Nature of Place Symposium

The Lost Language of Love in Architecture

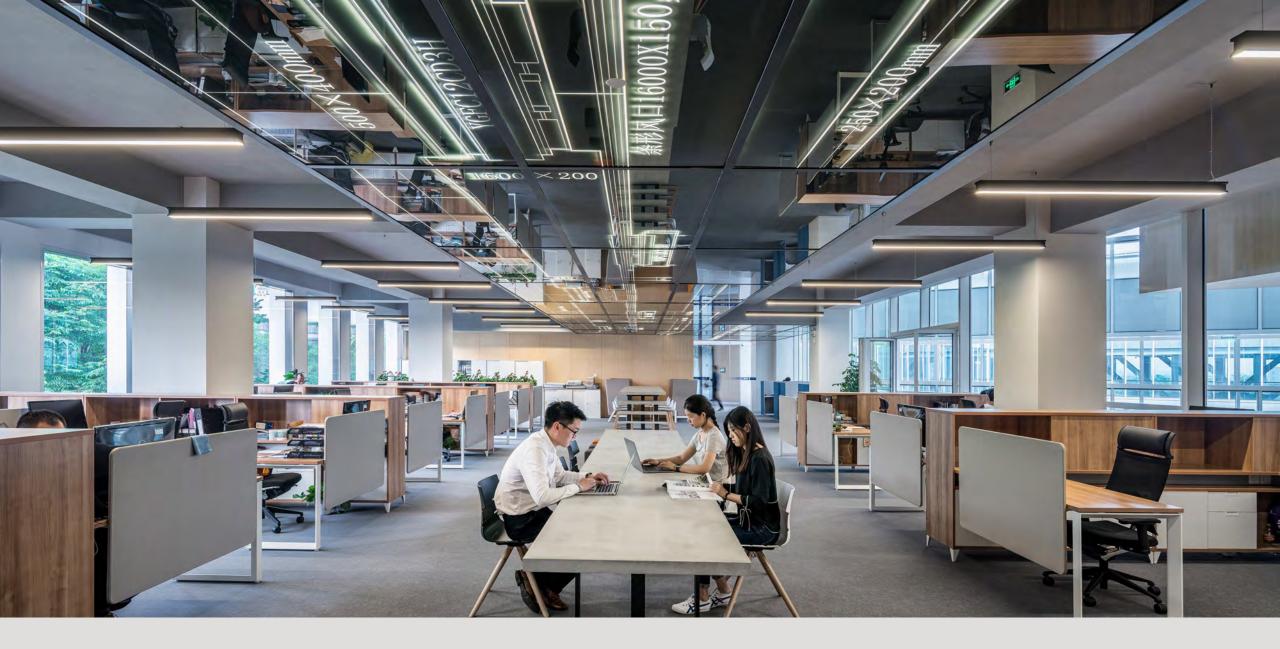
Sonja Bochart IIDA, LEED AP BD&C, WELL AP Principal, Shepley Bulfinch







