THE ORIGINAL GREEN

CALIFORNIA CENTER FOR SUSTAINABLE ENERGY

San Diego
11 November 29

STEPHEN A. MOUZON, AIA CNU LEED
THE NEW URBAN GUILD
Miami Beach, Florida, USA
Keeping Things for the Long Run
How Things Operate

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Lots of Controls
Precision Alignments

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Massive Use of Energy

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How Things Grow

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THINGS that have Life

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WHERE THEY can THRIVE

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How We Get There

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How We Participate

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What's the Problem?

1. the Absence of Plain Spoken Sustainability
2. the Supply-Side Focus
3. the Carbon Focus
4. the Achilles Heel of Architecture
5. the Trouble with Consumption
6. the Problem of Growth
7. the Fate of “Ought-To”
8. the Dilemma of Global Warming
9. the Danger of Wishes
10. the 2.5 Billion People

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10. the Absence of Plain-Spoken Sustainability

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9. the Danger of Wishes

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8. the DILEMMA of Global Warming

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7. the Fate of “Ought-To”
6. the Problem of Growth

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5. the TROUBLE with CONSUMPTION

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Planned Obsolescence

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Throwaway Buildings

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4. the Achilles Heel of Architecture
the Necessity of Uniqueness

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the enormous effort to figure it out

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3. the **Carbon Focus**

[www.originalgreen.org](http://www.originalgreen.org)
2. *the Supply-Side Focus*

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1. the 2.5 Billion People
What Can We Do?

10. *the Things that Work*

9. *the Diversified Extent*

8. *the Diversified Environment*

7. *the Diversified Means*

6. *the Expanded Uses*

5. *the Narrowed Resource Range*

4. *the Expanded Comfort Range*

3. *the Localized Operations*

2. *the Sharing of Wisdom*

1. *the Involvement of Everyone*

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10. the Things that Work

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9. the Diversified Extent

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8. the Diversified Environment

The Transect is the operating system of the New Urbanism. The idea of the Transect originated in the 1900's as an ecological tool used to describe a series of natural habitats, but transects have existed in nature since the dawn of time.
the Transect

★ T1: Natural (the wilderness)
★ T2: Rural (fields & meadows)
★ T3: Suburban (the outskirts)
★ T4: General Urban (neighborhoods)
★ T5: Urban Center (main street)
★ T6: Urban Core (downtown)
7. the Diversified Means

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6. the Expanded Uses

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5. the NARROWED RESOURCE RANGE

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4. the Expanded Comfort Range

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CONDITIONING the Buildings First

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CONDITIONING the Humans First

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3. the Localized Operations

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Large-Scale Operations

Localized Operations

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Web of Daily Life

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2. the **Sharing of Wisdom**

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What’s The Delivery System?

- Public Education’s Way
- Higher Education’s Way
- the Specialists’ Way
- Nature’s Way

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Higher Education’s Way

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the Specialists’ Way

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Nature’s Way

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1. the Involvement of Everyone

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What Is A Living Tradition?

★ Insight
★ Resonance
★ Repetition
★ Adoption

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Toward a Living Tradition

★ Insight
★ Cause
★ Movement
★ Living Tradition
THE DEATH of TRADITION

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Building the Future
Can Traditional Architecture and Urbanism be Green?
21 - 22 November 2006, London, UK

Sustainable design has changed the direction of this century’s architecture and sustainable communities have become the mantra for planning. The growing awareness of global climate change has led to an awakening of interest in green urbanism and architecture. Most often, green design is seen as something that is quite high tech, as opposed to natural. Vernacular architecture and organically evolved cities have always responded to the limits of the time, whether in response to climate, to resources, or to skills.

This conference examines whether vernacular traditions can offer some lessons about responding to today’s environmental challenges, and the emerging limits imposed by climate change.

Speakers

- Bill Dunster
- Elizabeth Moule
- Stefanos Polyzoides
- James Steele
- Quinlan Terry
- Tom Woolley & others.

The need to create a traditional response is vital when one considers two factors: the overwhelming preference of consumers for traditional residences and the fact that, according to the Sustainable Development Commission, 75% of the homes in which Britons will live in 2050 have already been built. Prominent architects, urbanists and scientists will examine ways that traditional architecture and urbanism can respond to 21st century environmental issues; will look at the sustainable refurbishment of Victorian and Edwardian terraces and will develop a practical agenda for moving forward.

The conference is organised with the support of our partner the Building Research Establishment. The event will be held at:
“This is how we build here.”
That which can reproduce and live sustainably is green; that which is incapable of doing so is not green.

This is the standard of life.

Life is that process which creates all things green.
What Is the Original Green?

