

Faculty and Credit Information

Technical Writing

Dr. Mark Decker is associate professor of English and assistant department chair at Bloomsburg University in Bloomsburg Pennsylvania, where he teaches Technical Writing and Writing Technical Manuals in support of the Professional Writing minor. Dr. Decker has a PhD and an MA in English from The Pennsylvania State University (2001, 1997) and he graduated *summa cum laude* in English from Utah State University (1995). After graduate school, Dr. Decker spent four years teaching Technical Writing at the University of Wisconsin-Stout. Dr. Decker has given presentations at several national and international conferences and has published several scholarly articles, book chapters, encyclopedia chapters, and a co-edited book.

Masonry Design and Construction

Elias A. Toubia, Ph.D., P.E. is an assistant professor with the University of Dayton's School of Engineering where he teaches classes in mechanics, civil engineering materials, design of concrete structures, masonry design, design of timber structures and structural dynamics. His research interests include innovative structural design systems, composite materials and experimental testing, behavior of reinforced concrete and masonry structures. Dr. Toubia is a member of the American Society of Engineering Education, the American Concrete Institute, and The Masonry Society. Dr. Toubia holds a US patent and an outstanding paper award from the *Masonry Society Journal*, has extensive experience in designing complex structures and has had several publications in structures and materials featured in major peer-reviewed journals.

Deep Foundations

Robert G. Trazo, M.Sc., PE, GE, D.GE *Southern California Geotechnical, Inc.*

Mr. Trazo has 23 years' experience in the geotechnical industry, from analyzing forensic projects associated with the 1994 Northridge Earthquake and Malibu landslides; to building large residential, municipal and bridge projects in Orange County; to building large commercial, industrial and retail buildings throughout Southern California. Mr. Trazo has served as a part-time professor of Civil Engineering at California Polytechnic University, Pomona, since 2003. Mr. Trazo has also taught the American Society of Civil Engineers (ASCE) Review Class for California Professional Engineer license exam students since 2001. In addition, Mr. Trazo has served the California Board of Professional Engineers since 2005 as a geotechnical exam development team member and as a geotechnical subject matter technical expert reviewing cases involving other geotechnical engineers in California.

Designing Solar Roofs and Community Solar

John-Ross Cromer is an Ivy League mechanical engineer, master electrician, NABCEP-certified PV installer, and author of *Solar Power Design and Development: An Introduction to Rooftop Solar*. He brings ten years of solar project experience including residential, commercial, and small utility-scale projects to his work, including an off-grid residential-sized home.

Pumping and Piping Systems

George Walters III, PE, CPD *Mechanical Engineer at BMH Engineering LLC*

Mr. Walters is a professional engineer and is certified in plumbing design through the American Society of Plumbing Engineers. His responsibilities overlap into the professional engineering areas of civil engineering, mechanical engineering, chemical engineering, fire protection engineering, and process engineering. He performs calculations, sizes equipment, and prepares plumbing design and construction documents. Mr. Walters is a member of the Atlanta Chapter of the American Society of Plumbing Engineers (ASPE). He earned his B.S. degree in Mechanical Engineering from Georgia Tech.

January Webinar Series:

- Technical Writing
- Masonry Design and Construction
- Deep Foundations
- Designing Solar Roofs and Community Solar
- Pumping and Piping Systems



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January Webinar Series

Technical Writing

- Technical Writing Basics
- Writing Documents
- Planning Documents
- Revising and Editing Documents

Masonry Design and Construction

- Introduction to Masonry Materials and Requirements
- Masonry Construction Techniques
- Masonry Inspections and the Masonry Standards Joint Committee (MSJC) Code
- Quality Control and Sampling

Deep Foundations

- Deep Foundation Site Evaluation
- Deep Foundation Pile Design
- Overview of Deep Foundations
- Deep Foundation Installation and Testing

Designing Solar Roofs and Community Solar

- Design Your Solar Roof
- Community Solar

Pumping and Piping Systems

- Introduction to Pumps
- Piping System Components, Materials and Calculations
- Handling Pump and Piping System Problems
- Design Standards and Codes

January Webinar Series



Technical Writing

Architects: 8.0 CE Hours AIA: 8.0 LUs Engineers: 8.0 PDHs

Masonry Design and Construction

Architects: 8.0 HSW CE Hours AIA: 8.0 HSW LUs Engineers: 8.0 PDHs

Deep Foundations

Architects: 5.0 HSW CE Hours AIA: 5.0 HSW LUs Engineers: 5.0 PDHs

Designing Solar Roofs and Community Solar

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

Pumping and Piping Systems

Engineers: 6.0 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.

