



# DIVA Day 2017

27 October 2017

Hotel Shattuck Plaza  
2086 Allston Way, Berkeley, CA

8.30–9.00 Registration

## INTRODUCTION

9.00–9.20 Welcome and Opening Remarks  
Christoph Reinhart, Solemma  
Susan Ubbelohde, University of California Berkeley

## SESSION I New Research and Design Workflows (Lead by Alstan Jakubiec, Solemma)

9.20–9.40 DIVA Updates  
Timur Dogan, Solemma

9.40–10.00 From Radiance to Real-Time and Virtual Reality  
Nathaniel Jones, Arup San Francisco

10.00–10:20 Annual Daylight Impacts of Manual and Automated Blind Control Algorithms  
Amir Nezamdoost and Kevin Van Den Weymelenberg, University of Oregon

10.20–10.40 Coffee Break

## SESSION II Environmental Performance in Design I (Lead by Jon Sargent, Solemma)

10.40–11.00 Collaborative Visualizations for Optimized Design Decisions  
Brianna Coston, Kera Lagios and Mike Martinez, Integral Group

11.00–11.20 Developing Performance Tools for Early Stage Design  
Christine Tiffin, SOM

11.20–11.40 Simulating the Effect of Solar Radiation on Thermal Comfort  
Madeline Gradillas and Henry Richardson, Atelier Ten

11.40–11.50 Announcement and Presentation of Student Competition Winner

11.50–1.15 Workshop photo and lunch (on your own)

1.15–1.30 Overview Center for the Built Environment  
Stefano Schiavon, UC Berkeley

**SESSION III Circadian/Healthy Lighting (Lead by Christoph Reinhart, Solemma)**

- 1.30–2.00 The Eye is Not Just for Seeing: How Light Affects Alertness, Sleep and Circadian Rhythms  
Steven Lockley, Harvard Medical School
- 2.00–2.20 Measuring and Analyzing the Circadian Light: A Discussion on Units, Metrics, Techniques, and Recommendations  
Mehlika Inanici, University of Washington
- 2.20–2.40 Spectral Odysseys, Case Studies in the Application of Lighting Research  
Ed Clark and Marty Brennan, ZGF
- 2.40–3.05 ALFA Tool - Spectral Simulations for Circadian Lighting  
Jon Sargent, Solemma
- 3.05–3.30 Coffee Break

**SESSION IV Environmental Performance in Design III (Lead by Timur Dogan, Solemma)**

- 3.30–3.50 The Way the Eye Sees  
George Loisos and Susan Ubbelohde, Loisos + Ubbelohde
- 3.50–4.10 Bright Sparks in Façade Engineering  
Tommaso Pieraccini, Buro Happold
- 4.10–4.30 Heliotropic Shading: Daylighting a Rare Books Reading Room with Electrochromic Glass and Parametric Analysis  
Dan Weissman, Lam
- 4.30–5.00 Discussion and wrap-up
- 5.00–6.00 Reception at Hotel Shattuck Courtyard
- 6.00–6.30 Walk to Faculty Club
- 6:30–10:00 Dinner UC Berkeley Faculty Club