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, FAIA
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 of student competition finalists’ work using various VR technology
4:00 – 4:30 pm  Contributed papers, Session #1: Facilitator/Host – Steve Henriksen, Ph.D.
   "How Educational Environments Impact Learning": John Dale, FAIA, David Zandvliet, Ph.D., Claire Gallagher, Ph.D., Margaret Tarampi, Ph.D.
4:30 – 6:00 pm  Invited Panel: "Education at the intersection of Architecture & Neuroscience"
   Gil Cooke, FAIA (facilitator), Tom Fisher, FAIA, Eduardo Macagno, Ph.D., Marvin Malecha, FAIA, 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, FAIA, President of ANFA
8:45-9:30 am  Invited Speaker:
   Terry L. Jernigan, Ph.D.
   "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, Ph.D. (15 min intro)
*Urban Stress Index*: Martin Knoll, Ph.D.
*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 de Piedade Ferreira, Ph.D., Andres Kretzer
*The Practice of Biophilic Design*: Elizabeth Calabrese & Stephen Kellett, Ph.D.
*Idea Sketches as Traces of Cognitive Styles: The Case of Alvar Aalto*: Mark Alan Hewitt, FAIA
*Resonant Form: The Convergence of Sound and Space*: Shea Tahan
*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, Woohee Shin, Seoyoung Lee, Sunghaeng Cho, Hyungjun Kim, & Jaeseung Jeong

10:45 – 11:30 am  Contributed Papers Session #3: Facilitator/Host – Steve Henriksen, Ph.D.
*Architecture without vision*: Betsy Nolen & Madlen Simon
*Awe inducing Space*: Hanna Negami & Colin Ellard, Ph.D.
*Towards a critical Neuroaesthetics*: Kurt Hunker, FAIA, & Eve Edelstein, Ph.D.

11:30–12:30 pm  Hay Fund Presentation
Facilitator: Fred Marks
2014–15 Awards:
*Curiosity as a Design Tool*: Itai Palti & Moshe Bar, Ph.D.
*Behavioral Response of Autistic Children to Design Interventions*: Priyanjali Prabhakaran, Ph.D., Arathy Gopal, Ph.D., Jayprakash R., Ph.D. & Syamlal S, Ph.D.
Update on 2012–13 award:
*Vision Science for Dynamic Architecture*: Sergei Gepshtein, Ph.D.

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, Ph.D.
*Using Neuroscience and Experiential Anatomy in Architectural Design: Recent findings regarding organic and rational drawing*: Galen Crazn, Ph.D. & 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, Ph.D.
*Dreaming architectural space into reality*: Summer Sutton
*Cognitive decline & enriched environments*: Laura Malinin, Ph.D. & Aga Bocznyska, Ph.D.
*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, Ph.D.
*HKS: architectural human experience lab*: Upali Nanda, Ph.D., Jennifer Kolstad, Heath May, & Jon Bailey
*Windowless spaces*: George Christopoulos, Adam Roberts, Chee-Kiong Soh, Eun Hee Lee, Josip Car & Kian Woon Kwok
*At work, in view*: Sally Augustin, Ph.D., 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 Stern
- Neuroscience Informing Design: Impact of Fluorescent CCT on Neurodiverse Populations*: Cherif Amor, Ph.D., Michael O’Boyle, Ph.D., & Debajyoti Pati, Ph.D.
- Designing Enriched Therapeutic Environments: Intervention in the General Hospital of Chania, Greece*: Konstantinos-Alketas Ouggrinis, Anna Keesidi, Antonios Krosoudakis, Ph.D., Stratos Georgoulakis, Marianthi-Eirini Klaedtira, Anastasia Kafkaridou, & Georgios Lykos
- Enhancement of work/educational spaces by deriving the design from different neurological workings of the brain*: Joanna-Maria Helinurm
- ANFA NYC – A Model for Collaborative Neuroarchitecture*: Luke Petrocelli

3:30-5:00 pm Invited Panel:

- Neuroscience/Architecture of Incarceration*
  Melissa Farling & Fred H. Gage, Ph.D. (facilitators), Richard Wener, Ph.D., Terry Kupers, M.D., John McAllister, & Jay Farbstein, FAIA

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

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, Ph.D., & Cheuk Ng, Ph.D.
- Effect of Experience on Wayfinding in a Large, Complex Environment*: Joe Manganelli, Ph.D.
- 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 Impact of Biomorphic Design on the Memorability of Interior Environments: A Preliminary Study*: Hasti Mirkia, Mark S.C. Nelson, & Amir Assadi, Ph.D.

- The Scope of Empathy in Architecture: From the design process to the user’s experience, and back*: Anne Tuscher, Ph.D.
- Towards Quantifying the Impact of the Built Environment on Human Experience: Elements of Experimental Design*: Ahmed Radwan & Semiha 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 Ghanbani 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, Ph.D., & Richard Brink
- Designing Happiness: Nature, Beauty, and Light*: Rebecca Habtour & Madlen Simon

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, FAIA, President of ANFA
Marvin Malecha, FAIA, President of NSAD

8:45–9:45 am Keynote speaker – Steven Holl, FAIA
“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, well-being and health in residential architecture: Linkage to neuroscience”: Hanna Monichetto, Helle Wijk, Ph.D., & Ola Nylander, Ph.D.
“The impact of positional configuration of a desk in a room on attention and creativity measured by behavioral and neurophysiological recordings”: Young-Ah Rho, Seoyoung Lee, Wooree Shin, Sunghaeng Cho, Hyungjun Kim and Jaeseung Jeong
“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, Ph.D.
“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, FAIA & Tom Albright, Ph.D.
Panelists: Steven Holl, FAIA & Eric Kandel, Ph.D.

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 Vivo-Locomotive Experience in Large-Scale Buildings”: Vasiliki Kondyli & Mehul Bhatt
“The use and perception of black in Architecture”: Marina Russo-Schtcherbako-Kodakoff
“Affect(ive)(ed) Design”: Aaron Tarowski

1:00–1:45 pm Contributed papers Session #6: Facilitator/Host – Steve Henricksen, Ph.D.
Embodied adaptive architecture: Holger Schnadelbach, Ph.D. & Nils Jager, Ph.D.
Empathic response in office space: Alessandro Gattara, Ph.D. & Vittoria Gallice, Ph.D.
Interactive Architecture & BCI: Michael Gonzales & Meg Jackson

1:45–2:30 pm Contributed Papers Session #7: Facilitator/Host – Steve Henricksen, Ph.D.
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, Ph.D. & Giovanni Vecchiato, Ph.D.
2:30-3:00 pm  Break + contributed posters #8

*Designing for Complex, Interactive Architectural Ecosystems: Developing the Ecological Niche Construction Design Checklist*: Joe Manganelli, Ph.D.

*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, Ph.D.

*Approach to a Scientific Design Method for Programmable Schools towards 'NeuroArchitecture'*: Jose Wagner Garcia, Ph.D., Matias Nieto Tolosa, & Aristides Pavani Filho

*Investigating Stress Triggers and the Built Environment*: Parker Ruskamp, Brent Chamberlain, Ph.D., & Bob Condia


3:00-4:30 pm  Invited Panel:

NeuroAesthetics initiative at Johns Hopkins Brain Science Institute

Julio Bermudez, Ph.D. (Facilitator), Anjan Chatterjee, Ph.D., Susan Magsamen, & Ed Connor, Ph.D.

4:30-5:00 pm  Observations & Wrap up – Tom Fisher, FAIA, Gil Cooke, FAIA

5:00 – 6:00 pm  Tours