

CONNECTIONS: BRIDGESYNAPSES

THURSDAY, SEPTEMBER 22nd: PRE-CONFERENCE EVENT AT
THE UNIVERSITY OF CALIFORNIA, SAN DIEGO (LA JOLLA, CALIFORNIA)

FRIDAY, SEPTEMBER 23rd - 24th: CONFERENCE AT THE
SALK INSTITUTE (LA JOLLA, CALIFORNIA)

CONFERENCE AGENDA



THURSDAY, SEPTEMBER 22, 2016

12:30 to 6 pm: Pre-Conference - UCSD QI/Calit2

12:30 – 1:30 pm Registration

1:30 – 1:45 pm Welcome & Introductions
Gil Cooke & Ramesh Rao

1:45 – 2:30 pm Invited Speaker:
Sheldon Brown
"Accelerating Human Imagination"

2:30 – 3:30 pm ANFA Student Competition Finalist Presentations
Luis Vasquez: Introduction and Context
Student finalist presentations

3:30 – 4:00 pm Break + demonstrations using various VR technology
Student projects, Yantalo, Sheldon Brown's projects

4:00 – 4:30 pm Contributed papers, Session #1: Facilitator/Host – Steve Henriksen
"How Educational Environments Impact Learning": John Dale, David Zandvliet, Claire Gallagher, Margaret Tarampi

4:30 – 6:00 pm Invited Panel: "Education at the intersection of Architecture & Neuroscience"
Gil Cooke (facilitator), Tom Fisher, Eduardo Macagno, Marvin Malecha, Bob Condia, Meredith Banasiak, & Grace C. Lee

6:00 – 7:00 pm Tours

FRIDAY, SEPTEMBER 23, 2016

8:30 am to 5:30 pm: Conference – Salk Institute

7:30-8:30 am Registration & Breakfast

8:30-8:45 am Welcome, Thanks & Introductions
Gil Cooke, President

8:45-9:30 am Invited Speaker:
Terry Jernigan
"Thinking about effects of the environment on the developing mind and brain: the ABCD Study"

- 9:30 – 10:15 am Contributed Papers Session #2: Facilitator/Host – Steve Henriksen (15 min intro)
"Urban Stress Index": Martin Knoll
"Can design alter stress response?": Lars Brorson Fich
- 10:15–10:45 am Break + Contributed Posters #1
"De Humani Corporis Fabrica – Fabricating and Measuring Emotions through Architecture": Maria da Piedade Ferreira, Andres Kretzer
"The Practice of Biophilic Design": Elizabeth Calabrese & Stephen Kellert
"Idea Sketches as Traces of Cognitive Styles: The Case of Alvar Aalto": Mark Alan Hewitt
"Resonant Form: The Convergence of Sound and Space": Shea Trahan
"EEG Pattern Recognition and Classification for Thermal Comfort": Xin Shan & En-Hua Yang
"Architecture and Neuroscience: Towards spatial atmosphere and sensory experience in a phenomenology-based design methodology": Ana Rolim, Robson Canuto
"Applied Neuroscience for Architects (an architect's primer)": Bob Condia
"The influence of human distractors with different desk position configurations in a sharing office on the performance of tasks requiring attention and creativity": Young-Ah Rho, Wooree Shin, Seoyoung Lee, Sunghaeng Cho, Hyungjun Kim, & Jaeseung Jeong
- 10:45 –11:30 am Contributed Papers Session #3: Facilitator/Host – Steve Henriksen
"Architecture without vision": Betsy Nolen & Madlen Simon
"Awe inducing Space": Hanna Negami & Colin Ellard
"Towards a critical Neuroaesthetics": Kurt Hunker & Eve Edelstein
- 11:30–12:30 pm Hay Fund Presentation
Facilitator: Fred Marks
2014–15 awards:
"Curiosity as a Design Tool": Itai Palti & Moshe Bar
"Behavioral Response of Autistic Children to Design Interventions": Priyanjali Prabhakaran, Arathy Gopal, Jayprakash R. Syamlal S.
Update on 2012–13 award:
"Vision Science for Dynamic Architecture": Sergei Gepshtein
- 12:30–1:30 pm Lunch + Contributed posters #2
"Enriched Environments Enhancing Psychiatric Care Facilities for Transitional Youth": Lara Chow
"Cognitive perspective ameliorates wayfinding in a complex shopping building having some architectural flaw": Sushil Chandra & Greeshma Sharma
"Hotel of Memory: Interpreting Neuroscience to Design in a Memorable Guest Experience": Alvaro Alvarez
"Culture, Neuroscience, and Design": Sally Augustin
"Using Neuroscience and Experiential Anatomy in Architectural Design: Recent findings regarding organic and rational drawing": Galen Cranz & Chelsea Rushton
"Neuro-Architecture & Workplace Design: How Space can Affect Performance and Well-being": Andrea de Paiva
"Brains Crave Natural Environments": Sandra Callies
- 1:30–2:15 pm Contributed papers Session #4: Facilitator/Host – Steve Henriksen
"Dreaming architectural space into reality": Summer Sutton
"Cognitive decline & enriched environments": Laura Malinin & Aga Burzynska
"Architecture & recovery": Michael Chapman, Michael Nilsson, Warren Reilly, Chris Tucker, Frederick Rohan Walker & Sue Anne Ware
- 2:15 – 3:00 pm Contributed papers Session #5: Facilitator/Host – Steve Henriksen
"HXS: architectural human experience lab": Upali Nanda, Jennifer Kolstad & Heath May
"Windowless spaces": George Christopoulos, Adam Roberts, Chee-Kiong Soh, Eun Hee Lee, Josip Car & Kian Woon Kwok
"At work, in view": Sally Augustin, Melissa Marsh, Kristin Mueller, Sasha Ragland & Cassie Hackel

