants only.

PLEASE SELECT

- ELECTRIC POWER GRID – TECHNICAL ASPECTS OF POWER SYSTEMS ONLINE COURSE:**
OCTOBER 14, 2020: US \$795 (Single registration)
- PACK OF 5 REGISTRANTS:** US \$3,180 (20% Discount)
- PACK OF 10 REGISTRANTS:** US \$5,565 (30% Discount)
- PACK OF 20 REGISTRANTS:** US \$9,540 (40% Discount)

Call 201 871 0474 to register groups and receive discounts
Incremental registrants charged at the discounted rate.
Separate connection available for each registrant to facilitate social distancing.

Print Name	Job Title		
Company			
Address			
City	State/Province	Zip/Postal Code	Country
Phone	Email		

CREDIT CARD INFORMATION

Name on Card	Billing Address	
Account Number	Billing City	Billing State
Exp. Date	Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx)	Billing Zip Code/Postal Code

OR Enclosed is a check for \$ _____ to cover _____ registrations.

Substitutions & Cancellations

Your registration may be transferred to a member of your organization up to 24 hours in advance of the event. Cancellations must be received on or before September 11, 2020 in order to be refunded and will be subject to a US \$195.00 processing fee per registrant. No refunds will be made after this date. Cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI event. This credit will be good for six months from the cancellation date. In the event of non-attendance, all registration fees will be forfeited. In case of course cancellation, EUCI's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds, please contact our offices. EUCI reserves the right to alter this program without prior notice.