

Agenda

Role of the Landscape Architect as an Advocate for the 'Human' Within Cities

Z. Christeson

Smart cities and campuses
Autonomous vehicle impact
Planning for healthy places/public health

State and Federal Site Contamination Law

C. Thornton

Discovering existing soil and/or groundwater contamination
Understanding applicable rules and regulations
Brownfield development

Developments in Stormwater Management: Low Impact Development

S. Albert,
D. Batts

Bioretention design standards
Lessons learned
Managing construction issues
Maintenance minded design strategies

Focus on Sustainability: Making a Case for Rainwater Harvesting

D. Batts,
S. Albert

Designing with the return on investment in mind
When to use surface, sub-surface and above ground systems
Increasing water supply across the site
Decreasing water demand across the site
Filtering and pretreating water prior to storage

Accessibility Standards for Exterior Spaces

D. Darr

Which standards apply

- 2010 ADA standards
- 2012 Texas Accessibility Standards (TAS)
- Fair Housing Guidelines
- Building Codes/ANSI A117.1

When do standards apply

- Existing facilities
- New construction
- Alterations

Accessibility Requirements

- Accessible routes
- Protruding objects
- Accessible site elements
- Swimming pools
- Play areas

Current Issues in Texas Landscape Architecture
Houston, TX - Tuesday, February 27, 2018

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Learning Objectives

You'll be able to:

Consider impact of landscape architecture in relation to smart cities and campuses, autonomous vehicles and planning for human health.

Understand applicable rules and regulations related to site contamination law.

Consider when to use surface, sub-surface and above ground rainwater harvesting systems.

Examine accessibility standards for exterior spaces and learn when they apply.

Explore bioretention design standards and other stormwater management issues for low impact development.



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Continuing Education Credits

Texas Landscape Architects

8.0 HSW CEPHS
(1.0 SD Hour; 1.0 BF Hour)
8.0 LA CES HSW PDHs



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Faculty

Zachary Christeson LEED AP is vice president and senior landscape architect with HOK in Houston. Mr. Christeson, a registered landscape architect, has extensive experience in the planning and design of corporate environments, academic campuses, public institutions, mixed-use districts, residential communities and medical facilities throughout the US, Asia and the Middle East. During his 15-year tenure, he has provided project leadership on numerous landscape architecture and master planning projects. Mr. Christeson is a member of the American Society of Landscape Architects. As a LEED accredited Professional, he is an expert in understanding the role of the landscape architect in the integrated design process.

Cory R. Thornton is an attorney with Crain Caton & James who represents clients in environmental, health and safety (EHS) matters. His practice is broad-based, assisting clients with regulatory compliance, EHS litigation, and transactional matters. Mr. Thornton advises clients on air, waste, and water compliance issues in Texas, throughout the United States, and internationally. He counsels clients in corporate and real estate transactions regarding environmental assessments, due diligence, and contractual arrangements for protection against environmental liabilities. He also represents clients in civil and administrative proceedings, involving such issues as violations of state and federal law, cost recovery actions under state and federal Superfund laws, and tort claims for property damage and personal injury. Mr. Thornton routinely advocates for clients in front of the Environmental Protection Agency (EPA), Texas Commission on Environmental Quality (TCEQ), Occupational Health & Safety Administration (OSHA), Railroad Commission (RRC), Pipeline Hazardous Materials Safety Administration (PHMSA), and other federal and state agencies. He works closely with third party consultants in corporate EHS audits and those

under the Texas Environmental, Health & Safety Audit Act.