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www.halfmoonseminars.org/webinars/



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Technical Writing

Series Tuition: ~~-\$400~~ **\$350** when you register for all four webinars

Total Credits: Architects: 8.0 CE Hours **AIA:** 8.0 LUs **Engineers:** 8.0 PDHs

Technical Writing Basics

Tuesday, January 9, 2018, 11:00 AM - 1:00 PM CST **Tuition:** \$100

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

Planning Documents

Tuesday, January 9, 2018, 1:30 - 3:30 PM CST **Tuition:** \$100

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

Writing Documents

Wednesday, January 10, 2018, 11:00 AM - 1:00 PM CST **Tuition:** \$100

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

Revising and Editing Documents

Wednesday, January 10, 2018, 1:30 - 3:30 PM CST **Tuition:** \$100

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

Masonry Design and Construction

Series Tuition: ~~-\$400~~ **\$350** when you register for all four webinars

Total Credits: Architects: 8.0 HSW CE Hours **AIA:** 8.0 HSW LUs **Engineers:** 8.0 PDHs

Introduction to Masonry Materials and Requirements

Thursday, January 11, 2018, 11:00 AM - 1:00 PM CST **Tuition:** \$100

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

Masonry Construction Techniques

Thursday, January 11, 2018, 2017, 1:30 - 3:30 PM CST **Tuition:** \$100

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

Quality Control and Sampling

Friday, January 12, 2018, 11:00 AM - 1:00 PM CST **Tuition:** \$100

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

Masonry Inspections and the

Masonry Standards Joint Committee (MSJC) Code

Friday, January 12, 2018, 1:30 - 3:30 PM CST **Tuition:** \$100

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

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www.halfmoonseminars.org/webinars/

Deep Foundations

Series Tuition: ~~-\$250~~ **\$200** when you register for all four webinars

Total Credits: Architects: 5.0 HSW CE Hours **AIA:** 5.0 HSW LUs **Engineers:** 5.0 PDHs

Deep Foundation Site Evaluation

Wednesday, January 17, 2018, 11:00 AM - 12:00 PM CST **Tuition:** \$50

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

Overview of Deep Foundations

Wednesday, January 17, 2018, 12:30 - 2:00 PM CST **Tuition:** \$75

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

Deep Foundation Pile Design

Thursday, January 18, 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

Deep Foundation Installation and Testing

Thursday, January 18, 2018, 1:00 - 2:00 PM CST **Tuition:** \$50

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

Designing Solar Roofs and Community Solar

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

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

Design Your Solar Roof

Wednesday, January 24, 2018, 11:00 AM - 2:15 PM CST (incl. 15 min. break) **Tuition:** \$150

Credits: Architects: 3.0 HSW CE Hours AIA: 3.0 HSW LUs Engineers: 3.0 PDHs

Community Solar

Wednesday, January 31, 2018, 11:00 AM - 2:15 PM CST (incl. 15 min. break) **Tuition:** \$150

Credits: Architects: 3.0 HSW CE Hours AIA: 3.0 HSW LUs Engineers: 3.0 PDHs

Pumping and Piping Systems

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

Total Credits: Engineers: 6.0 PDHs

Introduction to Pumps: Operation, Principles and Calculations

Thursday, January 25, 2018, 12:00 - 2:00 PM CST **Tuition:** \$100

Engineers: 2.0 PDHs

Design Standards and Codes

Thursday, January 25, 2018, 2:30 - 3:30 PM CST **Tuition:** \$50

Engineers: 1.0 PDHs

Piping System Components, Materials and Calculations

Friday, January 26, 2018, 12:00 - 2:00 PM CST **Tuition:** \$100

Engineers: 2.0 PDHs

Handling Pump and Piping System Problems

Friday, January 26, 2018, 2:30 - 3:30 PM CST **Tuition:** \$50

Engineers: 1.0 PDH

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, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSSED 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.

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.

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GoToWebinar system requirements:

Operating System:

Windows 7, Windows 8 or Windows 10
Mac OSX 10.9 (Mavericks) - 10.11 (El Capitan)

Web Browser:

Chrome v34+, Firefox v34+, Internet Explorer 8+, Microsoft Edge, Safari v6+

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

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