



DIVA Day 2017

27 October 2017

University of California Berkeley

Draft Program
Order and number of presentations are subject to change.

8.00–8.30 Registration / Coffee and Pastries

INTRODUCTION

8.30–8.45 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)

8.45–9.00 DIVA Updates
Timur Dogan, Solemma

9.00–9.20 From Radiance to Real-Time and Virtual Reality
Nathaniel Jones, Arup San Francisco

9.20–9.40 Annual Daylight Impacts of Manual and Automated Blind Control Algorithms
Kevin Van Den Weymelenberg and Amir Nezamdoost, University of Oregon

9.40–10.00 Coffee Break

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

10.00–11.20 Developing Performance Tools for Early Stage Design
Christine Tiffin, SOM

11.20–11.40 Title
Kera Lagios, Integral

11.40–12.00 Simulating the Effect of Solar Radiation on Thermal Comfort
Madeline Gradillas and Henry Richardson, Atelier Ten

12.00–12.50 Lunch

12.50–13.00 Overview Center for the Built Environment
Stefano Schiavon, UC Berkeley

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

- 1.00–1.20 The eye is not just for seeing: How light affects alertness, sleep and circadian rhythms
Steven Lockley, Harvard Medical School
- 1.20–1.40 Measuring and Analyzing the Circadian Light: Towards Unified Units, Metrics, Toolkits,
and Recommendations
Mehlika Inanici, University of Washington
- 1.40–2.00 Spectral Odysseys, Case Studies in the Application of Lighting Research
Ed Clark and Marty Brennan, ZGF
- 2.00–2.20 ALFA Tool - Spectral Simulations for Circadian Lighting
Jon Sargent, Solemma
- 2.20–2.40 Coffee Break and Workshop Photo

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

- 2.40–3.00 The Way the Eye Sees
George Loisos and Susan Ubbelohde, Loisos + Ubbelohde
- 3.00–3.20 Bright sparks in Façade Engineering
Tommaso Pieraccini, Buro Happold
- 3.20–3.40 Heliotropic Shading: Daylighting a Rare Books Reading Room with Electrochromic
Glass and Parametric Analysis
Dan Weissman, Lam
- 3.40–4.00 Discussion and wrap-up
- 4.00–4.15 Walk to UC Berkeley, Department of Architecture, Wurster Hall
- 4.15–5.55 Reception at Wurster Gallery, Wurster Hall Room 121, and Announcement of the
Student Competition Winner
- 5.55–6.00 Walk to Faculty Club
- 6:00–10:00 Dinner UC Berkeley Faculty Club