

# UTILITY-SCALE SOLAR POWER PLANT FUNDAMENTALS:

*Design Optimization, Planning, Procurement & Development*

October 26 – 27, 2020  
Online | Central Time



*“This course is a great way to introduce yourself to the ways the utility industry are incorporating solar power into their service territories and how the plants are designed on large scales.”*

Substation Engineer, Sargent and Lundy



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This course is designed to familiarize attendees with the key elements of planning solar power plant resources as well as design and development elements, including an understanding of component function and selection, site selection, and operational optimization. A broad review of development and capital cost deployment, coupled with energy production modeling techniques, will provide course participants with the basics of cost-of-energy analysis and how design decisions can impact overall plant economics. Solar industry practitioners will also review procurement best practices, along with design and equipment procurement considerations to reduce risk for asset owners.

## LEARNING OUTCOMES

- Discuss the fundamentals of solar utility-scale generation and its distinctive requirements on transmission and distribution systems
- Review fundamental design and system integration requirements of utility-scale and large-scale commercial solar projects
- Assess cost estimating and EPC considerations
- Evaluate independent engineer's (IE) role and functions
- Examine energy modeling fundamentals
- Analyze design optimization considerations
- Evaluate risk assessment, risk allocation, and performance guarantees
- Describe third-party installation review, testing and commissioning
- Identify procurement considerations
- Assess resource planning for solar and technological advances
- Define core financial modeling elements

## SUBJECT MATTER EXPERTS

- **Matt Brinkman**, *Solar Business Unit and Regional Practice Manager, Burns & McDonnell*
- **Josiah Daniel**, *Vice President, Insurance Risk Partners*
- **Torrey Graf**, *Senior Electrical Engineer – Solar Group, Burns & McDonnell*
- **Lynsey Tibbs**, *Solar Operations Project Manager, Southern Power Company*



EUCI is authorized by IACET to offer 1.1 CEUs for the course

# REGISTRATION INFORMATION

## Mail Directly To:

EUCI  
6400 S Fiddlers Green Cir., Suite 1620  
Greenwood Village, CO 80111  
OR, scan and email to: [conferences@euci.com](mailto:conferences@euci.com)

[WWW.EUCI.COM](http://WWW.EUCI.COM)

**p: 303-770-8800**

**f: 303-741-0849**

# 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 ½ 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.

## PLEASE SELECT

**UTILITY-SCALE SOLAR POWER PLANT FUNDAMENTALS ONLINE COURSE**

OCTOBER 26 – 27, 2020: US \$1295 (Single Connection)

**PACK OF 5 CONNECTIONS:** US \$ 5,180 (20% Discount)

**PACK OF 10 CONNECTIONS:** US \$9,065 (30% Discount)

**PACK OF 20 CONNECTIONS:** US \$15,540 (40% Discount)

**Please call us at 303-770-8800 if you have any specific questions on the volume discounts**

*\* all other discounts do not apply to license packs*

How did you hear about this event? (direct e-mail, colleague, speaker(s), etc.)

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 25, 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 at 303-770-8800.

EUCI reserves the right to alter this program without prior notice.

