



Up BY ROOTS

HEALTHY SOILS AND TREES IN THE BUILT ENVIRONMENT

Wednesday March 21, 2012
Pompano Beach - Larkins Community Center

CEUs:

ISA - 6.5 ENGLA - 4 LIAF - 4 LA - 6.5 (Course #0008361)

Presented by James Urban, Landscape Architect Fellow

James Urban brings his 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.

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.

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.

SPEAKER



JAMES URBAN,
Landscape Architect Fellow,
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.

BOOK

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 with a savings of \$10 off non-member price. Books will be distributed at the check-in desk on the day of the seminar.

Up By Roots is a manual for landscape architects, architects, urban foresters, and planners who are designing, specifying, installing and managing trees in the built environment.

Part One discusses basic soil science and tree biology and their relationship to healthy trees. Part Two explains the process of planning and implementing landscape designs to ensure healthy trees that can improve the quality of places where people live, work and play. The book contains numerous illustrations and data in graphic form to provide guidance in the design of healthy soils and trees.

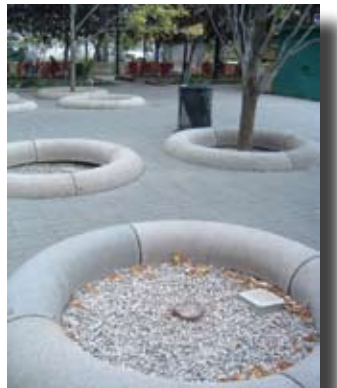
DIRECTIONS

Wednesday March 21, 2012
E PAT LARKINS COMMUNITY CENTER
520 Martin Luther King, Jr. Boulevard (NW 3rd Avenue)
Pompano Beach, FL 33060
Phone: 954-786-4585

DIRECTIONS:
FROM I-95 take exit 36 onto Atlantic Boulevard. Travel east on Atlantic Boulevard about 1/3 mile. Turn left (north) onto NW 6th Avenue; travel about 1/4 mile. Turn right (east) onto Dr. Martin Luther King Boulevard and travel about 200 feet to the Larkins Community Center.

AGENDA

- 8:00 – 8:30 REGISTRATION (breakfast items available)
- 8:30 – 10:15 SOIL SCIENCE AND TREE BIOLOGY
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
- 10:15 - 10:30 BREAK with refreshments
- 10:30 – 12:00 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, Reading the Landscape
- 12:00 - 1:00 LUNCH (provided)
- 1:00 - 2:30 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
- 2:30 - 2:45 BREAK with refreshments
- 2:45 - 4:30 PRACTICAL SOIL APPLICATIONS
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 and Salt
- 4:30 AWARD CEUS and adjourn



* * **SAVE \$10**
Register online at www.floridaisa.org



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SAVE \$10! Register online at
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(Online registration available until 4 days before the seminar)

GROUP DISCOUNT! Register 5 people, the 6th person attends FREE!

Name(s) 1 _____ 2 _____
 3 _____ 4 _____
 5 _____ 6 FREE _____
 Member Number (to get member pricing) _____
 Company _____
 Address _____
 City/State/Zip _____
 Phone _____
 Email (needed for sending a receipt and a class reminder) _____

_____ # of vegetarians in your group

Pre-order Jim Urban's book *'Up By Roots'* and save \$10: the pre-order price is \$67 + tax = \$71.02. Please mark your registration form below correctly. Books will be distributed at check-in.

ISA and ASLA Members (must provide member # above) may register up to 5 guests at the member rate.

Members and Guests . . .	\$170.00 each x _____	= \$ _____
Government Employees . .	\$170.00 each x _____	= \$ _____
Non-members	\$190.00 each x _____	= \$ _____
Pre-ordered Books (w/ tax)	\$71.02 each x _____	= \$ _____

LATE REGISTRATION FEES begin 4 days before any seminar -
 ADD \$20/person . . and **CALL 941-342-0153** to register.
ALL AT-THE-DOOR REGISTRATION FEES are \$210/person (no book).
 Cancellation refunds honored if requested 7 days before each seminar.
 Attendee substitutions will be honored.

Register online and save \$10! Link at: www.floridaisa.org
 Register by mail: Checks Payable to: Florida Chapter ISA
 Mail to: 7853 S Leewynn Court
 Sarasota, FL 34240
 FEIN #65-0667299

Register by fax: 941-342-0463
 Questions? Call: 941-342-0153

Credit Card Information: Print clearly, all information is required
 Visa, MC, Discover (AMEX is only accepted for ONLINE REGISTRATIONS)

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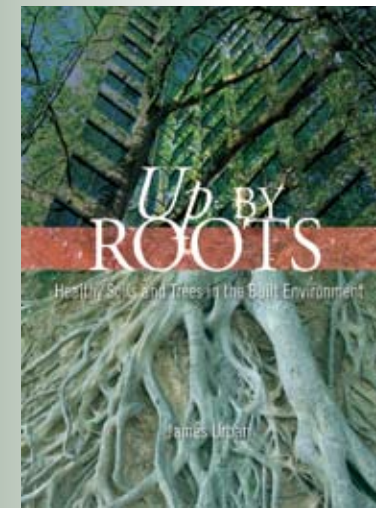
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A Premium Seminar Presented by
 FLORIDA CHAPTER ISA

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 THE BUILT ENVIRONMENT



MARCH 21, 2012
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 (FT. LAUDERDALE)
 LARKINS COMMUNITY CENTER



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