

**PROGRAM – SUMMER 2018**

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

**Monday, August 13 – Neuroscience for Architecture****Space, Movement and Representation**

8:00 AM	Registration; continental breakfast
8:45	Welcoming Remarks   <b>Marvin Malecha, FAIA</b> , NewSchool President, <b>Kurt Hunker, FAIA</b> , Acting Dean, Architecture and CM
9:00	Lecture title TBA   <b>Fred Gage, PhD</b>
10:00	Neurophysiological Responses to the Built Environment: What Can We Measure, and What Does It Mean?   <b>Eduardo Macagno, PhD</b>
11:00	Parts of Space   <b>Sergei Gepshtein, PhD</b>
12:00 PM	Lunch and Conversation at the Courtyard – Student Introductions
2:00	Master Class #1   <b>Sergei Gepshtein, PhD, Eduardo Macagno, PhD, Tatiana Berger, Assoc. AIA</b> , Director of Neuroscience for Architecture Program at NewSchool
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 the larger area of Neuroscience for Architecture, with a special focus on dynamics of experience and its representation. Three lectures in the morning concentrate on how architectural space and movement can be investigated using tools of neuroscience and how the results can be represented. Dr. Gage speaks about (TBA). Dr. Macagno covers recent research in wayfinding and asks how wayfinding can be improved using biometric measurements. Dr. Gepshtein explores the question of the spatial structure of experience and asks how it can be represented in the design process. The Master Class allows students to practice application of these ideas. 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 – Rapprochement Between Neuroscience and Art****Architecture of Experience and Adaptation**

8:00 AM	Continental breakfast
8:45	Architecture as Experience - Existential Meaning in Architecture   <b>Juhani Pallasmaa, Hon. FAIA</b> , Finland
10:00	When Buildings Have Brains   <b>Michael Arbib, PhD</b> , UC San Diego
11:00	Dynamic & Responsive Architecture ( <i>tentative title</i> )   <b>Kristine Mun, PhD</b> , NewSchool
12:00 PM	Lunch
2:00	Master Class #2   <b>Juhani Pallasmaa, Hon. FAIA, Michael Arbib, PhD, Kristine Mun, PhD</b>
5:00	Break
5:30	Roundtable Discussion   <b>Marvin Malecha, FAIA</b> , NewSchool President, <b>Kurt Hunker, FAIA</b> , Acting Dean, Architecture and CM, <b>Sergei Gepshtein, PhD, Eduardo Macagno, PhD, Michael Arbib, PhD, Kristine Mun, PhD</b> , Moderated by <b>Juhani Pallasmaa, Hon. FAIA</b>
7:00	Dinner on one's own.

*The second day is dedicated to the topic on the Rapprochement of Neuroscience and Architecture with participation of NewSchool President Marvin Malecha, FAIA and Dean of Architecture and Construction Management, Kurt Hunker, FAIA. The three lectures in the morning by Pallasmaa, Arbib and Mun set the framework for a dialogue between the two disciplines. During the Master Class, students continue to explore this relationship by mapping and diagramming a series of inquiries and relationships between bio-data to environmental data, i.e. what shall we measure, how shall we measure and what are we aiming to uncover. 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**

**Urban Design and Human Health**

8:00 AM	Continental breakfast
9:00	The Nature Principle   <b>Richard Louv</b> , Author
10:00	Neuroscience for Architecture and Urban Design ( <i>tentative title</i> )   <b>Eve Edelstein, PhD</b> , Human Experience Lab, Perkins + Will San Francisco
11:00	Neuroscience for Urbanism   <b>Colin Ellard, PhD</b>
12:00 PM	Lunch
2:00	Master Class #3 and Field Trip – Downtown San Diego   <b>Colin Ellard, PhD, Michael Stepner, FAIA, Howard Blackson, AIA, Eve Edelstein, PhD, Kristine Mun, PhD</b>
5:00	Break
5:30	Roundtable Discussion   <b>Colin Ellard, PhD, Juhani Pallasmaa, Hon. FAIA, Eduardo Macagno, PhD, Eve Edelstein, PhD, Howard Blackson, AIA</b> , Moderated by <b>Michael Stepner, FAIA</b>
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. Eve Edelstein follows with (TBA). Colin Ellard then speaks about research that measures human response in urban experience. During the Master Class and field trip in downtown San Diego, students 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**

**Visual Response and Engagement**

8:00 AM	Continental breakfast
9:00	Practicing   <b>Billie Tsien, FAIA, Williams&amp;Tsien Architects</b> , NYC
10:15	Towards a Neuroscience for Architecture and Design   <b>Thomas Albright, PhD</b>
11:30	Break
11:45	In Quest of Attuned Architectural Atmospheres: Contributions of Cognitive Theory and Neurophenomenology   <b>Alberto Perez-Gomez, PhD</b>
1:00 PM	Lunch
3:00	Roundtable Discussion   <b>Billie Tsien, FAIA Williams&amp;Tsien Architects</b> , NYC, <b>Thomas Albright, PhD</b> , Salk Institute, <b>Alberto Perez-Gomez, PhD, Sergei Gepshtein, PhD, Michael Detullo</b> (TBC), <b>Jennifer Luce</b> (TBC), Moderated by <b>Elena Pacenti, PhD</b>
5:30/6:00	Reflections, final comments, awarding of certificates   <b>Marvin Malecha, FAIA, Kurt Hunker, FAIA</b> Social hour with libations and hors d'oeuvres   Art Center Gallery
7:00	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 speakers 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. This lecture is followed by Thomas Albright, PhD, an authority on the neural basis of visual perception, memory and visually guided behavior. A special talk about Neurophenomenology by Alberto Perez-Gomez, renowned theorist, 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, introduced by designers Detullo and Luce, about the future of interior and product design, focusing on emotional response and user engagement 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