

WORKSHOP

Up By Roots: Healthy Soils and Trees in the Built Environment

Presented by James Urban

Up By Roots is a one-day workshop that highlights 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.

James Urban, FASLA and ISA member, is a landscape architect with more than 30 years of experience in the field of urban development.



Over the past three decades, Jim has routinely dealt with the challenge of planting trees in difficult urban sites. Since 1982, he has researched and tested various methods of tree installation in the urban environment. Jim has developed applications for practicing arborists and landscape architects that include the testing of 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.



International Society of Arboriculture

www.isa-arbor.com

AGENDA

Soil Science and Tree Biology 8:30-10:15

This introductory session is an overview of the relationships among trees, soil, and water. Aspects of soil to be included in the discussion are: *Physical Properties, Chemical Properties, Biological Properties, Interrelationships, Tree/Soil Relationships*

Morning Break 10:15-10:30

Urban Soil Analysis 10:30-12:00

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-Reading the Landscape



Box Lunch 12:00-1:00

Field Walk and Soil Assessment 1:00-2:30

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*

Afternoon Break 2:30-2:45

Practical Soil Applications 2:45-5:00

Suggestions to restore or improve soil functions will be discussed for the following situations: *Drainage, pH, Soil Biology, Soil Fertility, Clay and Fine-grained Soils, Compaction, Salt*



REGISTRATION

Registration:

Registration fee includes workshop and 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 **American Society of Landscape Architects** and **International Society of Arboriculture** members.

Workshop Pricing (register 14 days prior to event)

- Member purchasing book \$245
- Member no book purchase \$185
- Non-member purchasing book \$265
- Non-member no book purchase \$195
- Student purchasing book \$110
- Student no book purchase \$50

LATE registration pricing (member or non-member)

- with book purchase \$290
- without book purchase \$220

For workshop and registration information, visit: <http://www.isa-arbor.com/conference/regionalMeetings.aspx>
Or e-mail:

Program Information
Andrew Koeser akoeser@isa-arbor.com

Registration and conference Information
confencereg@isa-arbor.com
Phone: (888) ISA-TREE

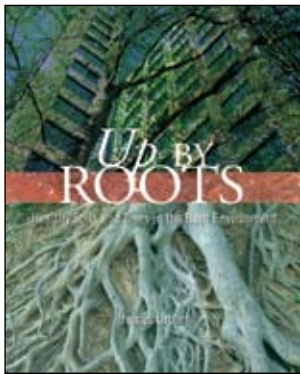
*Please note any special dietary requests when registering.

NOTE: Please call if you have special needs that may affect your participation in this event.



UP BY ROOTS: HEALTHY SOILS AND TREES IN THE BUILT ENVIRONMENT

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



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.

FEBRUARY 4, 2010
HOUSTON, TEXAS

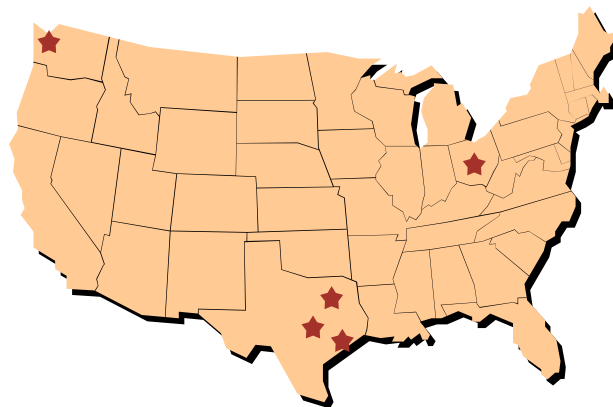
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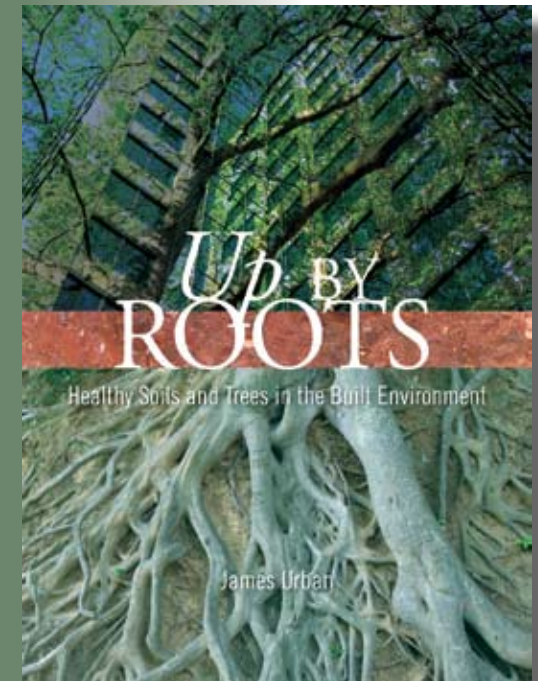
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UP BY ROOTS

HEALTHY SOILS AND TREES IN
THE BUILT ENVIRONMENT



JAMES URBAN

HOUSTON, TEXAS – FEBRUARY 4, 2010
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