2020 USCA Research Symposium Program

ART + TECH + ENVIRONMENT
Integrated Design for a Regenerative and Better Built Environment

Date: April 16, 2020
Zoom Link: https://us02web.zoom.us/j/929617837?pwd=NVkwZ1BldU5xSlRaM0l1SE1KZUZhZz09

Research Themes
- Art
- Technology
- Environment

Research Approaches/Directions
- Pedagogy
- Practice
- Methodology

9:00 AM — Opening Remarks:
Joon-Ho Choi, USC Architecture (USCA), Associate Dean of Research and Creative Work

9:10 AM — Welcome Remarks:
Dean Milton Curry, USCA

9:20 AM — Keynote:
William Kreysler, President, Kreysler & Associates, Inc.

10:00 AM — Break

TED-STYLE PRESENTATIONS

10:10 AM — Scott Uriu, Associate Professor:
New Vacuum Building Envelopes

10:20 AM — Gideon Susman, Industry Partner:
Phase Change Materials: Limitations and possibilities

10:30 AM — Douglas E. Noble, Associate Professor:
Carapace Pavilion

10:40 AM — Patti Harburg-Petrich, Industry Partner:
Offsite Construction for Large Volume Projects

10:50 AM — Yo-ichiro Hakomori, Associate Professor:
An Inquiry into the Systems of Permanence and Impermanence

11:00 AM — Kathleen Hetrick, Industry Partner:
Healthy and Equity Implications in Building Materials in the time of COVID-19

11:10 AM — Geoffrey von Oeyen, Assistant Professor:
Composite Communities: Design Innovation Toward Resilient Composite Housing in Los Angeles

11:20 AM — Rebecca Popowsky, Industry Partner:
GROUND: Space for Design Below Grade

11:30 AM — Panel Discussion

12:00 PM — Lunch Break

STUDENT POSTER PRESENTATIONS

12:30 PM — Fabian Dietrich, MArch:
Long Air

12:37 PM — Zhihe Wang, MBS:
Augmented Reality in Room Acoustics: A Simulation Tool for Mobile Devices with Auditory Feedback

12:44 PM — Yushi Wang, MBS:
The Coronavirus and Housing for the Aged

12:51 PM — Liudmila Sergeeva, MArch:
Culver City TownHouse

12:58 PM — Yufan Xie, MArch:
The Unknow City

1:05 PM — Chenxi Yang, MBS:
The intelligent control strategy of kinetic facades for daylighting performance

1:12 PM — Zeyu Lu, MBS:
Integrating Building Information Modeling with Augmented Reality: Visualizing And Editing Mep Systems With Mobile Augmented Reality

1:19 PM — Masih Barin, MArch:
Pollenoid- the aftermath of TELEPORT

1:26 PM — Bushra Muhammadi, MArch:
DTLA 2076: CO2 Reappraised

1:33 PM — Yuan Sun, MBS:
The potential use of human bio-signals to estimate indoor environmental satisfaction in multi - occupancy condition

1:40 PM — Zhiying Liu, MBS:
A BIM-based tool for ADA Standard Plan Check

1:47 PM — Chizoba Ibeanusi, MArch:
Fueled by Kinetic Energy

1:54 PM — Andrew Blumm, MArch:
Contemporary Forms of Segregation

2:00 PM — Break

GRANT VENTURE PRESENTATIONS

2:10 PM — Bhavna Sharma, Assistant Professor:
Integrated Design for a Regenerative and Better Built Environment

2:25 PM — Doris Sung, Associate Professor:
Smart Geometries, Smart Materials, and Smart Architectures

2:40 PM — Alexander Robinson, Associate Professor:
The Los Angeles River Integrated Design Lab

2:50 PM — Kyle Konis, Assistant Professor:
Evidence-based Metrics

3:05 PM — Joon-Ho Choi, USC Architecture (USCA), Associate Professor:
Human-Building Integration

3:20 PM — Panel Discussion

3:40 PM — Break

USCA GRANT AWARDEE'S TALKS

3:50 PM

4:40 PM — Poster Presentation Award Ceremony and Closing

4:55 PM — END

"Building upon its century-long tradition of innovative research, the USC School of Architecture (USCA) is emerging with new initiatives focused on research and creative work in leading-edge building technologies, landscape and ecology, sustainability, urbanism, and housing."

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