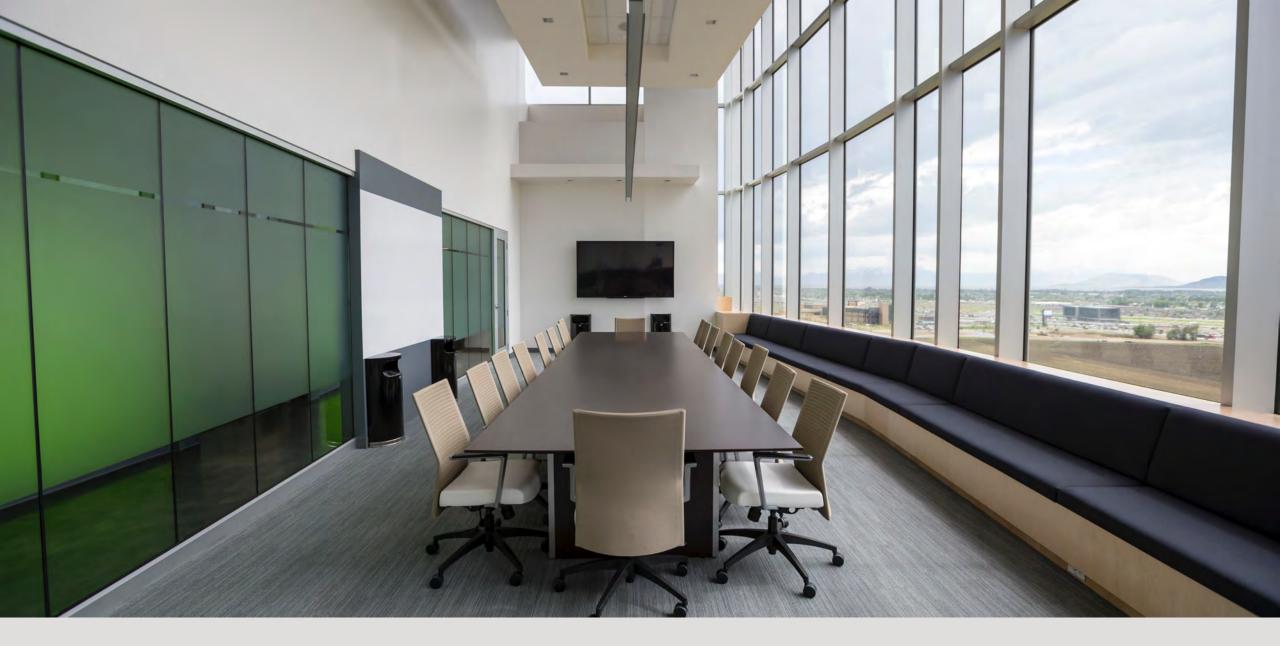




Design aesthetics as driver.



Prioritizing efficiency and cost control.



Are you feeling the love?



Biophilia

"Our passionate love of life, and all that is alive."

Erich Fromm 1964



Biophilia and Well-being

- Physical
- Mental
- Emotional





Why is this essential?

Urbanization has increased

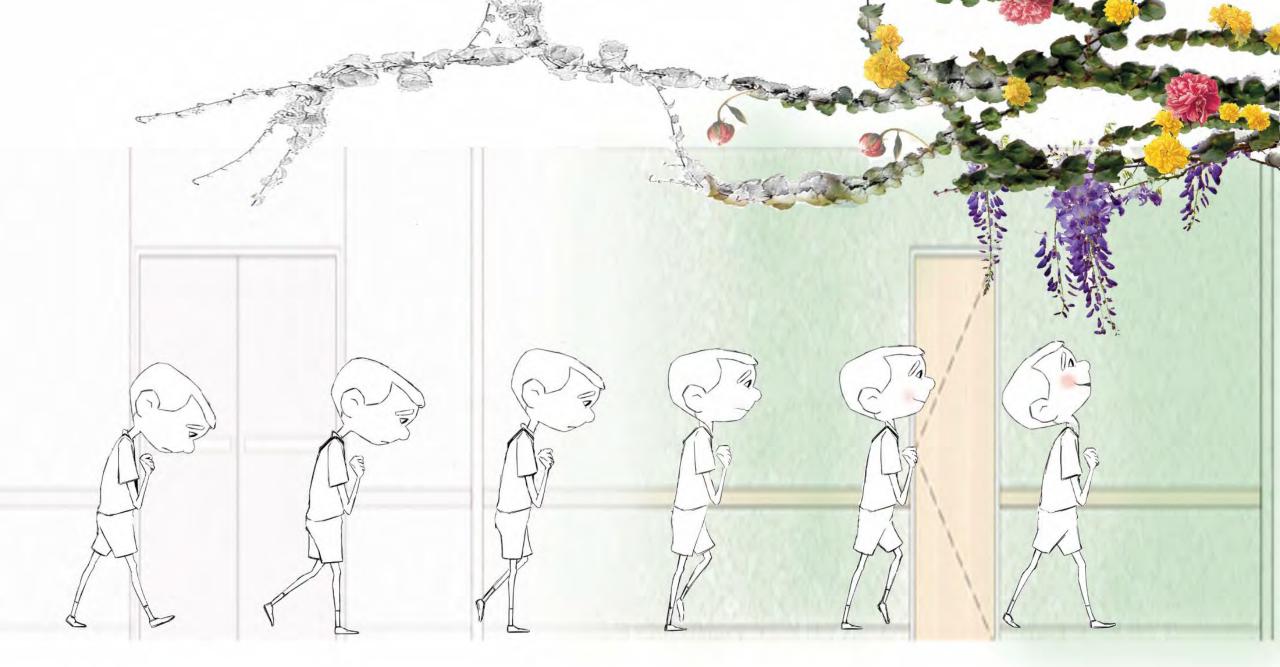
- Stress
- Crime
- Absenteeism
- Depression



Biophilic Design

Fostering of human-nature connection in the built environment.





