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Sustainable Site Design
Atlanta, GA - Friday, March 20, 2020

Examine rules, regulations, certifications and resources for sustainable site design
Learn the health and environmental impacts of light pollution
Examine key principles for ecological site design
Discuss sustainable stormwater management techniques
Explore bird-friendly building design
Incorporate pollinator-friendly habitats

Learning Objectives

You’ll be able to:

Review the Sustainable Sites Initiative and principles of low impact development and the new urbanism.
Adopt practices that will reduce light pollution while preserving the safety impacts of outdoor lighting.
Adopt site design practices that incorporate the sciences of conservation biology, landscape ecology and restoration ecology.
Use sustainable stormwater management techniques, such as stormwater harvesting and infiltration.
Consider pollinator-friendly and bird-friendly practices in site design.

Agenda

Rules, Regulations, Certifications and Resources
Sustainable Sites Initiative
Principles of low impact development
New urbanism
Aesthetic, energy-efficiency and health benefits

Light Pollution Reduction
Defining light pollution
Safety, health and environmental impacts of outdoor lighting
Outdoor lighting ordinances
Light pollution reduction techniques

Ecology and Site Design
Conservation biology
Landscape ecology
Restoration ecology

Sustainable Stormwater Management
Stormwater requirements and permitting
Stormwater harvesting and reuse
Infiltrating stormwater
Rain gardens

Pollinator-Friendly Design
Native pollinators
Pollinator decline
Habitat restoration/enhancement

Bird-Friendly Building Design
Glass construction: problems and solutions
Lighting efficiency and design

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Bird-Friendly Building Design
Glass construction: problems and solutions
Lighting efficiency and design
Faculty

Dr. Jairo Garcia is an expert in urban sustainability, climate change and sustainable education. Dr. Garcia develops innovative policies and educational programs to make communities 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 led 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.

Sustainable Site Design
Atlanta, GA – Friday, March 20, 2020

How to Register
Online: www.halfmoonseminars.org
Phone: 715-835-5900
Fax: 715-835-6066
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278
Complete the entire form. Attach duplicates if necessary.

Registration Sustainable Site Design

Atlanta, GA - Friday, March 20, 2020

Tuition

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Designing for Climate Resilience</td>
<td>Fri., Feb. 28, 2020, 1:00 - 3:00 PM CST</td>
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<tr>
<td>Current and Anticipated Climate Effects on Structures and Communities</td>
<td>Thurs., Feb. 27, 2020, 11:00 AM - 12:30 PM CST</td>
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<tr>
<td>Assessing the Impact of Sea Level Rise, Changing Temperature and Changing Weather Patterns</td>
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<td>Studying the Impact of Extreme Weather: Events on Structures and Communities</td>
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</tbody>
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For more information and other online learning opportunities visit www.halfmoonseminars.org/webinars/

For complete AIA/CES course information under this seminar listing. Only full attendance is reportable to the AIA/CES.

Professionals, landscape architects, 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.

The American Institute of Architects Continuing Education System has approved this course for 6.5 HSW PDUs. Only full attendance is reportable to the LA/CES.

Continuing Education Credit Information
This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 Public Protection Protection PDHs/HSW continuing education education hours to landscape architects and architects in Georgia. Educators and courses are not subject to preapproval in Georgia.

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Webinar Series

Foundations in Cold Regions
• Introduction to Foundations in Cold Regions
  Thurs., Feb. 20, 2020, 11:00 AM - 12:30 PM CST
• Shallow Foundation Design in Cold Regions
  Thurs., Feb. 20, 2020, 1:00 - 2:00 PM CST
• Deep Foundation Design in Cold Regions
  Fri., Feb. 21, 2020, 11:00 AM - 12:30 PM CST
• Foundation Construction in Cold Regions
  Fri., Feb. 21, 2020, 1:00 - 2:00 PM CST

Soil Mechanics and Slope Stability
• Soil Investigation and Classification
  Tues., Feb. 25, 2020, 11:00 AM - 1:00 PM CST
• Reviewing Hydraulic and Mechanical Properties of Soils
  Tues., Feb. 25, 2020, 1:30 - 3:00 PM CST
• Determining and Increasing Bearing Capacity
  Wed., Feb. 26, 2020, 11:00 AM - 1:00 PM CST
• Determining and Increasing Slope Stability
  Wed., Feb. 26, 2020, 1:30 - 3:00 PM CST

Designing for Climate Resilience
• Current and Anticipated Climate Effects on Structures and Communities
  Thurs., Feb. 27, 2020, 11:00 AM - 12:30 PM CST
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