Technology: Intuition vs Intervention
objectives

• To examine different ways to embrace technology as a sustainable design enabler.

• To embrace either by returning to intuitive passive design fundamentals or by intervening through optimal utilization of emerging technological tools and techniques.

• To elicit new insights on technology in facilitating more sustainable buildings in our tropical climate.
“Water are “phenomenal lens” with powers of reflection, spatial reversal and transformation of rays of light…”

Credit: Steven Holl, *House of Vapor*, Cranbrook Inst. of Science, Bloomington, MI, USA

Credit: Steven Holl, “Story of Water” Passage, Cranbook Inst. of Science, Bloomington, MI, USA
**definition**

... *power* of attaining direct knowledge or cognition without evident rational thought and inference

**intuition**

... *act* of coming in between by way of hindrance or modification
definition

intuition

… an internalized insight contemplating passive design strategies, often results in cost-effective design solutions

intervention

… an externalized mediator employing new technological tools and techniques, results in cutting edge innovative design solutions
TECHNOLOGY AS DESIGN ENABLER

Intuition
internalized insight

Intervention
externalized mediator

Performance

Fashion

Identity

SAGRADA FAMILIA CHURCH

SFO FEDERAL RESEARCH

2BARCHTECTS
…**embrace** technology as an innovative design enabler

…**elicit** new insights on technology in facilitating sustainable designs

In flight…

In the expressway…

In dwelling…
...**embrace** technology as an innovative design enabler
...**elicit** new insights on technology in facilitating sustainable designs
technology

Credit: Mauro Taliani, Oricalco, 2001

Credit: SANAA: Dior Omotesando, Tokyo, 2003
technology
precedence

termite mound, Africa

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TERMITE MOUND
precedence

termite mound, Australia

sagrada familia, Spain

Credit: Internet

Credit: Antonio Gaudi, 1883
Project:

Sagrada Familia, Spain

“my client is not in a hurry…” Antonio Gaudi.
precedence

perforated tee

perforated skin, SFFR

Credit: Internet
project

san francisco federal reserve building
project

san francisco federal reserve building
project

san francisco federal reserve building
project

san francisco federal reserve building

sky garden

grand window

sky garden

grand window
project

san francisco federal reserve building
project

faber park residence
project

faber park residence
project

taber park residence
project

faber park residence

water strategy
project

faber park residence
reflections

thank you!

Credit: Anonymous, website photo
CONTACTS

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