

AURORA

SIMONS, WEST EDMONTON MALL
EDMONTON, ALBERTA - 2013

Philip Beesley
Living Architecture Systems Group



I Simons Aurora, installation view - 2013.

First edition

Published by Philip Beesley

© Philip Beesley 2016

All rights reserved. No part of this catalogue may be reprinted or reproduced or utilized in any form or by any electronic, mechanical, or other means, now known or hereafter invented, including photocopying and recording, or in any information storage or retrieval system, without permission in writing from the publisher.

Every reasonable attempt has been made to identify owners of copyright. Errors or omissions would be corrected in subsequent editions.

Library and Archives Canada Cataloguing in Publication

Beesley, Philip, 1956-

[Aurora (2016)]

Aurora : Simons, West Edmonton Mall, Edmonton, Alberta - 2013 / Philip Beesley (Living Architecture Systems Group).

Exhibition catalogue.

Includes bibliographical references.

Electronic monograph in PDF format.

ISBN 978-1-926724-97-3 (pdf)

I. Beesley, Philip, 1956- --Exhibitions. I. Title. II. Title: Aurora (2016).

NA749.B434A4 2016o

709.2

C2016-902223-4

Publication Design and Production Philip Beesley Architect Inc.

This publication is set in Gill Sans

DOI 10.21312/978-1-926724-97-3

This publication is available for download at: http://www.philipbeesleyarchitect.com/sculptures/1115_Simons-Aurora/Simons-Aurora-PDF-Article.pdf



2 Simons Aurora, installation view - 2013.

INTRODUCTION

The opening of Simons at the West Edmonton Mall marks the esteemed retailer's first location outside the province of Quebec. With seven unique locations and a 170 year history to its name, Simons is well recognized as a purveyor and supporter of Canadian fashion, art and architecture.

Simons has commissioned Philip Beesley to create a major permanent installation for the interior of their new 115,000 square foot West Edmonton Mall location. *Aurora* takes its inspiration from the aurora borealis, with its natural plays of light and dance of elements dependent on chance interactions and energetic collisions. Beesley has envisioned a large scale installation that enlivens the human experience at the heart of these exchanges, and offers the public its own interaction within an ever-adapting sculptural architecture.

The sculpture is composed of hundreds of thousands of individual components including laser-cut stainless steel, acrylic and mylar, densely massed glass vessels, and custom computer-controlled circuitry. *Aurora* will create an ethereal overhead canopy designed to gently swell and ripple in an ocean of intelligent LED lights that responds to viewers gathering below.

EXHIBITION CREDITS

AURORA

Philip Beesley
Eric Bury
Andrea Ling

PBAI STUDIO

Sue Balint
Martin Correa
Brandon DeHart
Susanne Eeg
Pedro Garcia
Jonathan Gotfryd
Elena Moliotsias
Anne Paxton
Adam Schwartzentruber
Tomasz Smereka
Patrick Svilans
Kristie Taylor
Jonathan Tyrrell
Mingyi Zhou

PRODUCTION (TORONTO)

Tyler Anderson
Flora Aldrige
Fysal Amirzada
Valeria Avendano
Adam Badzynski
Emma Baker
Iris Benedikt
Anneka Bentley Jin
Atousa Blair
Abe Brath
Enzo Break
Kate Brooks
Kate Browlie
Eli Burley
Izzy Buruin
Rebecca Catton
David Choi
Olga Dementer
Maria Di Tommassi
Alessia Dowhaniuk
Surqbul Fatime
Victor Garcia
Stacey-Anne Gordon
Adam Gowan
Brigita Gubins
Josh Guthrie
Toko Hosoya