3:00-3:30 pm	<p>Break + contributed posters #3</p> <p><i>"Emotional Design in Architecture: The Impact of Space on Moods and Behaviors"</i>: Richard Aoun</p> <p><i>"Application of Neuroscience Research of Design Features in Learning Space"</i>: Stephanie Park</p> <p><i>"Architecture and the Sense: A Sensory Musing Park"</i>: Sarah Stein</p> <p><i>"Neuroscience Informing Design: Impact of Fluorescent CCT on Neurodiverse Populations"</i>: Cherif Amor, Michael OBoyle, & Debajyoti Pati</p> <p><i>"Designing Enriched Therapeutic Environments: Intervention in the General Hospital of Chania, Greece"</i>: Konstantinos-Alketas Ouggrinis, Anna Kelesidi, Antonios Krasoudakis, Stratos Georgoulakis, Marianthi-Eirini Kladeftira, Anastasia Katikaridou, & Georgios Lykos</p> <p><i>"Enhancement of work/educational spaces by deriving the design from different neurological workings of the brain"</i>: Joanna-Maria Helinurm</p> <p><i>"ANFA NYC - A Model for Collaborative Neuroarchitecture"</i>: Luke Petrocelli</p>
3:30-5:00 pm	<p>Invited Panel:</p> <p><i>"Neuroscience/Architecture of Incarceration"</i></p> <p>Melissa Farling & Jay Farbstein (facilitators), Richard Wener, Terry Kupers, John McAllister, Rusty Gage, Elizabeth Falcon</p>
5:00- 5:30 pm	Observations & Announcements – Tom Fisher, Gil Cooke
5:30-6:45 pm	<p>Reception + Contributed posters #4 & #5</p> <p><i>"Facades of buildings significantly modulate EEG signals of brain cortical lobes"</i>: Parastou naghbi Rad, Abbas Ali Shahroudi, Hamed Shabani, Kourosh Maboudi, & Reza Lashgari</p> <p><i>"Useful Level of Explanation: Understanding Connections between the Brain, Behavior, and the Built Environment"</i>: Margaret Tarampi & Cheuk Ng</p> <p><i>"Effect of Experience on Wayfinding in a Large, Complex Environment"</i>: Joe Manganello</p> <p><i>"The Tool Sculpting the Designer: Cognitive Influence of Digital Tool in Shaping Contemporary Architectural Practice"</i>: Sangeeth S. Pillai, Gaurav Raheja & Mehul Bhatt</p> <p><i>"Perception based architecture for contemporary health care design"</i>: Christoph Korner</p> <p><i>"The Making of a Place - the Courtyard: An Architectural Typology that Simultaneously Enables Safe Social Aggregation and Reconnections to Nature"</i>: Ilaria Mazzoleni & Richard Molina</p> <p><i>"The Impact of Biomorphic Design on the Memorability of Interior Environments: A Preliminary Study"</i>: Hasti Mirkia, Mark S.C. Nelson, & Amir Assadi</p> <p><i>"The Scope of Empathy in Architecture: From the design process to the user's experience, and back"</i>: Anne Tuscher</p> <p><i>"Towards Quantifying the Impact of the Built Environment on Human Experience: Elements of Experimental Design"</i>: Ahmed Radwan & Semiha Ergon</p> <p><i>"Utilizing Architectural Diagrams to Create Geometric Forms that Anticipate User Responses"</i>: Michael Wacht</p> <p><i>"The perception of symmetry in architecture, and eye movement study"</i>: Sharareh Ghanbari Azaneir, Syed Abbas Agha Yazdanfar, Seyyed Bagher Hosseini, & Mohammad Reza Daliri</p> <p><i>"The Sound of Creativity: Correlating brainwave & psychometric changes within workplace acoustics"</i>: Luke Lavery & Eve Edelstein</p> <p><i>"Designing Happiness: Nature, Beauty, and Light"</i>: Rebecca Habtour & Madlen Simon</p>
6:43 pm	Sunset
7 – 9:30 pm:	<p>Dinner</p> <p>Student Competition award</p> <p>Speaker Elizabeth Blackburn, Salk Institute</p> <p>Tribute – The John Paul Eberhard Fellowship</p> <p>Cathedrals of Culture: The Salk Institute: A film by Robert Redford</p>

