

Agenda

Presented by Dave Hampton, Jr.

Cities and Towns at the Frontlines of a Changing Climate

- How municipalities can lead on climate adaptation
Identifying hazards to coastlines and to coastal construction
- Sea level rise, flooding and storm surge
 - Extreme weather events, erosion, wind and sand movement
 - Earthquakes, temperature extremes and others

Regulation of Coastal Areas and Coastal Construction

- FEMA and National Flood Insurance Program (NFIP)
Reviewing state and local building codes and land use regulations

Moving from Risks to Strengths and Prioritizing Actions

- Helping clients understand coastal resilience
- Reviewing existing plans and mapping
 - Engaging municipal government, local stakeholders, vulnerable populations
 - Identifying information gaps, hazards and risks
 - Finding strengths, opportunities and prioritizing actions

Incentivizing Coastal Resilience

- MA Municipal Vulnerability Preparedness (MVP) program
- Planning and action grants
- Coastal Zone Management (CZM) Coastal Resilience Grant Program
- Vulnerability and risk assessments, public education and others
- Regional, national and other incentives

Coastal Management Techniques at Building, Site and Community Scales

- Building and site scale
- Wet/dry floodproofing, retrofitting, raised ground floor and adding floors
 - Flood barriers
- Community-scale actions
- Elevating structures
 - Coastal infrastructure
 - Managed relocation and buyouts
- Coastal design case study 1

Blue-Green, Hybrid & Gray Coastal Infrastructure

- Traditional coastal infrastructure
- Coastal armoring: seawalls, levees, revetments, breakwaters
- Blue-green and hybrid coastal infrastructure
- Beach restoration and nourishment
 - Living shorelines, constructed wetlands, marsh sills, living reefs & revetments
- Coastal design case study 2

Co-Benefits with Other Resilient Practices

- Emergency management, evacuation and transit links
Integrated stormwater management inland and upland
Increasing adaptive capacity: social networks and community resilience

Putting Coastal Resilience into Practice

- A rapid-paced workshop on a site-specific location

Planning & Building for Coastal Resilience
Waltham, MA - Friday, May 17, 2019

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Learning Objectives

You'll be able to:

Explore state and local building codes and identify land use regulations relating to coastal construction.

Examine climate-related threats such as flooding, storm surge and temperature extremes.

Discuss Coastal Zone Management (CZM) and Coastal Resilience Grant Program.

Learn about coastal resilience building techniques such as flood barriers, raised ground floors and flood proofing.

Review coastal design case studies.



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Identify climate-related hazards to coastlines and coastal construction

Explore FEMA regulation and the National Flood Insurance Program (NFIP)

Discuss coastal management techniques at building, site and community scales

Examine and **compare** traditional coastal infrastructure and hybrid coastal infrastructure

Learn how to put coastal resilience into practice

Continuing Education Credits

Professional Engineers
7.0 PDHs

Architects
7.0 HSW Contact Hours
7.0 AIA HSW Learning Units

Contractors
Non-Credit Continuing Ed.



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Faculty



Dave Hampton, Jr. *Owner and Principal re:ground llc | resiliency strategies Medford, Massachusetts*
re:ground llc is a resilience strategies consultancy which involves everyday people in climate adaptation by integrating natural systems and built environments.

Mr. Hampton has over 20 years of design, construction administration, planning and adaptation experience. His work abroad includes Haiti, where he led post-earthquake recovery and redevelopment for Architecture for Humanity and J/P Haitian Relief Organization. Mr. Hampton contributed environmental resilience strategies to the Fond des Blancs Town Center Strategic Plan for Build Health International. In post-Hurricane Maria Dominica, he coordinated housing recovery for the UN International Organization for Migration (IOM).

His work in the U.S. includes the design and construction administration for five senior centers for the City of Chicago Department on Aging, public engagement in Bridgeport, Connecticut for Rebuild by Design and contribution to a finalist entry for the Boston Living with Water competition, which proposed scalable and replicable disaster risk financing, regulatory intervention, and adaptation strategies. Mr. Hampton holds a master of Design Studies degree in Risk and Resilience from Harvard Graduate School of Design, and a bachelor's degree in Architecture from Virginia Tech. He is co-chair of the Boston Society of Architects Committee on Resilient Environments (CORE). Mr. Hampton is currently working with Clarendon Hill Consulting for the Town of Nahant as a Massachusetts Municipal Vulnerability Preparedness (MVP) Program certified provider.

Seminar Information

Hilton Garden Inn
420 Totten Pond Road
Waltham, MA 02451
(781) 890-0100

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (on your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 5:00 pm

Tuition
\$289 for individual registration
\$269 for three or more registrations.

Included with your registration: Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 HSW contact/continuing education hours to architects and 7.0 PDHs to engineers in all states. Educators and courses for Massachusetts architects are not subject to pre-approval.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GPO0000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

This seminar offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state with a construction contractor continuing education requirement.

Attendance will be monitored and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series

HEC-RAS Webinar Series

- **Hydraulic Principles and Applications**
Tues., April 2, 2019, 11:00 AM - 1:00 PM CDT
- **Working with the HEC-RAS User Interface**
Tues., April 2, 2019, 1:30 - 3:00 PM CDT
- **Water Surface Profiling**
Wed., April 3, 2019, 11:00 AM - 1:00 PM CDT
- **Steady Flow Surface Profile Demonstrations**
Wed., April 3, 2019, 1:30 - 3:30 PM CDT

Wood Construction

- **Design Specifications, Building Codes and Design Values**
Thurs., April 4, 2019, 11:00 AM - 12:30 PM CDT
- **Structural Sawn Lumber, Composite Lumber and Laminated Timber**
Thurs., April 4, 2019, 1:00 - 2:30 PM CDT
- **Prefabricated Wood I-Joists Trusses**
Fri., April 5, 2019, 11:00 AM - 12:30 PM CDT
- **Connectors and Fire Protection Design**
Fri., April 5, 2019, 1:00 - 2:30 PM CDT

Off-Grid Master Class

- **Off-Grid Master Class, Part I**
Wed., April 17, 2019, 11:00 AM - 2:15 PM CDT
- **Off-Grid Master Class, Part II**
Thur., April 18, 2019, 11:00 - 2:15 PM CDT

Soil Engineering

- **Introduction to Soil Engineering**
Thurs., April 25, 2019, 11:00 AM - 12:30 PM CDT
- **Design of Excavation Support Systems**
Thurs., April 25, 2019, 1:00 - 2:30 PM CDT
- **Slope Repair Techniques**
Fri., April 26, 2019, 11:00 AM - 12:30 PM CDT
- **Soil Engineering after College: Practical Approaches to Foundations and Retaining Structures**
Fri., April 26, 2019, 1:00 - 2:30 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

Planning & Building for Coastal Resilience

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900		Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
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Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. Attach duplicates if necessary.		Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
		() I need special accommodations. Please contact me.

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

() **I am not attending.** Please send me the self-study package:

- Downloadable MP3 Audio/PDF Manual for **\$269.00**.
- CD/Manual Package for **\$289.00**.

(S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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