Presented by Jairo H. Garcia, Ph.D.

Returning Natural Areas to the Landscape
Natural land systems before development
How much natural area has been lost to development?
Benefits of restoring natural areas
What is ecological restoration?
Micro and macro benefits of restoration
Restoration on micro and macro scales
Raising the issue of restoration with clients

Site Evaluation and Project Design
Federal state and local laws and regulations on wetlands,
development and ecological issues
Setting restoration goals
Setting project objectives
Evaluating project site
Removing sources of disturbance
Restoring ecological processes
Restoring soil and water
Restoring vegetation
Monitoring and maintenance

Implementing Ecological Rehabilitation Plans
Permitting and regulatory compliance
Construction process
Evaluation, review and troubleshooting

Monitoring and Management
Monitoring criteria and techniques
Long-term project management
Troubleshooting ecological threats
Outside-the-box management techniques

Restoration Project Case Studies

Learning Objectives

You’ll be able to:

Return developed areas back to natural land systems.
Explore the micro and macro benefits of land restoration.
Evaluate sites for potential restoration and discuss design criteria.
Comply with federal, state and local regulations.
Restore soil, water, vegetation and ecological processes.
Build resilient ecosystems that yield long-term benefits.

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Webinar Information

Online - Friday, July 12, 2024
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8:00 - 8:30 am CDT | 11:45 am - 12:15 pm CDT | 8:30 - 11:45 am CDT | 12:15 - 4:30 pm CDT
Tuition
$339 for individual registration.
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Credit Information

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers, 7.0 HSW continuing education hours for licensed architects, and 7.0 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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

HalfMoon Education is an approved CM Provider with the American Planning Association. This course is registered for CM | 7 for Certified Planners.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits
The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:

- 7.0 HSW LUs (AI) | 7.0 HSW PDHs (LA CES)

Faculty

Jairo H. Garcia, Ph.D.
Executive Director, Urban Climate Nexus

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 research from Georgia. He received the Individual Climate Leadership Award by the EPA in 2017 and the Green Ring Award by the Climate Reality Project. These awards 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, an MSc degree in Sustainability Management, and a doctoral degree in Educational Technology and Sustainability.

Additional Learning

Designing to Withstand Tornadic Loads on Buildings
- Monday, June 17, 2024 | 9:00 am - 4:00 pm CDT

How to Design, Construct and Maintain a Mechanically Stabilized Earth (MSE) Wall
- Tuesday, June 18, 2024 | 9:00 am - 12:00 pm CDT

Mastering RFQ & RFP Responses: Crafting Winning Proposals
- Tuesday, June 18, 2024 | 1:00 - 3:00 pm CDT

Barrier-Free Requirements in Outdoor Spaces
- Monday, June 24, 2024 | 2:00 - 4:00 pm CDT

Brownfields Assessments, Grants and Redevelopment Opportunities
- Tuesday, June 25, 2024 | 1:00 am - 12:00 pm CDT