

Credit and Webinar Information

Designing for Climate Resilience

This webinar offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects licensed in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina (S-0130), and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .7 CEUs in the specialty area of Sustainability (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to all prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

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 on the same device 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 available for download and printing upon completion of a follow-up quiz with at least 80% accuracy (multiple attempts allowed).

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. For more information, including system requirements, please visit the "Support" section at www.gotowebinar.com.***

To register, view detailed presenter biographies, and see other learning opportunities, please visit:

www.halfmoonseminars.org

or call our Customer Service Department at (715) 835-5900

Sustainability and Climate Resilience Live Webinars *For Architects, Engineers and more!*

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278



Live, Interactive Webinars

How to Build a Sustainable Future

- Thursday, March 11, 2021 | 11:00 am - 2:15 pm CST

Introduction to Green Infrastructure

- Wednesday, March 17, 2021 | 11:00 am - 2:30 pm CDT

- Thursday, March 18, 2021 | 11:00 am - 2:30 pm CDT

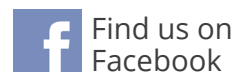
The Energetics of Space: Modern and Ancient Approaches to the Built Environment

- Thursday, March 18, 2021 | 1:00 - 3:00 pm CDT

Designing for Climate Resilience

- Thursday, March 25, 2021 | 11:00 am - 2:45 pm CDT

- Friday, March 26, 2021 | 11:00 am - 2:45 pm CDT



HalfMoon Education Online Learning Sustainability and Climate Resilience Live Webinars *For Architects, Engineers and more!*



Designing for Climate Resilience

Thursday, March 25, 2021 | 11:00 am - 2:45 pm CDT

Friday, March 26, 2021 | 11:00 am - 2:45 pm CDT

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours

AIA: 7.0 LU | HSW International Code Council: .7 CEUs (Sustainability)

How to Build a Sustainable Future

Thursday, March 11, 2021 | 11:00 am - 2:15 pm CST

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours

Introduction to Green Infrastructure

Wednesday, March 17, 2021 | 11:00 am - 2:30 pm CDT

Thursday, March 18, 2021 | 11:00 am - 2:30 pm CDT

Credits: Professional Engineers: 6.5 PDHs

Landscape Architects: 6.5 HSW CE Hours, Except FL, NJ, NC

LA CES: Pending Floodplain Managers: 6.5 ASFPM CECs

Architects: 6.5 HSW CE Hours AIA: Pending

The Energetics of Space: Modern and Ancient Approaches to the Built Environment

Thursday, March 18, 2021 | 1:00 - 3:00 pm CDT

Credits: Professional Engineers: 2.0 PDHs

Architects: 2.0 CE Hours (Non-HSW) AIA: 2.0 LU | Elective

International Code Council: .2 CEUs (Building)



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG

AIA
Continuing
Education
Provider



Designing for Climate Resilience

Thursday, March 25 and Friday, March 26, 2021

Tuition: \$289 per registrant, \$199 per registrant for three or more

Day One: Thursday, March 25, 2021

11:00 am - 2:45 pm CDT (incl. a 15-min. break)

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, Changing Temperature and Changing Weather Patterns

- Impact of sea level rise on the built environment
 - Reviewing scientific projections
 - Revising flood plain maps
- Assessing insurance risks
- Adapting future building plans to sea level changes
- 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

Day Two: Friday, March 26, 2021

11:00 am - 2:45 pm CDT (incl. a 15-min. break)

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, Outdoor Spaces, New Construction and Existing Buildings to Withstand Extreme Weather Events

- Adapting sites and outdoor spaces
 - Existing initiatives toward sustainable sites
 - Specific strategies for individual sites
 - Strategies for communities and municipalities
- Adapting new construction and retrofitting existing buildings
 - Adapting/revising coastal construction guidelines
 - Adapting/revising building codes
 - Implementing design strategies to protect new and existing structures

21 USD4CLM1 3 25 WEBR TC - 21 USD4CLM2 3 26 WEBR TC

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours
AIA: 7.0 LU | HSW International Code Council: .7 CEUs (Sustainability)

Presented by

Presented by Dr. Jairo Garcia

*Sustainable Cities & Climate Change Specialist,
Co-Chair of the Climate Reality Project: Atlanta, GA Chapter*

Dr. 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. He received the Individual Climate Leadership Award by the EPA 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 and two teaching assistant positions at Columbia University, a faculty adjunct and thesis advisor position at Concordia University, and faculty adjunct positions for the UCLA-Extension Program, the Georgia Institute of Technology and Johns Hopkins University. 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.

To register, view detailed presenter biographies,
and see other learning opportunities, please visit:

www.halfmoonseminars.org

or call our Customer Service Department at (715) 835-5900

Can't Attend? Order webinar as a Self-Study Package!

Recordings of each webinar are available for purchase. Visit us online 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.

Additional Learning

How to Build a Sustainable Future

Thursday, March 11, 2021 | 11:00 am - 2:15 pm CST (incl. a 15-min. break) Tuition: \$150

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU | HSW

Agenda Highlights:

The Past and the Present

- Introduction: the human evolutionary capacity to plan the future
- The scientific method to build the future
- Brief history of the 20th Century
- The science of climate change
- The planet in the times of the pandemic: economic inequalities, climate change, and COVID
- A brief history of sustainability

The Future

- Economic principles of sustainability
- The sustainable development goals
- The IPCC and science-based targets
- The future is happening
- Conclusions: a sustainable future is not an option

Presented by Dr. Jairo Garcia *Sustainable Cities & Climate Change Specialist,
Co-Chair of the Climate Reality Project: Atlanta, GA Chapter*

21 USH2BSTF 3 11 WEBR TC

Introduction to Green Infrastructure

Wednesday, March 17, 2021 | 11:00 am - 2:30 pm CDT (incl. a 15-min. break) Tuition: \$289
Thursday, March 18, 2021 | 11:00 am - 2:30 pm CDT (incl. a 15-min. break)

Credits: Professional Engineers: 6.5 PDHs
Landscape Architects: 6.5 HSW CE Hours, Except FL, NJ, NC
LA CES: 6.5 HSW PDHs Floodplain Managers: Pending
Architects: 6.5 HSW CE Hours AIA: 6.5 LU | HSW

Agenda Highlights:

- Traditional city development: systems and impacts
- Regenerating cities with natural systems
- What is green infrastructure?
- Places to watch

Presented by Paul W. Lander, PhD, MLarch, LEED A.P.

*Over 35 years of conservation experience in land, energy, and water,
including directing the City of Boulder's award-winning water conservation program*

21 USI2GSW1 3 17 WEBR TC - 21 USI2GSW2 3 18 WEBR TC

The Energetics of Space: Modern and Ancient Approaches to the Built Environment

Thursday, March 18, 2021 | 1:00 - 3:00 pm CDT Tuition: \$100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 CE Hours (Non-HSW)
AIA: 2.0 LU | Elective International Code Council: .2 CEUs (Building)

Agenda:

- A new frame of reference for thinking about building and design
- Insight into the past and how it can inform contemporary design
- An understanding of subtle energy
- Modern and ancient approaches to forming and informing the built environment uncommon to today's practice
- How design and technology affect human and environmental health

Presented by Ariel Steuer, ASID, NCIDQ *Interior Designer, The Kubala Washatko Architects*
21 USDDSPC 3 18 WEBR TC