An interpretation of biophilic design Arizona State University Design Healing Design Studio, 2017

Community

Development

Healthcare

Retail

Workplace

Education



The Value of Biophilia

- Stress reduction
- Community connection
- Increase longevity
- 25% Violence/aggression reduction
- 8% Crime reduction
- 20% Increase youth selfdiscipline



Increase of Property Value

- +58% Waterfront
- +37% Park views
- +7% Forest views
- +5% Water views
- +5% Landscaping or park



- Decreased stress, anxiety
- Improved mood, outlook, collaboration
- Reduced length of stay-8% shorter
- Increased effectiveness of treatment
 - -20% reduction painkillers



- Consumers shown to pay+25% more
- Longer duration spent in stores
- Buffers stress of shopping
- Higher frequency of repeat business



- Increased productivity +6%
- Increased levels of creativity
- Stress reduction
- Increased staff mood and overall satisfaction
- 10% of staff absences are attributed to design with no connection to nature
- Absenteeism accounts for 4% of operating cost

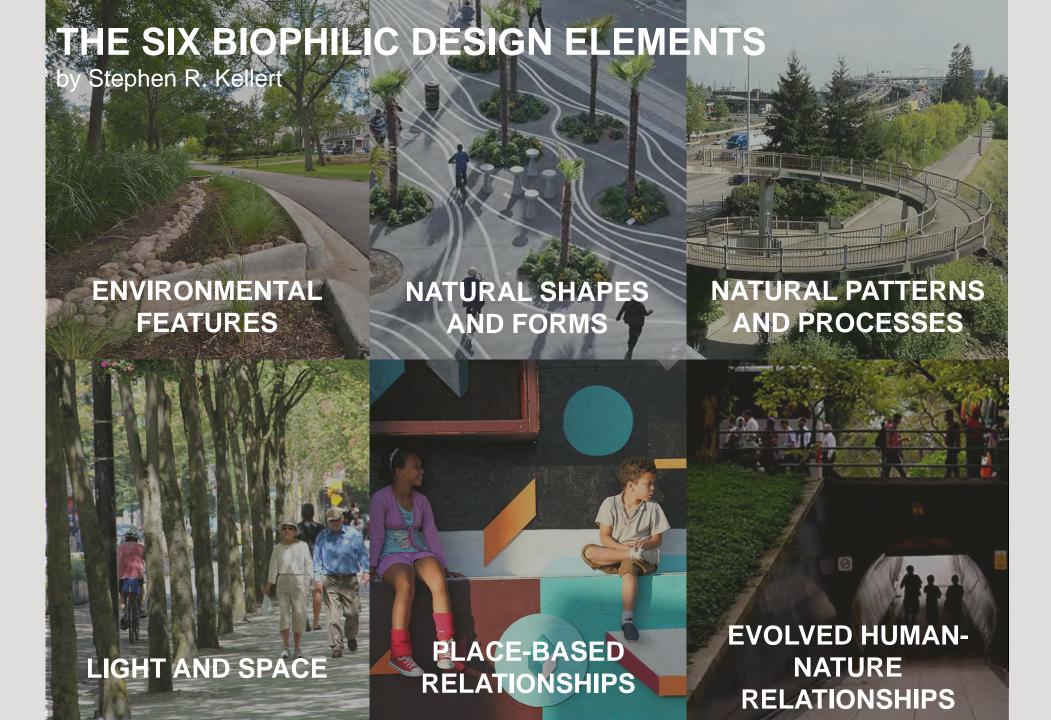


- Decreased stress
- Improved attendance3.5 days
- Improved attentionADHD symptoms reduced
- Improved test scores+15%
- Improved self-discipline
- Improved learning+20% school curricula



How do we design with Biophilic Design?























