Foundation Damage and Repair:
Science, Materials and Techniques
Salt Lake City, UT - Friday, May 31, 2019

Learning Objectives

You’ll be able to:
Understand the impact of soils on structures.
Explore typical loads on foundations, including gravity loads and soil loads, and discuss the effects of water on foundation integrity.
Identify common foundation types throughout Utah, and identify causes of foundation settlement.
Talk about the design and construction of footings, slabs, basement walls and retaining walls.
Get tips on evaluating and repairing foundation damage, and explore the foundation repair process.

Foundation Features, Materials and Functionality
M. Roblez
Design and construction of shallow foundations
- Continuous wall footings, column footings
Design and construction of slab foundations
Design and construction of basements and retaining walls
Design and construction of specialty features: walk-outs, partially-exposed foundations

Science of Structures and Soils
B. Warner
Typical loads on shallow foundations
- Gravity loads
- Lateral loads
Typical loads on walls
- Gravity loads
- Soil loads
Typical loads on slabs
Soil mechanics and effects on structures
- Soil properties
- Bearing capacity
- Soil settlement
- Effects of water, frost and freeze/thaw cycle

Understanding and Diagnosing Foundation Issues
R. Jeffries
Types of foundations throughout Utah
Types of soils throughout Utah
Expansive soils
Causes for foundation settlement
Solutions for foundation settling
Ground improvement (pre-construction)

Evaluating and Repairing Foundation/Slab Damage
D. Chance,
R. Shaw
Retrofit vs pre-construction
Types of piers
Evaluating/measuring foundation damage
Foundation repair process
Solution for slab settlement

Can’t Attend? Order the Manual and the Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at $269. See registration panel 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.
Faculty

David Chance
Davenport Foundation Repair, West Jordan, Utah
Mr. Chance has inspected and presented solutions for hundreds of residential and commercial properties throughout the states of Utah, Wyoming, Idaho and Nevada. In addition, he engages in public speaking and educational presentations to large engineering and architectural firms throughout the state. Raised in Salt Lake City, Mr. Chance grew up in the West Jordan area. After finishing high school at West Jordan High, he began working in the construction industry. He continued his education and became an IT technician at the IT Career Academy. He then moved onto construction management. He is the founder of a non-for-profit group called Benjamin Smilies, providing and promoting monetary funds to people in need. For more information on his non-profit group, visit www.benjaminsmiles.org. Mr. Chance also enjoys spending time with his children and granddaughter.

Josh Shaw
Davenport Foundation Repair, West Jordan, Utah
Mr. Shaw started working for Davenport Foundation Repair in 2002 as a foundation crew member, while he was still in high school. After he graduated, he went on a I.D.S. mission to Sao Paulo, Brazil. When he returned home, he returned to Davenport working on the waterproofing and piercing crews. Mr. Shaw has attended many different training conferences where he has learned new ways to solve a variety of home repair issues. His experience has helped him gain a vast knowledge of foundation repair, concrete lifting and basement waterproofing.

Matthew Roblez
McNeil Engineering, Sandy, Utah
Mr. Roblez is a board certified and licensed structural engineer, lecturer, and published technical author. He has worked in the engineering industry since 1984 when he was a "print boy" at the age of 15 for a Salt Lake city company. Mr. Roblez is a co-owner of McNeil Engineering, an award-winning civil/surveying/structural engineering firm. He has been involved with many engineering projects that vary in size from large commercial to small residential and in scope from structural engineering to full design and project/construction management.

Brian Warner
McNeil Engineering, Sandy, Utah
Mr. Warner is a licensed structural engineer in Utah and a licensed professional engineer in six surrounding states. He is active in the American Society of Civil Engineers (ASCE), the Utah Engineers Council (UEC) and the Structural Engineers Association of Utah (SEAU). Mr. Warner has worked as a structural engineer since 2001 and as a construction worker for five years before that to pay his way through school as well as 10 years in the US Army Reserves as a combat engineer. He graduated with a master of science degree from the University of Utah with a geotechnical thesis emphasis. Mr. Warner’s engineering projects vary in construction materials and size and from new construction to retrofitting of existing structures, as well as performing peer reviews of other engineers’ designs for several cities.

Josh Shaw
BaseCo, Salt Lake City, Utah
Mr. Jefferies has spent many years in the foundation repair industry. He has inspected thousands of homes throughout Utah, Idaho, and Wyoming.

Seminar Information

Marriott University Park
480 Wakahāi Way
Salt Lake City, UT 84108
(801) 581-1000

Tuition
$289 for individual registration
$269 for three or more registrants from the same company at the same time.

Registration
Mail:
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Receives 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
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Cancellation
Cancellation and other fees will be charged for each registrant. Cancellations within 48 hours will receive a refund of 50% tuition reduced. A 99$ charge will be applied to participants who cancel within 48 hours of the seminar.

Additional Learning

Webinar Series
Passive House: Planning and Design
Energy Efficiency of Conventional Construction
Thurs., May 9, 2019, 11:00 AM - 12:00 PM CDT
Thurs., May 9, 2019, 12:30 - 2:00 PM CDT
Architectural Elements of Passive Houses
Fri, May 10, 2019, 11:00 AM - 12:00 PM CDT
Mechanical Systems in Passive Houses
Fri, May 10, 2019, 10:00 - 5:00 PM CDT

Additional Information
For more information visit www.halfmoonseminars.org/webinars/

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I will be attending the live seminar.
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Registration
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How to Register
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Complete the entire form. Attach duplicates if necessary.

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