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 remakrs:** 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, Associate 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	**USCA GRANT AWARDEE'S TALKS**
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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