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The Original Green

PLACES
NOURISHABLE
ACCESSIBLE
SERVICEABLE
SECURABLE

BUILDINGS
LOVABLE
DURABLE
FLEXIBLE
FRUGAL
Nourishable Places

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Opportunistic

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Slope-Adaptable

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Scales of Agriculture

★ Employing Farm
★ Family Farm
★ Allotment Garden
★ Edge Yard Garden
★ Courtyard Garden
★ Roof Garden
★ Arbor Garden
★ Wall Garden
★ Balcony Garden
★ Window Garden

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EMPLOYING FARM

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Family Farm
Allotment Garden

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Edge Yard (Front Yard) Garden

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Courtyard Garden

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Roof or Terrace Garden

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Arbor Garden

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Wall Garden

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Balcony Garden

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Accessible Places

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Walkability: Alleys

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Walkability: Frontages

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Walkability: Porches

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PEDESTRIAN PROPULSION

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SERVICEABLE PLACES
Knitting It Together

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SIDE-EFFECTS

★ Impromptu Market Squares
★ Street Performers & Other Characters

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Reducing Property Values of the Adjacent Homes

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Affordability:
Rear Lane Addresses

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Affordability: Mews

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Securable Places

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Lovable Buildings

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Down the Unlovable Carbon Stair-steps

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Beauty or Lovability?

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Beauty or Lovability?

- Admiration
- Action
- Breadth

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THREE SOURCES of LOVABILITY

★ Things that Reflect Us
★ Things that Delight Us
★ Things that Put Us in Harmony

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Things that Reflect Us

★ Reflecting *the* Human Form

★ Reflecting *the* Culture of our Groups

★ Reflecting *the* Culture of our Region

★ Reflecting *the* Culture of our Nation

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Things that Delight Us

★ Sensual
★ Group
★ Memory
★ Intellectual
★ Sheltering
★ Challenging

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Sensual Delight

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Cool Breeze
SIGHTS
Group Delight

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SPORTS
Political Assembly
SETTING the STAGE

★ ACCIDENTAL MEETINGS
★ GEOMETRY

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Front Porch Principles

Porch Floor Height
(Above sidewalk, measured at front edge of porch)
Front Porch Principles

Fence, Hedge & Wall Reduction Factors
(Deduct from minimum required porch floor height)

Top (double dot) line is fence
Bottom (single-dot) line is hedge & wall

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**Front Porch Principles**

**Porch Railing Adjustment Factors**
(Adjust minimum required porch floor height)

Top (dotted) line is additional height required when no railing is used.
(This does not work close to the sidewalk because of building code requirement that railing be used for porches higher than 30” above grade at porch edge.)

Bottom (triple-dot) line is height reduction allowed for masonry or 75%+ solid wood rails.

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SHELTERING DELIGHT

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Embracing Spaces
Bracing Places
Things that Put Us in Harmony

★ Mathematical
★ Simplicity
★ Authenticity
★ Natural Processes
★ Natural Laws
★ Natural Forms
★ Harmony with the Region

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Mathematical Harmony
Rational Proportions
The Third Dimension
HARMONY with NATURAL Processes

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HARMONY with NATURAL LAWS

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Gravity
THERMODYNAMICS
Harmony with the Region

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Beaufort
Pienza
Ridiculous
Durable Buildings

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“No Maintenance”

Repairable & Patchable

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Flexible Buildings

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Proximity to Street

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Ceiling Height

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Simplicity of Massing

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Simplicity of Circulation

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Pipes

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Frugal Buildings

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Sustainability and the Meltdown

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Be Frugal First
Then Bridge The Gap

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Putting Buildings Back to Work

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The Original Green

PLACES

NOURISHABLE
Organic Farming

ACCESSIBLE
Compact & Walkable

SERVICEABLE
Diverse

SECURABLE
Identity

BUILDINGS

LOVABLE
NU: Living Codes

DURABLE
Living Traditions

FLEXIBLE
Living Traditions

FRUGAL
Living Traditions

GIZMO GREEN
What Can I Do?

1. Make a Living Where You’re Living
2. Live Where You Can Walk to the Grocery
3. Build Outdoor Rooms
4. Raise a Victory Garden
5. Operate Naturally
6. Choose Community Instead of Gates
7. Smaller with Many Uses
8. Choose It for Longer Than You’ll Use It
9. Don’t Succumb to the No-Maintenance Myth
10. All the Other Stuff

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10. Do All the Stuff You Already Know
9. Give a Gift to the Street

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8. Choose It for Longer Than You’ll Use It

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7. Choose Smaller Stuff with Double Duty

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6. Live Where Friends Visit Unannounced

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5. **Operate Naturally**

[Image of two people looking out of a window with a dog, and a flower basket hanging below.]
4. Raise a Victory Garden

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3. **Build Garden Rooms in Your Yard**

[Image of a garden with text overlay]

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2. Live Where You Can Walk to the Grocery

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1. Make a Living Where You’re Living
The Demographic Bomb

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SPRAWL REPAIR MANUAL

GALINA TACHIEVA
Civic Space

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Restaurants

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Incubators

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SINGLE-CREW WORKPLACE

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Bed & Breakfast Benefits
Neighborhood Market

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Live-Work Units:
Work Below

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Work in Apartment
Frontage

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Work in Row House Frontage

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Work in Detached House Frontage

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Work Behind

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Work Nearby

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Residential Transition

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Workshops

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Size Variation

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New Construction

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Broader Housing Types

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MEETING the Sky

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Breeze Chimney

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Tower of Wind and Water

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Invisible Things

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Windows and Shutters

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Laundry Eave

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Chickens and Compost

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GREEN WALL

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Curtain Columns

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Cool Dip in the Master Garden

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The Unburdening of America

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Bringing Families Back Together

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