

Agenda

Presented by Dr. Jairo Garcia

Current and Anticipated Climate Effects on Structures and Communities

- Changing climate zones
- Changing weather patterns
- Forecasting future climate change effects
- Effect of actions to slow or reverse climate change

Assessing the Impact of Sea Level Rise on Georgia's Built Environment

- Reviewing scientific projections
- Revising flood plain maps
- Assessing insurance risks
- Adapting future building plans to sea level changes

Assessing the Impact of Changing Temperature and Weather Patterns

- Understanding the practical impact of annual average temperature changes
- Impact on heating, ventilation and air conditioning
- Impact on landscape, heat island effect
- Impact on transportation systems and infrastructure
- Public health impacts

Studying the Impact of Extreme Weather Events on Structures and Communities

- Study of hurricanes and recent weather events
- Forecasting the types and intensities of future weather events
- Current actions to mitigate impacts, preserve structures and protect infrastructure
- Insurance and regulatory impacts

Adapting Sites and Outdoor Spaces to Withstand Extreme Temperature and Weather Events

- Existing initiatives toward sustainable sites
- Specific strategies for individual sites
- Strategies for communities and municipalities

Adapting New Construction and Retrofitting Existing Buildings to Withstand Extreme Weather Events

- Adapting/revising coastal construction guidelines
- Adapting/revising building codes
- Implementing design strategies to protect new and existing structures

Designing for Climate Resiliency
Atlanta, GA - Thursday, December 20, 2018

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PO Box 278
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Learning Objectives

You'll be able to:

Explore current and anticipated climate change effects on structures and communities.

Understand the practical impact of annual average temperature changes.

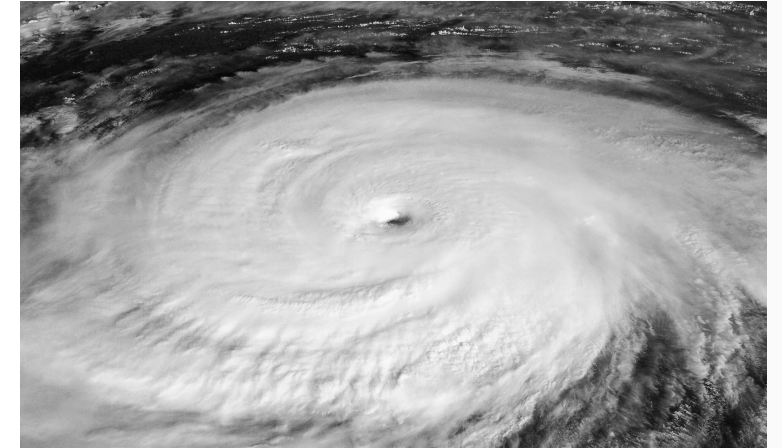
Review current actions to mitigate impacts of extreme weather events on infrastructure.

Consider strategies that communities and municipalities can employ to withstand extreme temperature and weather events.



Designing for Climate Resiliency

Atlanta, GA - Thursday, December 20, 2018



Examine the current and anticipated climate effects on structures and communities

Assess the impact of changing temperature and weather patterns on Georgia's built environment

Consider the impact of extreme weather events on structures and communities

Learn how to adapt new construction and existing buildings and spaces to withstand extreme temperature and weather events

Continuing Education Credits

Professional Engineers

6.5 PDHs

Floodplain Managers

6.5 ASFPM CECs

Architects

6.5 PDUs (Public Protection)
6.5 AIA HSW Learning Units

Contractors

Non-Credit Continuing Ed.



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Faculty

Dr. Jairo Garcia is an expert in urban sustainability, climate change, and sustainability education. Dr. Garcia develops innovative policies and educational programs to make communities and cities cleaner, sustainable, resilient, and equitable. He is the lead author of Atlanta’s Climate Action Plan and led a collaborative effort with more than 40 stakeholders to the 100 Resilience Cities application, awarded to the City of Atlanta in 2016. Dr. Garcia is a member of the Georgia Research Roadmap steering committee, an initiative of the Georgia Climate Project lead by University of Georgia, Georgia Tech, and Emory University, which has a goal of improving understanding of climate impacts and solutions in Georgia.

Dr. Garcia received the Individual Climate Leadership Award by the EPA under President Obama in 2017. This award recognized Dr. Garcia’s leadership in addressing climate change and engaging organizations, peers, and partners. He represented the Mayor of Atlanta at COP23 in Bonn, Germany, and presented at an event organized by the International Urban Cooperation Programme related to global cooperation to address climate change.

Dr. Garcia’s publications on urban sustainability, climate change, and sustainability education are numerous. His academic experiences include a position as a research assistant for the Earth Institute at Columbia University in New York City. His teaching experience includes two teaching assistant positions at Columbia University, a faculty adjunct and thesis advisor position at Concordia University, and an instructor position for the UCLA-Extension program in Global Sustainability. Dr. Garcia holds an engineering degree, an MSc degree in Management of Information Technologies from Syracuse University, an MSc degree in Sustainability Management from Columbia University, and a doctoral degree in Educational Technology and Sustainability from Pepperdine University.

Seminar Information

Embassy Suites - Galleria
2815 Akers Mill Road SE
Atlanta, GA 30339
(770) 984-9300

Tuition
\$279 for individual registration
\$259 for three or more registrations.

Each registration includes a 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 CD/manual package. You may also send another person to take your place.

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.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers, 6.5 Public Protection PDUs to architects in Georgia. Educators and courses are not subject to preapproval in Georgia.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Provider No. J885). Only full attendance can be reported to the AIA/CES.

Engineers and architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

The Association of State Floodplain Managers has approved this course for 6.5 CECs.

This seminar also offers a non-mandatory continuing education opportunity for contractors. It has not been reviewed by any state contractor licensing entity.

Additional Learning

Webinar Series

- Cogeneration System Principles and Practice**
- **Understanding the Benefits of Cogeneration**
Thurs., Nov. 8, 2018, 11:00 AM - 12:30 PM CST
 - **Laws, Regulations and Building Codes Impacting Cogeneration**
Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CST
 - **Examining Cogeneration Technologies**
Fri., Nov. 9, 2018, 11:00 AM - 12:30 PM CST
 - **Moving to Cogeneration: Analysis, Modeling and Case Studies**
Fri., Nov. 9, 2018, 1:00 - 2:30 PM CST

- Shallow Foundation Design and Construction**
- **Evaluating Building Sites**
Wed., Nov. 14, 2018, 11:00 AM - 12:30 PM CST
 - **Shallow Foundation Design**
Wed., Nov. 14, 2018, 1:00 - 2:30 PM CST
 - **Special Considerations in Foundation Design and Construction**
Thurs., Nov. 15, 2018, 11:00 AM - 12:30 PM CST
 - **Soil Improvement and Foundation Diagnosis and Repair**
Thurs., Nov. 15, 2018, 1:00 - 2:30 PM CST

- Roadway Design**
- **Roadway Design**
Thurs., Nov. 29, 2018, 11:00 AM - 12:30 PM CST
 - **Roadway Design Process**
Thurs., Nov. 29, 2018, 1:00 - 2:00 PM CST
 - **Typical Roadway Sections and Alignment**
Fri., Nov. 30, 2018, 11:00 AM - 1:30 PM CST
 - **Intersections, Drainage and Pedestrian-Bicycle Facilities**
Fri., Nov. 30, 2018, 2:00 - 3:30 PM CST

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

Can’t Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

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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: _____
Fax: 715-835-6066	Name: _____ Occupation: _____ Email: _____ Phone: _____
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 - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the 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.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

Email: _____