SKINS on Campus
BRIDGING INDUSTRY AND ACADEMIA IN PURSUIT
OF BETTER BUILDINGS AND URBAN HABITAT

Join the Facade Tectonics Institute as we move beyond talk and
into the realm of action and initiatives aimed at improving building
performance and urban habitat through the art, science and
technology of the building skin. Our SKINS ON CAMPUS theme
combines networking with industry and academic leaders with a
deep exploration of the building facade as the integrative factor in
holistic building design. Read on for full program details.

FACADE TECTONICS
2018 WORLD CONGRESS
MARCH 12TH-13TH, 2018
USC SCHOOL OF ARCHITECTURE
MONDAY, MARCH 12, 2018 | LOS ANGELES, CA

12:00 LUNCH BREAK – SPONSORED BY PILKINGTON PLANAR BY W&W GLASS

10:00 NETWORKING BREAK

10:30 SESSION 2

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12:00 LUNCH BREAK – SPONSORED BY PILING PLANTAR BY W&W GLASS

1:30 SESSION 3

3:30 SESSION 4

5:00 RECEPTION – SPONSORED BY WALTER P MOORE | City National Plaza Event Space at 555 S Flower Street, Los Angeles, CA 90012
WORKING WITH BIG DATA: New Pathways to Design in the Digital Era
Cristóbal Correa / BuroHappold Engineering

SEPARATING DIRECT FROM DIFFUSE: Observations of Visible Transmittance Through a Tracking Photovoltaic Envelope
Nick Nowell / HelioOptics LLC
Robert Gordon / Arconic Solar LLC

TOWARDS A DATA DRIVEN FACIATION PROCESS
Jochua Schultze / Gonzaga University
Neil Katz / Skidmore, Owings & Merrill

NEW PROVISIONS IN ASTM E1300-16: A comparison of the Basic and New Analytical Procedures for Determining the Load Resistance of Window Glass
Stephen More / Michigan Technological University

Novel Techniques for Facade Optimization
Victoria Harefield / Thornton Tomasetti

DAYLIGHTING POST-OCCUPANCY EVALUATION STUDY: Baylor University Paul L. Foster Campus for Business and Innovation
Jae Yong So / University of Texas at San Antonio
Helena Zambriani / Overland Partners

LOCALIZED DE-FOCUSING Through PCI Freewing
Eliza Trefry / Stingray Hart

SUBJECTIVE PERCEPTION AND OBJECTIVE MEASUREMENT: The Standardization of Visual Effects in Glass
Caroline Lema, Antonio Luc / Viditor
Ashley Reed / Eckersley O’Callaghan

CONTROLLING ANISOTROPY IN HEAT TREATED GLASS
Francis Sennys / Saint-Gobain Building Glass Europe (Brussels)

FULLY TEMPERED GLASS IN SPANDREL APPLICATIONS: Enhancing Environmental Strength
Roger Schneider / Alfred State, Regional Metals Corporation

FACADE WIND LOADING: Modeling Facade Performance to Wind Loads in Urban Environments
Timothy Brewer / Protection Engineering Consultants

INTERNATIONAL FACADE EDUCATION: Findings from the Facade Design and Technology Survey
James Oster / Thomas Jefferson University

Performance Based Generative Facade WorkFlow for Large Scale Projects
Tim Logan / LINE

IN FACTORY COMMISSIONING: The Role of Factory Facade Design
Steve Lewis, Lucas Imm / Walter P Moore

TEACHING FACADES: One Goal, Three Approaches to Facade Design Curriculum
Aiko Taniichi / HSA Architects, University of Minnesota

GENERATIVE DESIGN TOOL: Integrated Approach Toward Development of Photovoltaic Facade System
Anu Hasselrot Zeretti / University of North Carolina at Charlotte

TARGETED ENCLOSURE CONSULTING: Look before Leaping, a Case for More Thoughtful Decisions
Kat Jones / Mott MacDonald

THINKING ABOUT FACADES: A Theoretical Perspective for Useful Prototypes
Marc Schaller / University of Southern California

Evaluating Additive Manufacturing for Metallic Facade Components
Notas-Masrini / Stanford University

COUPLING FACADE AND STRUCTURE: Engineering a Breathable Skin
Steve Lewis, Jessica Chen / Walter P Moore

INTERNATIONAL FACADE EDUCATION: The Facade Design and Technology Survey
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PROCESS + DELIVERY | Harris Hall 101
10:30 SESSION 2
8:30 SESSION 1
12:00 LUNCH BREAK
10:30 SESSION 2
12:00 LUNCH BREAK
3:00 SPECIAL PRESENTATION | Harris Hall 101
4:00 CONCLUSION

360x179
Natasa Mrazovic / Stanford University
Components
Charlotte Development of Piezoelectric Facade System
Tim Logan / HKS | LINE

VERIFYING THERMAL PERFORMANCE: A Case Study
Matthew Herman / BuroHappold Engineering

EDGE LIGHTING GLAZING WITH HIDDEN FIXTURES: Integrated Dynamic LED Light into Modern Glass Facades
Liu Fu / KSiO Architectural Lighting

DIRECT SUN AND OCCUPANT COMFORT: Practical Applications of the CBE SolarCal Method in the Design Process
Emile Hagen, Madeline Gradillas / Atelier Ten

OPTIMIZED GREEN WALL: A Tensioned Laser Cut Plate Structure
Algis Lenca / M Ludvik Engineering

Glass and Electromagnetic Sawdust Protection
Eric Stein / Viracon

Thermal Comfort Assessment of Multi-Zone Electrochromic Window
Ahno Malekafzali / SageGlass

GLAZED SPANDELS: Quantifying the Benefit of Venting to Minimize Risk of Glass Breakage
Julien Schwartz / Morrison Hershfeld

DC WATER HEADQUARTERS CASE STUDY: Parametric Tools to Optimize a Curved Facade
Sven Shockey, Leland Curtis, David Fersh / SmithGroupJJR

ELLIPTICAL WAYS: Realization of Complex Forms by Means of Geometric Primitives and Planar Cladding Elements
Gustav Fagerström, Kelly Burkhart / Walter P Moore

DECONSTRUCTING THE WINDOW: How to Achieve Optimum Thermal Performance
Helan Sanders / Technof orm North America

MUSEUM OF FINE ARTS, HOUSTON: Challenges realizing a 250,000 sq ft Art School and Exhibition Building
Roman Schieber / Knippers Helbig

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