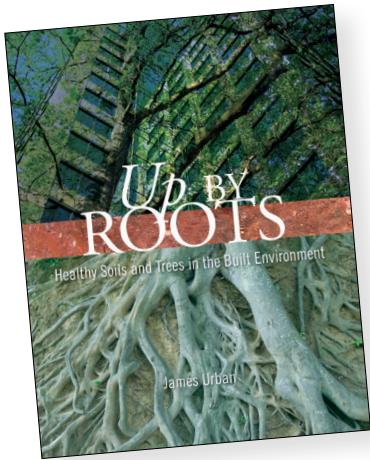


Up BY ROOTS

www.isa-arbor.com/UpByRoots

EARN up
to 7 CEUs
from
ISA/LA CES

James Urban brings his book, *Up By Roots: Healthy Soils and Trees in the Built Environment*, to life with a day of hands-on instruction highlighting key soil and site assessment techniques. These skills are critical for arborists, landscape architects, planners, architects, and urban foresters who design, specify, install, or manage trees in the built environment.



Up By Roots: Healthy Soils and Trees in the Built Environment is a one-day workshop highlighting the principles of soil science and their use in facilitating the growth of healthy trees and developing water-efficient landscapes. This workshop includes lectures and field work intended to introduce the underlying scientific principles guiding tree biology and soil-water relations. It is only through a healthy respect

for these guiding principles that one can effectively design, install, and manage soils and trees in the urban landscape.

PREPARATION FOR THE ASLA SUSTAINABLE SITES INITIATIVE

The ASLA Sustainable Sites Initiative will require analysis, preservation, reuse, and amending of existing soil resources, as well as providing sufficient soil volumes for trees. These soil requirements will be added to future LEED rating systems. This seminar will provide landscape architects and other LEED professionals with the basic skills needed to understand and design sustainable soil resources.

SESSIONS

Soil Science and Tree Biology: This session reviews the relationships among trees, soil, and water. Soil aspects discussed include *Physical Properties, Chemical Properties, Biological Properties, Interrelationships, and Tree/Soil Relationships*.

Urban Soil Analysis: When working with urban soils, field assessments of soil conditions are often necessary. Topics covered in this session include *Traditional Analysis Tools, Non-Traditional Analysis Tools, and Reading the Landscape*.

Field Walk and Soil Assessment: Attendees will walk to several sites where they will be introduced to the use of soil augers and other soil-assessment tools. Session topics include *Soil Profiles and Augers, Soil Bulk Density, Soil Color and Odor, Soil by Feel, and Reading the Landscape to Make Soil Determinations*.

Practical Soil Applications: Suggestions to restore or improve soil functions will be discussed, including *Drainage, pH, Soil Biology, Soil Fertility, Clay and Fine-grained Soils, Compaction, and Salt*.

WORKSHOP DATES

- August 11, 2011: Davis, California
- August 17, 2011: Spokane, Washington
- August 19, 2011: Anchorage, Alaska
- September 20, 2011: Knoxville, Tennessee
- September 22, 2011: Asheville, North Carolina

REGISTRATION

Registration fee includes a box lunch. Participants have the opportunity to purchase a copy of Urban's *Up By Roots: Healthy Soils and Trees in the Built Environment* with their registration at a discounted price. Books will be picked up on the day of the workshop. Registration discounts are available for both International Society of Arboriculture and American Society of Landscape Architects members. Limited seating, so register early.

Register at www.isa-arbor.com/UpByRoots to secure your seat.

	Fees BEFORE registration deadline*		Fees for onsite registration	
	With Book	Without Book	With Book	Without Book
Member**	\$245	\$185	\$290	\$220
Non-member	\$265	\$195	\$290	\$220
Student***	\$110	\$50	\$290	\$220

* Registration deadline is two weeks prior to the event.

** Member pricing is available to both ISA and ASLA members.

*** Must show student ID at registration. Limit of 10 students per site.

ABOUT THE AUTHOR/PRESENTER

James Urban, FASLA and ISA member, is a landscape architect with more than 30 years of experience in urban development. Over the past 30 years, Jim has routinely dealt with the challenge of planting trees in difficult urban sites. He has researched and tested various methods of tree installation in the urban environment. Jim has developed applications for practicing arborists and landscape architects for testing new urban tree systems and planting concepts, developing new approaches to landscape architectural design and detailing, and specifications in the area of trees and urban soils.



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www.isa-arbor.com • p. 217.355.9411 • f. 217.355.9516

Up BY ROOTS



SESSION INFORMATION

August 11, 2011 • 8:30 a.m. – 5:00 p.m.
UC Davis • Buehler Alumni Center
1 Shields Ave • Davis, California 95616



Please complete and return this application, or complete the online registration at www.isa-arbor.com/UpByRoots.

PRE-REGISTRATION FORM

First Name: _____ Last Name: _____

Preferred name for badge: _____ E-mail: _____

Company: _____ Job Title: _____

Address Line 1: _____

Address Line 2: _____

City: _____ State: _____ ZIP: _____

Daytime Phone: _____ Cell Phone: _____

Membership Number: _____ ISA Member ASLA Member

Special dietary considerations: _____

If you have special needs that may affect your participation in this workshop, please let us know about them here: _____

REGISTRATION TYPE

Fees for registration if received by July 29.

- | | | |
|---|---|---|
| <input type="checkbox"/> Member with book* \$245 | <input type="checkbox"/> Non-member with book* \$265 | <input type="checkbox"/> Student with book* \$110 |
| <input type="checkbox"/> Member without book \$185 | <input type="checkbox"/> Non-member without book \$195 | <input type="checkbox"/> Student without book \$50 |

**Books available for pick-up at the workshop*

If seats are available, onsite registration will be accepted at an additional cost.

METHOD OF PAYMENT

- Check, payable in U.S. funds to "ISA"
- Credit Card. Please charge my: Visa AmEx MasterCard

Card Number: _____ Exp. Date: _____

Name on card: _____

Signature: _____

Registration is limited. Please submit your completed form along with payment by **July 29** to: Up By Roots Registration, PO Box 3129, Champaign, IL 61826-3129; FAX to 217-531-2824; or email ConferenceReg@isa-arbor.com.

A processing fee of \$50 will be charged for all cancellations. No refunds or cancellations accepted after July 29. For registration questions, please e-mail ConferenceReg@isa-arbor.com.

