

## **MON-C03 Ensuring Sustained Value in Therapeutic Gardens and Children's Landscapes**

Mon, 11/24: 1:30pm - 3:00pm

Education Session

PDH Credits: 1.5

### Session Description

Therapeutic gardens and children's landscapes must meet specific needs, goals, and objectives. And designers need to know requirements are being met. To ensure the design integrity of these special environments, topic experts will address post-occupancy evaluations, project monitoring, short- and long-term maintenance, and other therapeutic-gardens and children's-landscape issues.

### Learning Objectives

- Understand tools and techniques to monitor design success in maturing therapeutic gardens and children's landscapes.
- Gain knowledge about design and maintenance considerations for users with mobility/physical, cognitive, and sensory impairments and sensitivities.
- Explore project examples with a post-occupancy monitoring component to understand anticipated and unanticipated health-related outcomes.
- Discover how evaluation after installation promotes mental and physical health, safety and welfare.

### Detailed Outline

#### **The Feedback Loop: Research - Critique – Design**

Daniel Winterbottom

- I. Nature based learning and the impacts on children
- II. Designing a participatory process for children
- III. Design
  - A. Sensory integration
  - B. Sensory challenges
  - C. Physical and cognitive rehabilitation
  - D. Using nature in therapeutic environments
- IV. Case studies
  - A. Beacon Hill Nursery School
  - B. Seattle Children's Playgarden
- V. Sustainable and durable end products

## Jack Carman

- I. Healthcare settings:
  - A. Independent
  - B. Skilled Nursing
  - C. Assisted Living
  - D. Dementia
  - E. Rehab
- II. What happens after project has been constructed? Who monitors? What if the design was compromised? Has it been taken care of or even improved upon?
- III. Designing for sensitive population s and why long-term project integrity is especially important for these design specialties
- IV. Short- and long-term maintenance issues
- V. The need to specify garden features to fit the needs of the user group
- VI. Recreational/therapeutic programming as a method of sustained garden use.
- VII. Project highlights: St John Neumann Nursing Home; Meadowood CCRC, and The Atrium in Red Bank Worcester, PA

## Jena Jauchius

- VI. Building POE measures into the design process
  - A. Why? Benefits include identify area for cost savings, maximize benefit to user for cost, confirmation of design decisions, and enable studies for better supporting special populations and enrich our profession.
  - B. How? Evidence-based design approach, document design process, and conduct an initial study.
  - C. Initial study - Process
- VII. Project Example 1 – Developmental Playground, Center for Persons with Disabilities, Utah State University
  - A. Measurement tool used to evaluate play settings and afforded behaviors
- VIII. Project Example 2 – Sunridge Park
  - A. Matrix developed to analyze the diversity of play activities and opportunities
- IX. Project Example 3 – Natural Playground at Emma Eccles Early Childhood Research Center, Utah State University
  - A. Mapping for behavior settings analysis

## Marni Barnes

- I. Audits - strengths and limitations
- II. Post Occupancy Evaluations - what we can learn
  - A. Mapping
  - B. Tracking
  - C. Interviewing
- III. Informing our designs - improving "best practice"
- IV. Gaining credibility - research that promotes Therapeutic Design

## Panelist Bios

**Marni Barnes**, ASLA, LCSW, APATH, principal of landscape architecture firm Deva Designs, creates and consults on therapeutic landscapes in public and private settings. With ten years' experience as a psychotherapist in the USA and Great Britain, as well as 33 years as a landscape architect, Barnes has been the recipient of awards from ASLA, AIA, EDRA, AHTA and TKF. Barnes is an Affiliate Professor at Hyogo University in Japan. She is currently working with Miyagi University on community regeneration in tsunami devastated eastern Japan and with the Royal Government of Bhutan on their Centre for Gross National Happiness. [devasgarden@mac.com](mailto:devasgarden@mac.com)

**Jack Carman**, FASLA, LLA, RLA is president of Design for Generations, LLC, a Landscape Architect firm specializing in the design and development of Therapeutic Gardens and landscapes for senior communities and healthcare facilities. Jack actively works to promote the design and development of Therapeutic Gardens and landscapes through speaking engagements and the publications. Jack is founder of the American Society of Landscape Architects Professional Practice Network on Healthcare and Therapeutic Landscapes. He is editor and contributor of the recently published book "Re-creating Neighborhoods for Successful Aging". [jack@designforgenerations.com](mailto:jack@designforgenerations.com)

**Jena Jauchius**, RLA, ASLA, EDAC, LEED AP BD+C, principal of Art + Environment landscape architecture studio, specializes in the design of children's play, learning and healing landscapes. With over 14 years of experience in both the fields of landscape architecture and fine art, Jena uses both professions to inform and inspire her work: children's outdoor environments that are infused with both nature and art to [re]connect children and nature, inspire imaginative play, and create healthy, vibrant places for children to be children. [jena@art-environment.com](mailto:jena@art-environment.com)

**Daniel Winterbottom**, RLA, FASLA, holds a BFA from Tufts University and a MLA from the Harvard Graduate School of Design. His research interests include the built environment as a place of cultural expression, play for all, applied service learning and the effects and role of restorative/healing landscapes in the built environment. He has been published widely including articles published in Northwest Public Health, Places, New York Times, Seattle Times, Seattle P.I., Landscape Architecture Magazine. He has authored "Wood in the Landscape" and has contributed to several books on children's playscapes, sustainable design, community gardens, therapeutic landscapes and community service learning. His new book on Therapeutic Gardens, co-author with Amy Wagenfeld will be released in April 2015. [nina@u.washington.edu](mailto:nina@u.washington.edu)