

Faculty

Geothermal Heating and Cooling

Jay Egg *Founder and Consultant with EggGeothermal*

Mr. Egg founded EggGeothermal in 1990 to provide renewable energy systems to the public. As a result of the American Recovery and Reinvestment Act of 2009, Mr. Egg wrote two books for McGraw-Hill Education, and EggGeothermal entered into a new age of acceptance. Mr. Egg currently focuses his professional efforts as a renewable energy expert on renewable and sustainable energy, and solar and geothermal exchange implementation. Among his clients are international, federal, state and local governments; developers; associations; and private entities. EggGeothermal is a training and curriculum facilitator for the U.S. Department of Energy (DOE) and the "Geothermal Workshop Series," serving the GeoExchange Organization/American Ground Water Trust, and National Ground Water Association.

Cogeneration

Andrew W. Larkin, P.E., C.E.M *Vice President, Development Engineering at DCO Energy, LLC*

Mr. Larkin is vice president of development engineering at DCO Energy in New Jersey where he is responsible for technical solutions to energy project opportunities, including simple cycle and combined cycle cogeneration plants, and central heating and cooling facilities. He also manages the engineering of energy projects including fuel cell cogeneration. Mr. Larkin earned his B.S.M.E. degree and M.S. degree in Engineering Management from Drexel University, and he has been involved in the energy business for over 25 years. DCO Energy, LLC, is an independent energy development company specializing in the development, engineering, construction, start up, commissioning, operation, maintenance and management, as well as ownership, of central energy centers (CEC), renewable energy projects and combined heat, chilling and power (CHCP) production facilities.

Shallow Foundation

Ibraheem Shunnar *Director of Engineering at The Mannik & Smith Group*

Mr. Shunnar has more than 20 years of experience in geotechnical engineering with expertise in specialty foundations, ground improvement, slope stability, instrumentation and waste management. He has a Master's degree in Geotechnical Engineering from the University of Michigan and is a registered professional engineer. He is the author of many articles and papers on geotechnical engineering. He was the project manager for the Fairlane Green redevelopment project, winner of the 2008 National Phoenix Award. He is also the recipient of the distinguished achievement award from the University of Michigan.

Roadway Design

Sidney May, P.E is a licensed civil engineer with over 15 years of experience in both the public and private sector. She has built her career within various aspects of transportation including roadway design, temporary traffic control design, geotechnical design and review, environmental planning and compliance, and pavement and drainage design. Mrs. May received her B.S. degree in Civil Engineering from the University of Alabama. She has led subsurface investigations and pavement rehabilitation studies for recommendations on various pavement failure types such as: full depth reclamation, lime stabilization, soil-cement stabilization, historic preservation and restoration in flexible, rigid, and masonry materials. Mrs. May continued her career in environmental planning and compliance ensuring that all construction projects, both state and federal, adhered to the latest environmental laws and regulations. Consequently, she has cultivated relationships with state and federal agencies such as ADEM (Alabama Department of Environmental Management), USACE (US Army Corps of Engineers), SHPO/AHC (State Historic Preservation Office/Alabama Historic Commission), and US Fish and Wildlife. She has led training seminars on the importance of temporary traffic control and believes that successfully-managed projects all start and end with competence, confidence, and communication amongst all individuals involved in project management and completion. Mrs. May is currently an active member of ASCE (American Society of Civil Engineers) where she holds a branch leadership position. She is also working to help establish a coalition for the Alabama Dam Safety Program. Mrs. May is also active in her community, by serving as an advisory board member to local engineering academies and by mentoring local high school students, motivating them to pursue careers in engineering.

November Webinar Series

- Geothermal Heating and Cooling
- Cogeneration System Principles and Practice
- Shallow Foundation Design and Construction
- Roadway Design



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November Webinar Series

Geothermal Heating and Cooling

Thursday, November 1, and Friday, November 2

Cogeneration System Principles and Practice

Thursday, November 8, and Friday, November 9

Shallow Foundation Design and Construction

Thursday, November 14, and Friday, November 15

Roadway Design

Thursday, November 29, and Friday, November 30

November Webinar Series



Geothermal Heating and Cooling

Architects: 5.5 HSW CE Hours AIA: 5.5 HSW LUs Engineers: 5.5 PDHs

Cogeneration System Principles and Practice

Architects: 6.0 HSW CE Hours AIA: 6.0 HSW LUs Engineers: 6.0 PDHs

Shallow Foundation Design and Construction

Architects: 6.0 HSW CE Hours AIA: 6.0 HSW LUs Engineers: 6.0 PDHs

Roadway Design

Engineers: 6.5 PDHs

Each webinar in these series earns continuing education credit. The credit hours shown above are for all webinars in each series. See inside for credits available for individual webinars.

