

# 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
- Planning Documents
- Writing Documents
- Revising and Editing Documents

## Masonry Design and Construction

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

## Deep Foundations

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

## Designing Solar Roofs and Community Solar

- Design Your Solar Roof
- Community Solar

## Pumping and Piping Systems

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

# 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

Architects: 6.0 HSW CE Hours      AIA: 6.0 HSW LUs      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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## 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

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

### Introduction to Pumps: Operation, Principles and Calculations

Thursday, January 25, 2018, 12:00 - 2:00 PM CST      **Tuition:** \$100  
Credits: Architects: 2.0 HSW CE Hours    AIA: 2.0 HSW LUs    Engineers: 2.0 PDHs

### Design Standards and Codes

Thursday, January 25, 2018, 2:30 - 3:30 PM CST      **Tuition:** \$50  
Credits: Architects: 1.0 HSW CE Hours    AIA: 1.0 HSW LUs    Engineers: 1.0 PDHs

### Piping System Components, Materials and Calculations

Friday, January 26, 2018, 12:00 - 2:00 PM CST      **Tuition:** \$100  
Credits: Architects: 2.0 HSW CE Hours    AIA: 2.0 HSW LUs    Engineers: 2.0 PDHs

### Handling Pump and Piping System Problems

Friday, January 26, 2018, 2:30 - 3:30 PM CST      **Tuition:** \$50  
Credits: Architects: 1.0 HSW CE Hour    AIA: 1.0 HSW LU    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 (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.

## Webinar Instructions

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#### **Operating System:**

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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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