Academy of Neuroscience for Architecture

in partnership with UC San Diego, the Salk Institute & the NewSchool of Architecture & Design presents

ANFA INTERFACES 2011

A series of discussions about emerging research at the intersection of Neuroscience and Architecture

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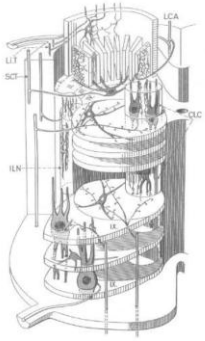
Brains, Machines and Buildings

March 2, 2011

Presented by: Michael Arbib, PhD
Commentary by: Gil Cooke, AIA

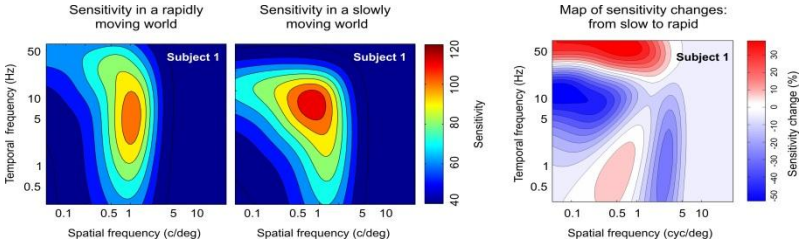


The talk will introduce Neuromorphic Architecture, exploring ways to incorporate "brains" into buildings, developing the view that future buildings are to be constructed as perceiving, acting and adapting entities. Dramatic new developments will emerge as we explore the lessons from neuroscience on how the brain supports an animal's interactions with its physical and social world to develop brain operating principles that lead to new algorithms for a neuromorphic architecture which supports the "social interaction" of rooms with people and other rooms to constantly adapt buildings to the needs of their inhabitants and enhance interactions between people and their environment.

Vastu Veda in the Age of Neuroscience: Some Brain-Based Principles for the Design of Human Environments

April 20, 2011

Presented by: Tom Albright, PhD
Commentary by: John Eberhard, FAIA

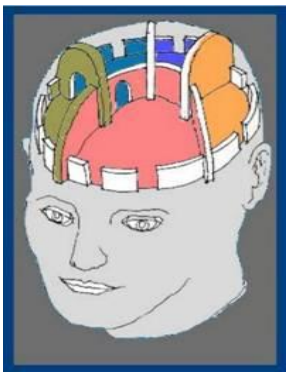


The discipline of architecture has deep roots in ancient traditions that seek to optimize human behavioral and physiological responses to the built environment. Contemporary neuroscience takes this mission to a new level, in which the design of human spaces – spaces for learning, creation, decision and action – may be qualified and quantified by influence on information processing systems of the brain. The implications of this new neuroscience for architecture will be explored by consideration of brain mechanisms for acquisition, storage, organization, retrieval and use of information within the spaces we inhabit.

Great Expectations: Architecture in the Age of Neuroscience

May 25, 2011

Presented by: Alison Whitelaw, FAIA LEED ap BD+C
Commentary by: Eduardo Macagno, PhD



Sustainable design practices and metrics have focused on designing and measuring "High Performance Buildings." As neuroscience research increasingly informs us about how the human brain responds to the built environment, how can architects increasingly design for, and measure, "High Performance Occupants?"

Short tours of the 3D immersive Virtual Reality CAVE at Calit2 will be offered beginning at 5pm. A demonstration of the newly developed CAVE-CAD software for designing architectural environments will be featured. *The development of CAVE-CAD was made possible by a generous gift from HMC Architects.*

Reservations are REQUIRED for a tour of the CAVE facility – please email anfarch@gmail.com to reserve your spot.

The mission of the Academy of Neuroscience for Architecture is to promote and advance knowledge that links neuroscience research to a growing understanding of human responses to the built environment.

ANFA
ACADEMY OF NEUROSCIENCE FOR ARCHITECTURE

March 2, 2011
6:00pm
Museum of Contemporary Art San Diego Downtown

April 20, 2011
6:00pm
The Salk Institute

May 25, 2011
6:00pm
UC San Diego Calit2 Auditorium

Free Admission
Reservations Recommended
RSVP to: anfarch@gmail.com

Sponsors:

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