Steven F. Albert, P.E., CFM serves as a Principal in Sherwood Design Engineers' Houston office. He has practiced civil engineering for 40 years with the past 20 years focused on the effective application of Low Impact Development (LID) and sustainable design techniques applied to a wide variety of public and private development projects. Mr. Albert has extensive experience in land and site development, stormwater management design, stormwater system modeling, grading, water distribution, and sanitary sewer systems. He has led and participated within integrated site design teams and has collaborated with architects, landscape architects, ecologists, regulators, and environmental specialists. Almost all of his projects adapt LID methods for stormwater runoff quantity reduction and quality enhancement applied to residential subdivisions, commercial developments, institutional campus master plans, and individual building sites. Mr. Albert is an active lifetime member of ASCE and serves as the Sustainability Committee Chair for the Houston Branch. He is also a member of the Steering Committee of the Houston Land/Water Sustainability Forum. Past affiliations include serving as an Advisor to the Conservation Foundation of Naperville, IL and on the Naperville Plan Commission and Riverwalk Commission. Mr. Albert has made presentations in LID methods to numerous and diverse professional and trade groups focused on the cost-effective use of LID methods.

David Batts LEED AP is director of Construction EcoServices, System Sales in Houston. Mr. Batts is a veteran in the exploration of how low impact development (LID) can drastically impact not only the ecology of a given development, but also the economics. He is a co-founder of the Texas Land/Water Sustainability Forum, a non-profit, collaborative effort among local regulators, decision-makers, and design professionals to explore ideas, methods,

materials, and technologies related to the sustainability of land and water in Texas' growing urban environment. By working through both the non-profit and for a construction company that specializes in LID design and construction, Mr. Batts has a unique perspective on how LID should be implemented from both the regulator and contractor levels.

Douglas W. Darr an architect/accessibility specialist with Accessibility Check. Mr. Darr received a Bachelor of Architecture degree from Texas A & M University. He is a licensed Architect in Texas and is NCARB certified. Mr. Darr is also a registered accessibility specialist in Texas and a certified ICC accessibility inspector/plans examiner. His architectural career was primarily centered on the production and quality assurance of construction documents for a wide variety of project types both large and small, simple and complex. His project experience covers residential, commercial, and institutional facilities both in the private sector as well as the public sector. In 1986 he formed his own firm, Douglas W. Darr, Architect. Experience in the use of codes and standards during his architectural career led to formation of Accessibility Check in January 1995, teaming up with wife Teresa L. Darr, AIA. Accessibility Check offers a variety of services centered on accessible design and compliance issues involving TAS, ADA and ABA Accessibility Guidelines, UFAS, ANSI A117.1, and the Fair Housing Act. In addition to plan reviews and inspections, the firm offers existing building and facility assessment reports, accessibility training seminars, and accessibility consultation services. Mr. Darr is a charter member of the Accessibility Professionals Association (APA) and has been actively involved in that organization from its inception. He has served in several leadership roles, including president, and currently serves as a member of the Technical Standards Committee. He holds an APA "ADA Specialist" designation from the organization.

Additional Learning

February Webinar Series

Building Operations and Efficiency

- **Identifying Energy Efficiency Opportunities in Major Renovations**
Thurs., Feb. 1, 2018, 11:00 AM - 12:30 PM CST
- **Integration of "Energy Modeling" in the Design of High Performance Buildings**
Thurs., Feb. 1, 2018, 1:00 - 2:30 PM CST
- **High Efficiency Building Design Standards**
Fri., Feb. 2, 2018, 11:00 AM - 12:30 PM CST
- **Commissioning and Operation of High Performance Buildings**
Fri., Feb. 2, 2018, 1:00 - 3:00 PM CST

NFPA 70E

- **NFPA 70E, Part I**
Thurs., Feb. 8, 2018, 11:00 AM - 3:30 PM CST
- **NFPA 70E, Part II**
Fri., Feb. 9, 2018, 11:00 AM - 3:30 PM CST

For more information visit:
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Registration

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Complete the entire form. Attach duplicates if necessary.	
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Seminar Information

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Tuition

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Continuing Education Credit Information

This seminar is open to the public. It offers 8.0 HSW CEPhs, including 1.0 sustainable design hour and 1.0 barrier-free hour, to Texas landscape architects. Educators and courses are not subject to preapproval in Texas.

This seminar is approved by the Landscape Architecture Continuing Education System for 8.0 HSW PDHs.

Landscape architects with continuing education requirements in other states will be able to claim the hours earned at this event, in most cases. Refer to specific state rules to determine eligibility.

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.

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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.