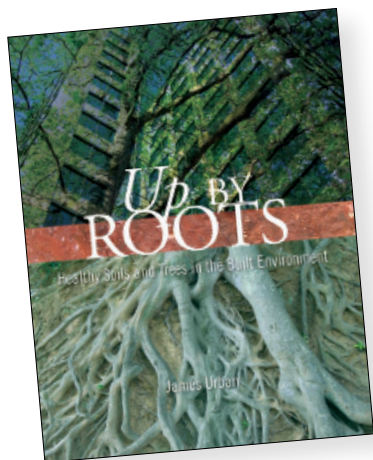


# Up BY ROOTS

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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.

## 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 Colour and Odour, 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

May 22, 2012: Birmingham

May 24, 2012: London (Brentford)

## REGISTRATION

Registration fee includes a buffet 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. Pre-ordered books will be available for pick up on the day of the workshop. Member registration discounts are available for International Society of Arboriculture, Consulting Arborist Society, and Midland Tree Officers Association members. Members of British Association of Landscape Industries and Landscape Institute will also receive a supporting organisation member registration discount. Seating is limited, so register early.

Register at [www.isa-arbor.com/UpByRoots](http://www.isa-arbor.com/UpByRoots) to secure your seat.

|              | Fees <b>BEFORE</b> registration deadline* |              | Fees for onsite registration |              |
|--------------|-------------------------------------------|--------------|------------------------------|--------------|
|              | With Book                                 | Without Book | With Book                    | Without Book |
| Member**     | £130                                      | £95          | £195                         | £160         |
| SO Member*** | £155                                      | £120         | £195                         | £160         |
| Non-member   | £185                                      | £150         | £195                         | £160         |
| Student****  | £60                                       | £25          | £195                         | £160         |

\* Registration deadline is May 18, 2012.

\*\* Member pricing is available to ISA members, CAS members, and MTOA members.

\*\*\* Supporting Organisation member pricing is available to BALI members and LI members.

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

## ABOUT THE AUTHOR

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