



Bowman's Hill  
Wildflower Preserve

PRESENTS THE 19<sup>TH</sup> ANNUAL

LAND ETHICS  
SYMPOSIUM



*Creative Approaches  
for Ecological Landscaping*

**Thursday, March 14, 2019**

Delaware Valley University-Life Sciences Building  
Doylestown, PA

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## About the Speakers

**Mallory N. Gilbert** is a Certified Professional Soil Scientist, an Emeritus Certified Professional Wetland Scientist, and a Retired U.S. Air Force Lieutenant Colonel. He is a past Board Member of the Society of Wetland Scientists (International). He has served the University of Connecticut's Cooperative Extension Service, the U.S. Dept. of Agriculture, as a District Conservationist and as a private consultant since 1986. He has worked as a scientist contractor for the U.S. Fish and Wildlife Service and the U.S. Army Corps of Engineers and authored scores of environmental reports, publications, and regulations for a variety of public and private organizations. He co-developed and is a principal instructor of the Freshwater Wetlands Construction course at Rutgers University's Office of Continuing Professional Education, and is a contributing author and editor of the text "Wetland Mitigation: Planning Hydrology, Vegetation and Soils for Constructed Wetlands."

**Kelly Gutshall, RLA, ASLA**, is a landscape architect and president of LandStudies, Inc., an ecological restoration and design firm providing engineering, construction, and maintenance services throughout Pennsylvania and Maryland since 1989. She has championed the firm's science-based approach to planning and design, finding solutions to some of the most challenging problems of our generation. She has been recognized for her environmental contributions through a myriad of awards over the years and generously volunteers her time to numerous organizations.

**Steven N. Handel, Ph.D., Hon. ASLA**, is a Distinguished Professor of Ecology at Rutgers and Visiting Professor at Harvard's Graduate School of Design. He studies urban restoration ecology and how this can mesh with landscape design. He is the editor of *Ecological Restoration* and has received the Theodore Sperry Award from the Society of Ecological Restoration for his work on urban habitat creation. He received his B.A. in biology from Columbia University and a Ph.D. in ecology and evolution from Cornell University.

**Landscape Architect Baldev Lamba** is principal of Lamba Associates and an Associate Professor at Temple University. He earned his M.L.A. from the University of Pennsylvania and his B.Arch. from the Delhi University in India. Lamba's notable accomplishments include the international award-winning First Ladies Water Garden in Washington, D.C.; the Excellence in Research and Creative Work Award from the Council of Educators in Landscape Architecture; his acclaimed series of Pop Up Parks; and the publication of "GREEN GREEN," a children's picture book.

**Frederick Steiner** is Dean and Paley Professor at the University of Pennsylvania School of Design and co-executive director of the Ian L. McHarg Center for Urbanism and Ecology. Previously, he was dean of the School of Architecture and Henry M. Rockwell Chair in Architecture at the University of Texas School. He has written, edited, or co-edited 18 books, including "Nature and Cities and Making Plans: How to Engage with Landscape, Design, and the Urban Environment."

# 19th Annual Land Ethics Symposium

**8:00 Registration, Continental Breakfast, Book Sale**

**8:45 Welcome**

**9:00 Our Connections with Nature: A Multidisciplinary Discourse**  
*Baldev Lamba*

This presentation will explore why connections to nature are critical, and how recent and emerging hypotheses and theories, such as biophilia, stress reduction theory, environmental preferences, nature deficit disorder, forest therapy, and sustainability can contribute to our understanding of humans and nature, and ways to enhance relationships between them through a multidisciplinary approach to the conservation, restoration, and design of our environment.

**10:00 Economic Ecology: Thinking Regionally & Working Together to Solve Water Resource Issues**  
*Kelly Gutshall*

Economic Ecology is an approach that maximizes both economic and environmental returns to solve water issues, such as pollutant removal and flood reduction, at a regional scale. This session will explore how Economic Ecology is being utilized to implement high performance stream/floodplain restoration projects with quantifiable water quality, stormwater management, and flood reduction benefits.

**11:00 Beverage Break and Book Sale**

**11:20 Improving Outcomes in Wetland Restoration & Creation Through Identification of Critical Ecological Filters in Functional Design**  
*Mallory N. Gilbert*

This presentation offers a simplified model that focuses on the basics of a functional approach to wetland creation and restoration, and will review and prioritize the fundamental ecological filters associated with various wetland types. It will address reference wetlands as biological benchmarks; critical components leading to desired outcomes; depth, duration, and timing of water inputs and maximum storage volume capacity; and carefully crafted grading plans. Substrate soils and vegetation are also touched upon, as well as the importance of pro-active monitoring, or “adaptive management.” Case studies are offered as examples.

**12:20 Lunch and Book Sale**

**1:30 Land Ethics Award Presentation**

**1:45 Dreams & Nightmares of Urban Restoration Ecology**  
*Steven N. Handel, Ph.D.*

Working with landscape architects and other professionals, we have developed experiments and techniques to help rebuild urban ecological landscapes. Although urban parcels are usually small, they have the potential to add back biodiversity and its advantages to our city centers. Urban areas have constraints, biological and physical, that challenge our ability to restore the historic biodiversity of the landscape. What habitat targets are practical ones, particularly in a time of rapid climate change?

**2:45 Break and Book Sale**

**3:00 Ian McHarg, Design With Nature, and the Advance of Ecology in Design**  
*Frederick Steiner*

Various attempts have been made by landscape architects and others to integrate ecological concepts into planning and design even before the formal definition of ecology existed. But none had the influence of Ian McHarg, whose activism and teaching inform today’s leading practitioners. One way to understand his contribution and continued relevance is the concept of ecosystem services, which underpins the Sustainable SITES Initiative, a system of guidelines and ratings for land design and development.

**4:00 Closing Remarks**



## Details

**Please contact:**  
Kelly Joslin, Education Coordinator  
LES@bhwp.org  
215.862.2924

Visit [www.bhwp.org](http://www.bhwp.org) for updates and online registration.

Breakfast and buffet lunch includes vegetarian, non-dairy and gluten-free choices.

## Symposium Location

Delaware Valley University  
Life Sciences Building  
700 E. Butler Ave.  
Doylestown, PA 18901  
215.489.2315  
Handicapped accessible

Convenient to SETPA Lansdale/Doylestown Line and US Rt 202.

## Use Admission Parking/Parking Lot C

Heading SOUTH on State Street/Butler Avenue, turn left on New Britain Road, just past the entrances to route 611.

Make the first right onto Admission Drive. You will see a large parking lot on your right.

## Cancellation Policy

Refund requests must be received by Friday, March 1, 2019, by contacting Kelly Joslin at 215.862.2924. A \$15 processing fee will be charged. No refunds after March 1, 2019.

## Continuing Education Credits

BHWP is an LA CES™ approved provider. The 2019 Land Ethics Symposium has been approved for continuing education credits from the following professional organizations:

- ASLA
- Pennsylvania State Board of Landscape Architects
- New Jersey Nursery & Landscape Association
- APLD
- ISA
- MNLGA

The 2019 Land Ethics Symposium has applied for continuing education credits from the following professional organizations:

- New Jersey Board of Architects
- PLNA
- VLNA

## Registration

**Online at: <http://bit.ly/BHWP-LES>**

Registration and payment must be received by March 5, 2019.  
Please print clearly. Only one name per registration.

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Registration fee includes continental breakfast, snacks and buffet lunch.

☐ **\$154** Early Bird Registration  
*(postmarked by Feb. 16)*

☐ **\$184** Regular Registration  
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☐ **\$50** Full-time Student  
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