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 Borson 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 Condra
*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 Malin & 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 Chnstopoulos, Adam Roberts, Chee-Kiang Sah, 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  Break + contributed posters #3
*Emotional Design in Architecture: The Impact of Space on Moods and Behaviors*. Richard Aoun
*Application of Neuroscience Research of Design Features in Learning Space*. Stephanie Park
*Architecture and the Sense: A Sensory Musing Park*. Sarah Stein
*Neuroscience Informing Design: Impact of Fluorescent CCT on Neurodiverse Populations*. Cherif Amor, Michael OBoyle, & Debajyoti Pati
*Designing Enriched Therapeutic Environments: Intervention in the General Hospital of Chania, Greece*. Konstantinos-Aketas Ouggrinis, Anna Kelesidi, Antonios Krasoudakis, Stratos Georgoulakis, Marianthi-Eirini Kladefira, Anastasia Katharidou, & Georgios Lykos
*Enhancement of work/educational spaces by deriving the design from different neurological workings of the brain*. Joanna-Maria Helinurm

3:30-5:00 pm  Invited Panel:
*Neuroscience/Architecture of Incarceration*  
Melissa Farling & Jay Farbstein (facilitators), Richard Wener, Terry Kupers, John McAllister, Rusty Gage, Elizabeth Falcon

5:00– 5:30 pm  Observations & Announcements – Tom Fisher, Gil Cooke

5:30-6:45 pm  Reception + Contributed posters #4 & #5
*Facades of buildings significantly modulate EEG signals of brain cortical lobes*. Parastou Naghibi Rad, Abbas Ali Shahroudi, Hamed Shabani, Kourosh Maboudi, & Reza Lashgari
*Useful Level of Explanation: Understanding Connections between the Brain, Behavior, and the Built Environment*. Margaret Tarampi & Cheuk Ng
*Effect of Experience on Wayfinding in a Large, Complex Environment*. Joe Manganelli
*The Tool Sculpting the Designer: Cognitive Influence of Digital Tool in Shaping Contemporary Architectural Practice*. Sangeeth S. Pillai, Gaurav Raheja & Mehul Bhatt
*Perception based architecture for contemporary health care design*. Christoph Korner
*The Making of a Place - the Courtyard: An Architectural Typology that Simultaneously Enables Safe Social Aggregation and Reconnections to Nature*. Ilaria Mazzoleni & Richard Molina

*The Scope of Empathy in Architecture: From the design process to the user’s experience, and back*. Anne Tuscher
*Towards Quantifying the Impact of the Built Environment on Human Experience: Elements of Experimental Design*. Ahmed Radwan & Semha Ergan
*Utilizing Architectural Diagrams to Create Geometric Forms that Anticipate User Responses*. Michael Wacht
*The perception of symmetry in architecture, and eye movement study*. Sharareh Ghanbari Azaneir, Syyed Abbas Agha Yazdanfar, Seyyed Bagher Hosseini, & Mohammad Reza Daliri
*The Sound of Creativity: Correlating brainwave & psychometric changes within workplace acoustics*. Luke Laverty & Eve Edelstein

6:43 pm  Sunset

7 – 9:30 pm  Dinner
Student Competition award
Speaker Elizabeth Blackburn, Salk Institute
Tribute – The John Paul Eberhard Fellowship
Cathedrals of Culture: The Salk Institute: A film by Robert Redford
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 Morchitto, 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, Joshua Rolls, & 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 Khamsi & VS Chandrasekhar Panmi
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

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