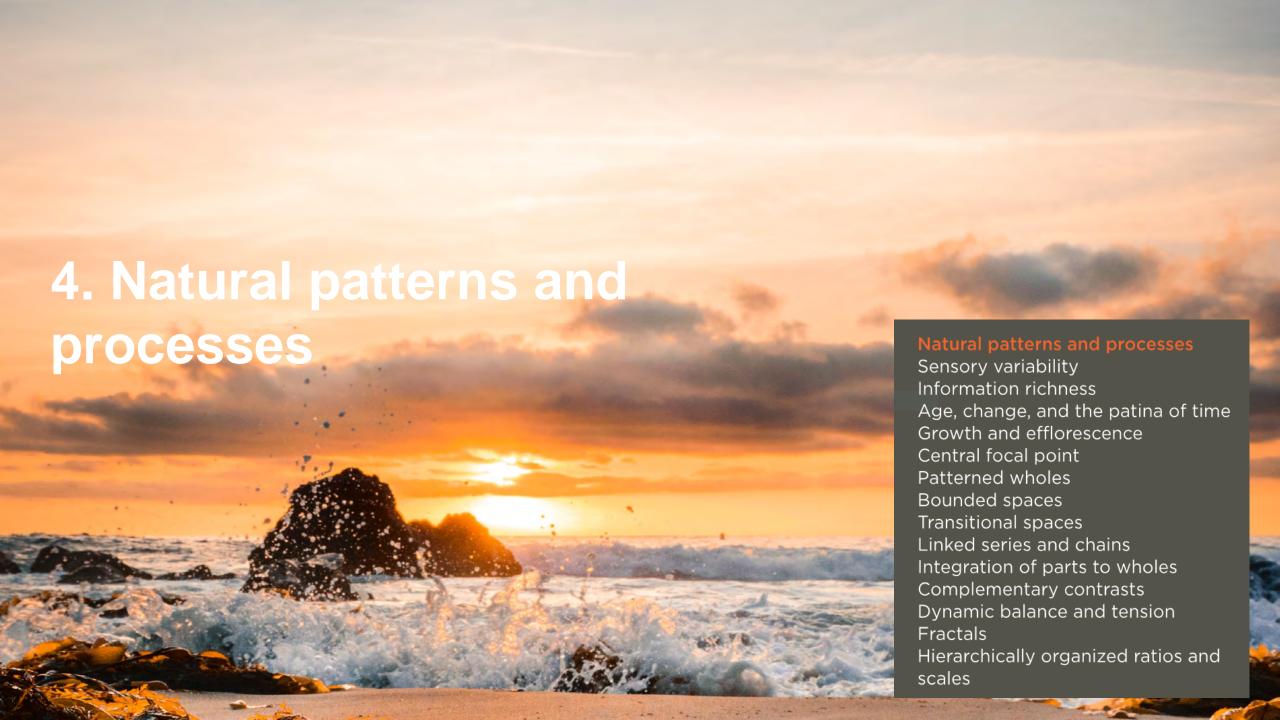








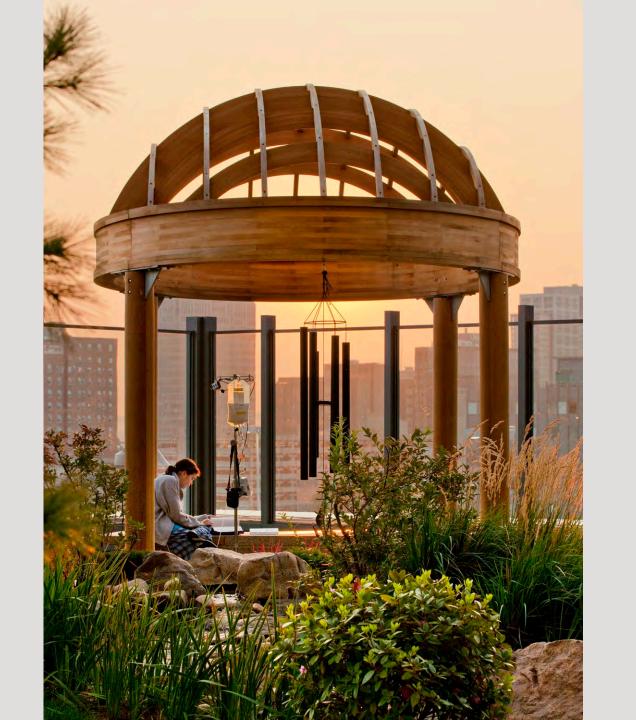
































Revealing "essence" in biophilic design



Essence and biophilic design

- Early engagement
- Integrative and Inclusive
- Experiential
 - Mindfulness
 - Nature immersion
 - Play + storytelling
- Regenerative mindset (support life!)



http://phipps.conservatory.org/design

To carry with you...

To deepen your connection

Explore Biophilic Design Chapter 1

Kellert, Heerwagon, Mahor

- Start where you are
- Learn the "Essence"
 of a place
 Gardens, Historians,
 Museums, Cultural centers,
 Indigenous people, Elders,
 native landscapes. Parks.
 Community. Plants, Animals,
 Art





Thank you.

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Sonja Bochart, IIDA, WELL AP, LEED BD&C sbochart@shepleybulfinch.com

