2023 USC School of Architecture Research Symposium
Technological Advancements in Architecture: Challenges and Opportunities for Designers

DATE : 12TH APRIL 2023
GUEST LECTURE : Kerenza Harris, Senior Associate, Director of Design Technology, Morphosis
6.00 – 8.00pm   Harris Hall 101   Followed by reception

DATE : 13TH APRIL 2023

10:15 – 10:25 am **Joon-Ho Choi:** *Welcome remark*

LOCATION : HARRIS COURTYARD

Session 1: Solutions for Urban Challenges

10:25 – 10:40 am
Wesley, Jones   (Professor of Practice)
An Update on a Proposal to Leverage Highly Refined Existing Technology to Address the Problem of Homelessness

10:40 – 10:55 am
Shaffer Lutsko, Gillian   (Citizen Architect Fellow)
The Limits of Visibility: Urban Design for the Climate Crisis

10:55 – 11:05am
Flynn Hannah; Dunkin, Leslie; Weithorn, Nina (MLA)
Fifty-One Miles: A Walking Exploration of the Los Angeles River

11:05 – 11:15am
Ni, Menghao   (BARCH)
The Way of the Waters

11:15 – 11:30 am
Robinson, Alexander   (Associate Professor)
A Shared Vision for the LA River: Making Infrastructure Design Inclusive

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LOCATION : FISHER COURTYARD

Session 2: Designing for Sustainability and Social Impact

10:25 – 10:40am
Zhu, Jia Zhou   (Lecturer)
Proceduralism in Architectural Design: An Antidote to Stylization by Imitation

10:40 – 10:55 am
Egan, John   (Principal, Egan Simon Architecture)
Exterior Connectivity and the Homeless Crisis

10:55 – 11:05 am
Shen, Jiayi   (MARCH)
Sustainable Design Strategy for the historic building 430 S. Broadway, DTLA

11:05 – 11:15 am
He, Yuqing   (MBS)
Tiny House In The Desert: A Cold Battery Precast Wall Application in Joshua Tree National Park

11:15 – 11:30 am
Tankha, Sanjeev   (Lecturer)
Resurgence of Architectural Ceramics - explorations in contemporary architecture

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11:30 – 11:40 AM   COFFEE BREAK

Session 3: Preserving History and Culture in Architecture

11:40 – 11:55 am
Bharne, Vinayak   (Adjunct Professor)
Designing for Marginalized Communities: Recent projects from Los Angeles, India and Panama

11:55– 12:10 pm
Paige, Gary   (Professor of Practice)
HI-Hybrid Building Prototypes for Live, Work & Recreation

12:10 – 12:20 pm
Bansal, Ishita   (MARCH)
Conserving the Quli Khan Tomb, Delhi

12:20 – 12:30 pm
Velazco, Daniela ; Varley, Emily; Flynn, Hannah ; Wilbert, Quinn ; Gibson, Reily   (MLA)
Urban LAB: 'Living Among The Branches' Sustainable Affordable Housing in Chicago

12:30 – 12:45 pm
Von Oeyen, Geoffrey   (Assistant Professor of Practice)
Composite Figures

Session 4: Innovations in Architecture

11:40 – 11:55 am
Flores, Samantha   (Vice President, Director, Hugo)
Designing with New Energy

11:55– 12:10 pm
Dai, Haoyue   (MBS)
Indoor Environmental Quality With Comfort: Ieq Adaptations With Human Physiological Responses In Commercial Buildings

12:10 – 12:20 pm
Satodia, Shreya   (MBS)
Post Occupancy Evaluation of Los Angeles office building, Study of Hot Desking and Employee Work Productivity

12:20 – 12:30 pm
Janardanan, Archana   (MBS)
A High-Performance Small Residence Designed at Joshua Tree National Park

12:30 – 12:45 pm
Scott, Uriu   (Adjunct Associate Professor)
Much Ado about a Vacuum Envelope

12:45 – 1:30 PM   LUNCH BREAK

1:30 – 2:20 PM   FACULTY PANEL DISCUSSION:

Technological Advancements in Architecture: Challenges and Opportunities for Designers Panels:

Wendy Fok, Karen Kensek, Alessio Grancini, Fred Morstatter

2:30 – 2:40 PM   COFFEE BREAK

Session 5: Design and Diversity

2:30 – 2:45 pm
Chow, Mina   (Adjunct Associate Professor)
Asian American designers who shaped our modern world

2:45 – 3:00 pm
Hakomori, Yo-Ichiro; Tajima, Takako   (Professor of Practice)
Art, Nature, and Community - Chengwon Museum of Art

3:00 – 3:10 pm
Gonzalez, Gabriela   (BARCH)
Applications of the Greek Vernacular

3:10 – 3:20 pm
Aceituno, Esmeralda; Asali, Annabelle (BARCH)
Vertical Rise

3:20 – 3:35 pm
Hoelting, Melissa   (Associate, Corgan)
Redefining the Evolving Workforce and Workplace

3:35 – 3:45 pm
Meng, Danqi   (MBS)
Static data analysis and visualization in Building sites in VR/AR

Session 6: Innovations in Housing and Urban Design

2:30 – 2:45 pm
Konis, Kyle   (Associate Professor)
Housing-10x: A Platform to Accelerate Innovative Responses to the Housing Crisis

2:45 – 3:00 pm
Tran, Daniel   (Principal, Egan Simon Architecture)
Exterior Connectivity and the Homeless Crisis

3:00 – 3:10 pm
Hong, Ye   (MARCH, MHC)
Scanning Using A Smart Phone For Heritage Conservation: A Case Study Using Reunion House

3:10 – 3:20 pm
Bahl, Aditya   (MBS)
A Roofing System for Arid Environments: Designed for a small residence at Joshua Tree National Park

3:20 – 3:35 pm
Susman, Gideon   (Lecturer)
Decarbonizing Healthcare

3:35 – 3:45 pm
Qu, Jianghui   (MARCH)
Artificial Intelligence Tools in Architecture Workflow

3:45 – 3:55 PM   COFFEE BREAK

3:55 – 4:40 PM   STUDENT PANEL DISCUSSION:
Technological Advancements in Architecture: Challenges and Opportunities for Designers:

Austin Merchant , Roxanne Natal, Brandon Smith, Krissie Essilfie, Vincent Todosiev, Kaia Haddad, Asaf Zairi

4:40 – 4:50 PM COFFEE BREAK

4:50 – 5:20 PM CLOSING REMARK AND AWARD CEREMONY

5:20 PM ONWARDS NETWORKING DINNER