

Agenda

Presented by Bradley Guy Assoc. AIA, LEED AP BD+C, SEED

Purposes and Benefits of Demolition and Deconstruction

- Overview of US building stock: resources or liabilities?
- Value proposition for deconstruction / reuse
- Impact of building codes and standards, economic factors
- Demolition
 - Demolition procedures
 - Effects of demolition: cost, schedule, environmental and health impacts
- Deconstruction
 - Deconstruction procedures
 - How deconstruction affects the budget and the schedule
 - Environmental impacts
 - Historical preservation considerations
- Regional considerations for feasibility of deconstruction
- Marketing deconstruction to owners, developers
- Legislation, green building, tax incentives

Markets/Uses for Deconstructed Materials

- Preparing deconstructed materials for reuse
- Reuse hierarchy
- Valuation of materials
- Markets for materials
- Design to use reclaimed materials
- Networks for reuse

Material-Specific Deconstruction Methods

- Management and logistics
- Soft-strip (aka “cherry-picking”)
- Wood
 - Steel
- Masonry
 - Concrete
- Roofing materials
 - Doors and windows
- HVAC equipment
 - Mechanical, electrical, plumbing (MEP)
- Interior finishes

Planning and Conducting a Deconstruction

- Deconstruction survey/site assessment, planning
- Deconstruction specification and management plan
- Time-based salvage (short selective versus whole building)
- Regulatory compliance - safety, health and environmental issues
- Contracts and permits
- Locating labor and markets
- Materials disposition and close-out
- Monitoring the deconstruction process
- Cost-benefit analysis

Deconstruction vs. Demolition
Fairfax, VA - Tuesday, October 9, 2018



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Learning Objectives

You'll be able to:

- Learn** about purposes and benefits of demolition and deconstruction.
- Explore** regional considerations for feasibility of deconstruction.
- Discuss** markets/uses for deconstructed materials.
- Examine** deconstruction methods for wood, steel, concrete, masonry, roofing, HVAC equipment and plumbing and electrical systems.
- Get** tips on planning and conducting a deconstruction.



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- Learn** about purposes and benefits of demolition and deconstruction
- Explore** regional considerations for feasibility of deconstruction
- Discuss** markets/uses for deconstructed materials
- Examine** material-specific deconstruction methods
- Review** planning and conducting a deconstruction

Continuing Education Credits

- Professional Engineers**
6.5 Continuing Ed. Hours
- Contractors**
Non-Credit CE Opportunity
- Architects**
6.5 Continuing Ed. Hours (HSW)
6.5 AIA HSW Learning Units



Faculty

Bradley Guy, Assoc. AIA, LEED AP BD+C, SEED

Mr. Guy is an associate professor of practice and director of the MS in Sustainable Design program, School of Architecture and Planning, The Catholic University of America (CUArch), Washington, DC. He is also the director of the Center for Building Stewardship, and director of the MS in Facilities Management program at CUArch. Mr. Guy’s teaching and research focus on sustainable and healthy materials and C&D waste, life cycle assessment, prefabrication and modular design, design to use reclaimed materials, design for deconstruction, and building deconstruction. In 2005, he co-founded the Building Materials Reuse Association, and he has conducted deconstruction projects throughout the US. Mr. Guy was a member and chair of the USGBC Materials and Resources Technical Advisory Group for the development of LEED v4, and is currently a member of the USGBC LEED Social Equity Pilot Credit Working Group, and the AIA Materials Knowledge Working Group. He is also a US representative of the US ASTM TAG to the working group for development of the ISO 20887 Design for Adaptability and Disassembly Standard. Mr. Guy was co-editor for the book “Construction Ecology,” and co-author of a book on building deconstruction titled, “Unbuilding: Salvaging the Architectural Treasures of Unwanted Houses”. He also wrote the on-line “Design for Disassembly in the Built Environment” guide for King County, Washington. Mr. Guy has a M.S. degree in Architectural Studies from the University of Florida, and a B.Arch. degree from the University of Arizona, and he is an associate member of the AIA and a USGBC LEED AP BD+C.

Seminar Information

Hilton Garden Inn Fairfax
3950 Fair Ridge Drive
Fairfax, VA 22033
(703) 385-7774

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (on your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 4:30 pm

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.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 continuing education hours to engineers and 6.5 (HSW) continuing education hours to architects in all states, except Florida architects. Educators and courses are not subject to preapproval in Virginia.

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

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, 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.

This seminar offers a continuing education opportunity to construction contractors but has not been approved by any state contractor licensing entity.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire program. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series

Community Solar and Rooftop Solar

- **Community Solar**
Wed., Sept. 5, 2018, 11:00 AM - 2:15 PM CDT
- **Design Your Solar Roof**
Thurs., Sept. 6, 2018, 11:00 AM - 2:15 PM CDT

Seismic Design and Construction

- **Seismology and Building Codes**
Wed., Sept. 12, 2018, 11:00 AM - 3:30 PM CDT
- **Seismic Design of Building Structures**
Thurs., Sept. 13, 2018, 11:00 AM - 3:30 PM CDT

Small Wind Energy Systems

- **Small Wind Energy System Components**
Thurs., Sept. 20, 2018, 11:00 AM - 1:00 PM CDT
- **Small Wind Energy Siting and Sizing**
Fri., Sept. 21, 2018, 11:00 AM - 1:00 PM CDT

International Green Construction Code

- **Introduction to the International Green Construction Code (IgCC)**
Thurs., Sept. 20, 2018, 11:00 AM - 12:30 PM CDT
- **Chapters 4-5: Site Development and Material Use**
Thurs., Sept. 20, 2018, 1:00 - 2:30 PM CDT
- **Chapters 6-9: Energy, Water, Environmental Quality and Building Commissioning**
Fri., Sept. 21, 2018, 11:00 AM - 12:30 PM CDT
- **Chapters 10-11: Existing Buildings**
Fri., Sept. 21, 2018, 1:00 - 2:30 PM CDT

Slope Stabilization and Landslide Prevention

- **Analyzing the Stability of Slopes**
Tues., Sept. 25, 2018, 11:00 AM - 2:15 PM CDT
- **Slope Stabilization Methods**
Thurs., Sept. 27, 2018, 11:00 AM - 2:15 PM CDT

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

Deconstruction vs. Demolition

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Complete the entire form. Attach duplicates if necessary.	
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() 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)

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