ANFA 2021 SYMPOSIUM TENTATIVE SCHEDULE

September 16 – 18, 2021

Day One, September 16th

8:00 am   **Registration**

8:30 am   **Welcome: What is a Quantified Building?**
David Kirsh, PhD, ANFA President

9:00 am   **Featured Speaker: Nick Tyler**
Nick Tyler is Director of the Centre for Transport Studies at University College London (UCL) and Chadwick Chair of Civil Engineering. His research explores how people interact with their immediate environments.

10:00 am   Break

10:15 am   **Paper Session I: Lighting & Vision**
- **Heshmati, Matusiak**: *Biometric Architecture: Impact of Available Interior Daylighting on Photoentrainment*
- **Karmann, Chamilothori, Schoenmakers**: *Using VR to Assess Visual Attraction and Perceived Interest in Daylit Scene Variation*
- **Park, Gero, Krukar, Brösamle, Hölscher**: *Comparing Architecture Students' Visual Perception between Abstract and Detailed Plans*
- **Jain, Weinold, Andersen**: *Glare Assessment in a Daylit Workplace from a Physiological Perspective*

11:15 am   **Paper Session I Question & Answer period**

11:45 am   Break

12:45 pm   **Panel A: TBA**
David Kirsh, Virginia de Sa, Andrea Chiba

1:45 pm   **Panel A Question & Answer period**

2:15 pm   **Poster Session I** (15 posters, live chat)

3:30 pm	Break

3:45 pm   **Paper Session II: Computing & Data**
- **Canepa, Centanaro, Minucciani**: *The Language of Data in the Exhibition Discourse*
- **Ghandi, Blaisdell, Ismail**: *Tangible Reverberations of Mind*
- **Safavi, Gholami, Askari, Fattahi, Nami, Kamali, Soltani-Sarvestani**: *A Novel Inclusive Method in Architectural Behavioral Mapping Based on Neuro-cognitive, Climatic and Spatial Data Correlates*

4:30 pm   **Paper Session II Q & A**

5:00 pm   End of Day One

Day Two, September 17th

8:30 am   **Announcements and recognitions**
Laura Wolszon, PhD and Kurt Hunker, FAIA, Conference Co-Chairs

9:00 am   **Featured Speakers: Niall McLaughlin/Kate Jeffrey**
Niall McLaughlin is an award-winning architect and Professor at the Bartlett School of Architecture at UCL. A focus of his practice involves designing for dementia. Kate Jeffrey is Professor of Behavioural Neuroscience at UCL, studying how the brain encodes three-dimensional space.

10:15 am   Break

10:30 am   **Paper Session III: Spatial Analysis, Spacemaking and More**
- **Stancati**: *Augmenting Spatial Perception with Artificial Neural Networks to Build Synthetic Cognitive Maps*
- **Milne, Condia, Negami, Gluckselig**: *The Effect of Spatial Ambiguity on Creative Modes of Thinking*
- **Jens, Kirsh**: *Learning from human behavior: An empirical study of flows and occupancy patterns in indoor environments*

11:30 am   **Paper Session III Q & A**

Noon   Break

1:00 pm   **Panel B: TBA**
             Upali Nanda, Nicholaus Watkin, Daniel Davis; Moderator: Fred Marks

2:00 pm   **Panel B Q & A**

2:30 pm   **Poster Session II** (15 posters live chat)

3:45 pm   Break

4:00 pm   **Paper Session IV: Human Experience and Data Collection**
             - **Banasiak**: *Using wearables in design practice to collect human-environment data*
             - **Heisserer**: *Mobile Mapping – Mapping Indoor Environmental Quality Data through Photogrammetry*
             - **Zou, Ergan**: *Classifying Human Experience in Virtual Environments Using Effective Sensor Signals*

4:45 pm   **Paper Session IV Q & A**

5:15 pm   End of Day Two: **ANFA's Virtual Happy Hour**

Day Three, September 18th

8:30 am   **Announcements**
             Members of the Executive Committee of ANFA

9:00 am   **Featured Speaker: Patrik Schumacher**
             Patrik Schumacher is an internationally recognized architect, theorist and writer and Principal of Zaha Hadid Architects. His work focuses on new directions in architecture.

10:15 am   Break

10:30 am   **Paper Session V: Virtual Reality**
             - **Mejia-Puig, Korneva, Chandrasekera**: *Assessing Architectural Designs through Virtual Reality and Functional Near-infrared Spectroscopy: A Perceived Retail Crowding Case Study*
             - **Presti, Ruzzon, Caruana, Vecchiato**: *Architectural Forms' Impact on Perceived Valence and Arousal of Virtual Environments*

- **Espinoza, Loetcher, Pickersgill**: *VR Investigations of Spatial Awareness in High-Rise Office Design*
- **Moreno, Zuanon**: *Design-neuroscience Alliance for Mitigating Cybersickness Symptoms in 3D Immersive Experience Designed for Head-mounted Displays*

11:30 am   **Paper Session V Q & A**

Noon   Break

1:00 pm   **Poster Session III**

2:15 pm   Break

2:30 pm   **Paper Session VI: A Post-COVID World**
- **Del Campo, Manninger**: *Convolutions of Architecture - The Problem of Interior and Exterior Conditions in Designing with Graph Convolutional Neural Networks*
- **Canakcioglu, Unlu**: *Examining the Radically Changing Perceptions of Pediatric Inpatients in an Oncology Healthcare Setting*
- **Nanda, Chilukuri, Macagno, Jakubisin, Smith, Hoelting, Soleimani, Greving**: *UCSD Live-Learn Lab: A Campus Where Students Link Built Environment to Health & Wellbeing Outcomes*
- **Kolstad, Clark, Ramer, Smith**: *Envisioning the Future of Work for Ford Motor Company*

3:30 pm   **Paper Session VI Q & A**

4:00 pm   **Closing remarks**
Members of the Symposium Committee

4:30 pm   End