SATURDAY, SEPTEMBER 24, 2016

8:30 am to 5:00 pm: Conference – Salk Institute

7:30–8:30 am Breakfast

8:30–8:45 am Welcome & Announcements
Gil Cooke, President
Marvin Malecha, President NSAD

8:45–9:45 am Keynote speaker – Steven Holl
"Architecture: Activating the Brain"

9:45–10:15 am Break + Contributed posters #6
"Home to School Path – Wayfinding by Children Ages from 8 to 10": Dajana Rokvic
"Atmosphere, wellbeing and health in residential architecture: linkages to neuroscience?": Hanna Morichetto, Helle Wijk, & Ola Nylander
"Teaching Design: Can Scientific Discoveries in Neuroscience Improve the Design Critique?": Mary Price
"The neuroscientific Potential of the Architectural Mind": Jennifer Leung
"ASI – Architecture for Sensory Integration; Architectural Intervention in Occupational Therapy": Fallon Lebedowicz & Gina Chang
"SynaptiCity: The Power of Weakness in the Construction of Place": Diogo Teixeira & Menno Cramer

10:15–11:15 am Keynote speaker – Eric Kandel,
"The Quest to Understand the Unconscious in Art, Mind and Brain"

11:15–12 Noon Invited Panel: Mind, Brain and the Art of Architecture
Facilitators: Tom Fisher & Tom Albright
Panelists: Steven Holl & Eric Kandel

12:00–1:00 pm Lunch + Contributed posters #7
"Architects without Buildings: Philip Thie and the systematizing impulse in modern spatial study": Ian Baldwin
"The Real Meaning of Architecture: Or how to make architecture mean something": Joshua Broadway, Frederik Heuser, Kelsey Middelkamp, Joshual Ralls, & Bob Condia
"From principles to locality: Bridging the gap from neuroscience to architecture": Pedro Borges de Araújo
"Digital Craft in Architecture": Andrew Huss & Aaron Bolli
"Environmental Variables Influencing Cognitive Viuo-Locomotive Experience in Large-Scale Buildings": Vasiliki Kondyli & Mehul Bhatt
"The use and perception of black in Architecture": Marina Russo-Schtcherbakoff-Kodakoff
"Affect(ive)(ed) Design": Aaron Tarnowski

1:00–1:45 pm Contributed papers Session #6: Facilitator/Host – Steve Henriksen
Embodied adaptive architecture: Holger Schnadelbach & Nils Jager
Empathic response in office space: Alessandro Gattara & Vittorio Gallese
Interactive Architecture & BCI: Michael Gonzales & Meg Jackson

1:45–2:30 pm Contributed Papers Session #7: Facilitator/Host – Steve Henriksen
Spatial cognition in architecture: Dishita Turakhia
Spatial perception in navigation: Sudhir Kumar Pasala, Mehdi Khamassi & VS Chandrasekhar Pammi
Experience of space /time in architecture: Andrea Jelic & Giovanni Vecchiato

- 2:30-3:00 pm Break + contributed posters #8
"Designing for Complex, Interactive Architectural Ecosystems: Developing the Ecological Niche Construction Design Checklist": Joe Manganelli
"Designing bio-wearable computers to expand interactions between bodily spaces and physical environments": Rachel Zuanon
"Neural-Architecture: Incorporating clinical expertise in brain-based design principles": Eve Edelstein
"Approach to a Scientific Design Method for Programmable Schools towards 'NeuroArchitecture'": Jose Wagner Garcia, Matias Nieto Tolosa, & Aristides Pavani Filho
"Investigating Stress Triggers and the Built Environment": Parker Ruskamp, Brent Chamberlain & Bob Condia
"Eye Tracking Architecture: A Pilot Study of Buildings in Boston": Ann Sussman, K. Rhett Nichols, Charline Lebrun, Willa Crolius, & Gerhard van der Linde
- 3:00-4:30 pm Invited Panel:
NeuroAesthetics initiative at Johns Hopkins Brain Science Institute
Susan Magsamen (Organizer), Julio Bermudes (Facilitator), Anjan Chatterjee, Susan Magsamen, & Ed Connor
- 4:30-5:00 pm Observations & Wrap up – Tom Fisher, Gil Cooke
- 5:00 – 6:00 pm Tours