Title
SUN-B02: Product Design and Its Relationship to Natural and Built Environments

**Speaker Bio**
Brian Revoir served for 11 years as Senior Product Designer with Michael Graves Design Group/Michael Graves and Associates designing award winning products. He has extensive experience in the management of multiple projects bringing consumer products for major international companies from concept to market. Revoir holds a degree in industrial design from Rochester Institute of Technology and is a member of IDSA (Industrial Designers Society of America).

Brian Revoir IDSA | Senior Designer
Landscape Forms Inc. | www.landscapeforms.com
T 269.337.1229
brianr@landscapeforms.com

**Speaker Bio**
As Design Director for Forms+Surfaces, Adam Tripp oversees Product Design and Development across all F+S product lines. In addition to the project management of new and custom product development, he is continually defining new materials and manufacturing processes that influence the look and feel of the Forms+Surfaces brand. Responsible for some of the most recognizable site furniture, architectural surfaces and door hardware in the F+S catalogue, Adam joined the Forms+Surfaces Design Studio in 2007 and holds a degree in Industrial Design from the Rhode Island School of Design.

Adam Tripp | Design Director
Forms+Surfaces | www.forms-surfaces.com
T 805.755.2656 | M 508.269.9705
adam.tripp@forms-surfaces.com

**Speaker Bio**
Ian McAskile founded Maglin Site Furniture to address the need for distinctive public site furniture. Combining his foundry knowledge with a gift for creative design and fine woodworking McAskile has guided the company for the last 30 years to its position of leadership in today’s market. Beginning with the redevelopment of the Toronto Harbourfront and that series of cast furniture, Ian’s passion remains with design and sourcing new, innovative and sustainable materials and manufacturing techniques.

Ian McAskile | President
Maglin Site Furniture | www.maglin.com
T 800.716.5506 x 226 | C 519.536.1779
IMcAskile@maglin.com

**Moderator** Jim Schuessler | Studio Director
BNIM | www.bnim.com
T 816.783.1608 | C 913.669.7271
Marketing Statement

Site furniture and amenities should be integrated into their environment seamlessly to create a sense of congruity and enhance the overall design. Three product designers will share their perspectives on materials innovation, trends, partnerships, environmental sustainability and thoughts on successful collaborations to bring new ideas to the communities we serve.

Learning Objectives

- Learn about designing with scrap material and design with end-of-life in mind.
- Learn about partnerships and a study of designed to fit with the built environment.
- Learn about material innovation and the trends in environmental sustainability.
- Learn about customization and bespoke site furniture (made to a buyer's specification, personalized or tailored)

Introduction

Jim Schuessler will moderate a discussion on sustainable site furniture design. The panel includes not just representative from some of the leading site furniture producers in the US, but more specifically the designers of these firms that work daily with landscape architects to envision new products and amenities. These are idea guys that are helping to craft the next designs and trends in products.
A. CRAFTING PRODUCTS FROM RECLAIMED SCRAP MATERIAL
Learn about the case study for utilizing manufacturing scrap. While finding a solution to reduce waste the program evolved into a concept that provides elegantly simple building blocks for defining and activating social space.
B. DESIGNING WITH THE LIFE A PRODUCT IN MIND

Many product designers design for failed obsolescence. The chance to design site furnishing for the outdoors presents the opportunity to turn that notion on its head. Quality construction, durable materials and a timeless design all have to come into play when creating products that have to last for years and years.
C. DESIGN AND RELATIONSHIPS

Creating a culture that is centered around relationships is critical. Surrounding yourself with innovative, creative talent outside your organization can ensure that you can approach challenges with a fresh perspective.
D. Reclaimed Materials for Site Furniture

1. Benefits of reclaimed materials
2. FSC Recycled Reclaimed*
   - Teak
   - Cumaru

3. Understanding the qualifiers for reclaiming material site furniture integration
   - Species/Hardness
   - Material Yield Post Processing
   - Material Condition Aesthetic influence
E. Design Case Study

1. Site Furniture / Bike racks In-Situ
2. Material choices
   - Sustainability
   - Public space
3. Formal Choices
4. Landscape integration
F. Sustainability Drives Design

a) Recycled Materials used by manufacturers
   - Aluminum
   - Wood Alternatives (HDPC)
   - Recycled Plastic (HDPE)

b) New materials and Testing
   - Manufacturers must constantly evolve and test materials for environmental sustainability

c) Evolving Design instigated by user interaction and client specific preferences
G. Case Study

a) Evolution of recycling – collection and units required
b) Adapting trash units
c) Developing new units
d) Changing requirements create updated configurations for several collection streams
e) Geographic elements – Private “pickers” vs Public Collection