

NEUROSCIENCE FOR ARCHITECTURE SUMMER INTERSESSION PROGRAM PROPOSAL FOR OFFERING AIA CONTINUING EDUCATION CREDIT

NewSchool of Architecture and Design
August 12-16, 2019

Abstract:

This four and one-half day program aims to provide attendees with a “deep dive” into Neuroscience for Architecture through participation in presentations, workshops, discussions and a field trip with NewSchool NfA faculty and invited guest speakers. Participants will come away with an understanding of current research and thinking on how the brain processes the built environment, and what this means for 21st-century architectural practice.

Learning Objectives:

- Understand how neuroscientists and architects collaborate on research and on practice.
- Attain a basic understanding of neurological phenomena such as embodiment and affordance as they relate to environmental design factors.
- Have an introduction to current research by selected neuroscientists on architecturally-significant topics such as way-finding and visual perception.
- Hear from guest practitioners on current applications of neuroscience in their architectural work.
- Engage in hands-on experiences with state-of-the-art neuroscientific technology that may serve as models for future work utilizing an EBD (evidence-based design) process.

As a focus of the program is on the brain and its perception of environment, touching on aspects of human health, safety and welfare, we believe the content qualifies for HSW continuing education credit.

Format:

The program begins each day at 9 am with lectures and related activities that end around noon. Afternoon activities include “Roundtable Workshops” that seek to expand on each day’s theme. Friday morning, the program concludes with a guided tour of the

Salk Institute and facilities at UCSD. Architects giving presentations all have experience with aspects of neuroscience. Scientist presenters have been selected for their focus on research in the built environment; some have worked closely with architects. We propose continuing education learning units be distributed as follows:

Monday, August 12th:

9 am – 11 am	Lectures by architect Harry Mallgrave and neuroscientist Thomas Albright	2 units
2 pm – 3 pm	Lecture by Alison Whitelaw, FAIA	1

Tuesday, August 13th:

9 am – 11 am	Lectures by scientists Donald Norman and Michael Arbib, followed by a Dialogue	2
2 pm – 5 pm	Lectures by James Sallis, scientist and architect Ilaria Mazzoleni followed by a panel conversation with all four speakers	2

Wednesday, August 14th:

9 am – 12 noon	Lectures by scientists Eduardo Macagno and Ellie Chaer and architects Soulaf Abruas, Biayna Bogosian and Kris Mun followed by a panel discussion amongst all presenters	3
2 pm – 4 pm	Lectures by architects Myles Sciotto, Behnaz Fahraz and Guvenc Ozel and scientist Dane Clemenson	2

Thursday, August 15th:

9 am – 12 noon	Lectures by neuroscientist Sergei Gepshtein and architects Marcos Novak and Carlo Ratti followed by a Dialogue	3
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TOTAL HSW LEARNING UNITS: 15