To register and view webinar agendas visit us online at:
www.halfmoonseminars.org/webinars/



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Geothermal Heating and Cooling

Series Tuition: ~~-\$275~~ **\$250** when you register for all four webinars

Total Credits: Architects: 5.5 HSW CE Hours **AIA:** 5.5 HSW LUs **Engineers:** 5.5 PDHs

Thermodynamic Basics of Geothermal Systems

Thursday, November 1, 2018, 11:00 AM - 12:00 PM CDT **Tuition:** \$50

Credits: Architects: 1.0 HSW CE Hour AIA: 1.0 HSW LU Engineers: 1.0 PDH

Understanding Earth Loop Systems

Thursday, November 1, 2018, 12:30 - 2:00 PM CDT **Tuition:** \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Choosing and Designing Geothermal Systems

Friday, November 2, 2018, 11:00 AM - 12:00 PM CDT **Tuition:** \$50

Credits: Architects: 1.0 HSW CE Hour AIA: 1.0 HSW LU Engineers: 1.0 PDH

Evaluating and Maintaining Geothermal Systems

Friday, November 2, 2018, 12:30 - 2:30 PM CDT **Tuition:** \$100

Credits: Architects: 2.0 HSW CE Hours AIA: 2.0 HSW LUs Engineers: 2.0 PDHs

Continuing Education Credit Information

HalfMoon Education is an American Institute of Architects-approved continuing education sponsor (No. J885), and is deemed an approved continuing education sponsor for architects in New York. These webinars are not approved for Florida architects. Other states do not preapprove educators or courses. Check each webinar for the number of continuing education hours available. HalfMoon Education is an approved engineer continuing education provider in Florida, Indiana (Provider No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. Other states do not preapprove educators or courses. These webinars offer engineer continuing education credit in all states. Check each course listing for the number of PDHs available. Participation and knowledge retention will be verified for these webinar events, certificates of completion will be provided, and LUs will be reported to the AIA. Please see individual course listings for credit approval.

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Shallow Foundation Design and Construction

Series Tuition: ~~-\$300~~ **\$250** when you register for all four webinars

Total Credits: Architects: 6.0 HSW CE Hours **AIA:** 6.0 HSW LUs **Engineers:** 6.0 PDHs

Evaluating Building Sites

Wednesday, November 14, 2018, 11:00 AM - 12:30 PM CST **Tuition:** \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Shallow Foundation Design

Wednesday, November 14, 2018, 1:00 - 2:30 PM CST **Tuition:** \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Special Considerations in Foundation Design and Construction

Thursday, November 15, 2018, 11:00 AM - 12:30 PM CST **Tuition:** \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDH

Soil Improvement and Foundation Diagnosis and Repair

Thursday, November 15, 2018, 1:00 - 2:30 PM CST **Tuition:** \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Cogeneration System Principles and Practice

Series Tuition: ~~-\$300~~ **\$250** when you register for all four webinars

Total Credits: Architects: 6.0 HSW CE Hours **AIA:** 6.0 HSW LUs **Engineers:** 6.0 PDHs

Understanding the Benefits of Cogeneration

Thursday, November 8, 2018, 11:00 AM - 12:30 PM CST **Tuition:** \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Laws, Regulations and Building Codes Impacting Cogeneration

Thursday, November 8, 2018, 1:00 PM - 2:30 PM CST **Tuition:** \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Examining Cogeneration Technologies

Friday, November 9, 2018, 11:00 AM - 12:30 PM CST **Tuition:** \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDH

Moving to Cogeneration: Analysis, Modeling and Case Studies

Friday, November 9, 2018, 1:00 - 2:30 PM CST **Tuition:** \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Roadway Design

Series Tuition: ~~-\$325~~ **\$275** when you register for all four webinars

Total Credits: Engineers: 6.5 PDHs

Roadway Design

Thursday, November 29, 2018, 11:00 AM - 12:30 PM CST **Tuition:** \$75

Credits: Engineers: 1.5 PDHs

Roadway Design Process

Thursday, November 29, 2018, 1:00 - 2:00 PM CST **Tuition:** \$50

Credits: Engineers: 1.0 PDH

Typical Roadway Sections and Alignment

Friday, November 30, 2018, 11:00 AM - 1:30 PM CST **Tuition:** \$125

Credits: Engineers: 2.5 PDH

Intersections, Drainage and Pedestrian-Bicycle Facilities

Friday, November 30, 2018, 2:00 - 3:30 PM CST **Tuition:** \$75

Credits: Engineers: 1.5 PDHs

Webinar Instructions

Each webinar session earns continuing education credit and can be registered for individually. All attendees must log-on through their own email – attendees may not watch together if they wish to earn continuing education credit. HalfMoon Education Inc. must be able to prove attendance if either the attendee or HalfMoon Education Inc. is audited.

Certificates of completion will be provided for each webinar attended and will be sent via email in PDF form about five business days after the conclusion of the series.

Webinars are presented via **GoToWebinar**, an easy-to-use application that can be run on most systems and tablets. Instructions and login information will be provided in an email sent close to the date of the webinar. ***It is highly recommended that you download, install and test the application before the webinar begins by clicking on the link in the email.***

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GoToWebinar App requirements:

Windows 7 - 10 or Mac OSX 10.9 (Mavericks) - 10.13 (High Sierra)

Web Browser:

The two most recent version of the following browsers:
Google Chrome, Mozilla Firefox, Apple Safari, Microsoft Edge
Internet Explorer v11 (or later) with Flash enabled

Internet connection: Minimum of 1Mbps **Hardware:** 2GB RAM or more

For more information visit the Support section at www.gotowebinar.com.