

PROGRAM – SUMMER 2018

*Unless otherwise noted, all activities take place at NewSchool of Architecture & Design
This program is subject to change.*

Monday, August 13 – The State of the Art: Neuroscience for Architecture and Design

8:00 am	Registration; continental breakfast
9:00	Welcoming Remarks Marvin Malecha, FAIA , NewSchool President, Kurt Hunker, FAIA , Acting Dean, Architecture and CM
9:20	Neuroscience for Architecture: The State of the Art (Applications in Architectural Practice) Eve Edelstein, PhD , Human Experience Lab, Perkins + Will San Francisco
10:30	Neurophysiological Responses to the Built Environment: What Can We Measure, and What Does It Mean? Eduardo Macagno, PhD
11:15	Parts of Space Sergei Gepshtein, PhD
12:00 pm	Lunch and Conversation at the Courtyard – Student Introductions
2:00	Master Class #1 Eduardo Macagno, PhD, Gilbert Cooke, FAIA , Dean Emeritus, Kristine Mun, PhD, Eve Edelstein, PhD
5:30	Break
6:00	Social hour with libations and hors d'oeuvres Art Center Gallery

The opening day of the program explores the State of the Art in Neuroscience for Architecture and Design, with a special focus on pedagogy and practice. Three lectures in the morning, delivered by Drs. Edelstein, Macagno, and Gepshtein, present research methodologies and design applications in both architectural practice and the research laboratory. The Master Class allows students to practice application of neuroscience research strategies in a design charrette. The day ends with the first social hour of the Program, where students, faculty, and guest speakers have a chance to continue the discussion in a more informal setting.

Tuesday, August 14 – Neuroscience and the Debate Between Science and Art

8:00 am	Continental breakfast
9:00	Towards a Cognitive Neuroscience of Architectural Design Michael Arbib, PhD , UC San Diego
10:00	Neurogenesis Fred “Rusty” Gage, PhD , Salk Institute
11:00	Architecture as Experience - Existential Meaning in Architecture Juhani Pallasmaa, Hon. FAIA, Finland
12:15 pm	Lunch
2:00	Master Class #2 Sergei Gepshtein, PhD , Salk Institute, Tatiana Berger , Coordinator of Neuroscience for Architecture Program at NewSchool
5:00	Break
5:30	Roundtable Discussion Billie Tsien, FAIA (TBC), Marvin Malecha, FAIA , NewSchool President, Kurt Hunker, FAIA , Acting Dean, Architecture and CM, Alberto Perez-Gomez, PhD, Michael Arbib, PhD, Eve Edelstein, PhD , Moderated by Juhani Pallasmaa, Hon. FAIA
7:00	Dinner on one's own.

The second day is dedicated to Neuroscience for Architecture and the debate between science and art, with participation of NewSchool President Marvin Malecha, FAIA and Dean of Architecture and Construction Management, Kurt Hunker, FAIA. We begin with Arbib's and Gage's cutting-edge research and Pallasmaa's existential approach to phenomenology. During the Master Class, students have a chance to develop an evidence-based design, applying concepts discussed earlier in the day. The day finishes with a roundtable discussion about the bridges being built between science and art, including the exciting insights from neuroscientific experiments and their interpretation in cognitive science and phenomenology. Juhani Pallasmaa, distinguished award-winning architect, author, and teacher moderates this unique debate.

Wednesday, August 15 – Neuroscience for Healthy Urbanism

8:00 am	Continental breakfast
9:00	Children and The Experience of Nature Richard Louv , Author
10:00	Neuroscience for Urbanism Colin Ellard, PhD
11:00	Towards a Neuroscience for Architecture and Urbanism Thomas Albright, PhD
12:00 pm	Lunch
2:00	Master Class #3 and Field Trip – Downtown San Diego Colin Ellard, PhD, Michael Stepner, FAIA, Eve Edelstein, FAIA, Kristine Mun, PhD
5:00	Break
5:30	Roundtable Discussion Colin Ellard, PhD, Juhani Pallasmaa, Hon. FAIA, Eduardo Macagno, PhD, Eve Edelstein, PhD, Howard Blackson, AIA , Moderated by Michael Stepner, FAIA
7:00	Program Reception (location to be announced)

The third day focuses on applications of current neuroscience research in urban design, with participation of The Chair of Architecture Programs at NewSchool, Michael Stepner, FAIA. Richard Louv kicks off the morning lectures with his call for nature to be included in design of cities for health and emotional well-being. Colin Ellard then speaks about research that measures human response in urban experience. This lecture is followed by Thomas Albright, PhD, an authority on the neural basis of visual perception, memory and visually guided behavior. During the Master Class and field trip in downtown San Diego, students will be able to practice urban analysis and perception mapping techniques. The day finishes with a roundtable discussion about the benefits of utilizing knowledge from neuroscience and cognitive science for human health in urban design.

Thursday, August 16 – Neuroscience for Art and Design

8:00 am	Continental breakfast
9:00	Practicing Billie Tsien, Williams & Tsien Architects , NYC
10:30	In Quest of Attuned Architectural Atmospheres: Contributions of Cognitive Theory and Neurophenomenology Alberto Perez-Gomez, PhD
12:00 pm	Lunch
2:00	Roundtable Discussion Billie Tsien, Williams & Tsien Architects , NYC, Thomas Albright, PhD , Salk Institute, Sergei Gepshtein, PhD , Salk Institute, Alberto Perez-Gomez, PhD, Chuck Pelli, Michael Detullo , Moderated by Elena Pacenti, PhD
4:00	Reflections, final comments, awarding of certificates Marvin Malecha, FAIA, Kurt Hunker, FAIA
5:00	Social hour with libations and hors d'oeuvres Art Center Gallery
6:30	Program ends

The fourth day is dedicated to exploring the development of Neuroscience for Design, with the participation of the Dean of the Design School at NewSchool, Elena Pacenti, PhD and distinguished guest faculty from New York and Montreal. The morning lecture by Billie Tsien, NYC, shows real-world examples of experiential architecture that engages our senses, in the practice portfolio of one of America's most famed design offices. A special lecture about Neurophenomenology by Alberto Perez-Gomez, renowned theoretician, author and teacher at McGill University in Canada continues as another highlight on this fourth day of the Program. The day finishes with a roundtable discussion about the future of interior and product design, focusing on sensory perception and the impact that current research in neuroscience can have on design and health.

Friday, August 17 – Tour of the Salk Institute and The Scripps Research Institute (optional)

8:30 am	Bus departs NewSchool for La Jolla
9:00	Salk Institute Tour (Architect: Louis Kahn)
11:30	The Scripps Research Institute Tour, former Neurosciences Institute (Architects: Williams & Tsien) Tour by Billie Tsien
12:30 pm	End of tour Bus returns to NewSchool