Lina Iacobelli
Miho Inaba
Anjali Jaywar
Mary Ann Julian
Yuval Kenigsberg Bentov
Chistine Kiln
Michelle Kosak
Janet Lai
Michelle Lawrence
Andrea Lau
Yorgo Liapis
Ian Lie
Natalie Louch
Hannah Mackcy
Xander Maclarean
Adil Mansure
Victoria Mantha-Blythe
Julia Marinescu
Griffin McAllister
Kate McDermott
Tristan McGrath-Waugh
Joshua Michalski
Sydney Morrison
Winie N'Diaye
Varvara Nediliska
Kevin Nguyen
Nancy Ong
Sophia Opper
Lucy Pawker
Sandra Poczobut
Nisha Raghukumar
Hillary Riem
Diana Roldan
Mar Rosales
Viktoria Ryrak
Tosin Sanni
Gemma Savage
Thomas Schnider
Taiana Selbach
Carly Shiff
Aden Solway
Anthony Steel
Sarah Stephens
Nadiya Suirsky
Amalia Sullivan-Loernz
Siubhan Taylor
Schylar Van den Helm
Aaron VendenHeavel
David Velasquez
Anne Wadano
Elise Weber

Tyler Weston
Nigel Westyale
Katrina Whiteman
Agnes Wong
Eugenia Wong
Kirstin Xie
William Yam
Jay Yoo
Debbie Yu
Zhan Zhang
Gabi Zuerina

PRODUCTION (EDMONTON)

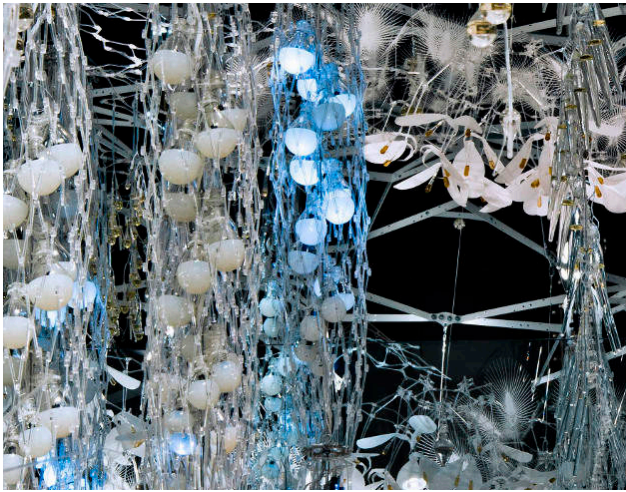
Tony Abitegeka
Franchesca Agoncillo
Natasa Baic
Chris Brodt
Russell Davidson
Emily Devereux
Daniel Eshpeter
Rosalyn Estoque
Brook Hendry
Nicole Howard
James Kokotilo
Shaunna Kossatz
Mark Lafond
Bertha Ng
Evelyn Pankiv
Stephanie Palosky
Marah Pantzer
Vallen Rezazadeh
Julie Sikora
Mikenna Tansley
Carson Tamasky
Ashley Truong
Anastasiya Valetka
Jack Wear
Laurie Wear
Katrina Whiteman
Amy Wowk

RESEARCH

Social Sciences and Humanities
Research Council of Canada
Natural Sciences and Engineering
Research Council of Canada
Waterloo Architecture



3 Simons Aurora, installation view - 2013.



4 Simons Aurora, installation view - 2013.



5 Simons Aurora, installation view - 2013.



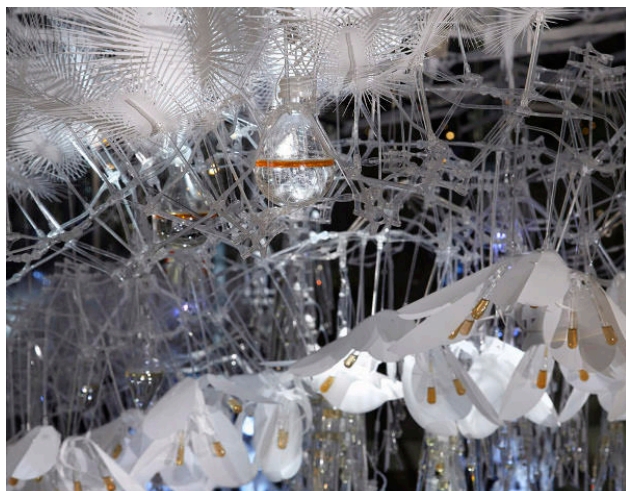
6 Simons Aurora, installation view - 2013.



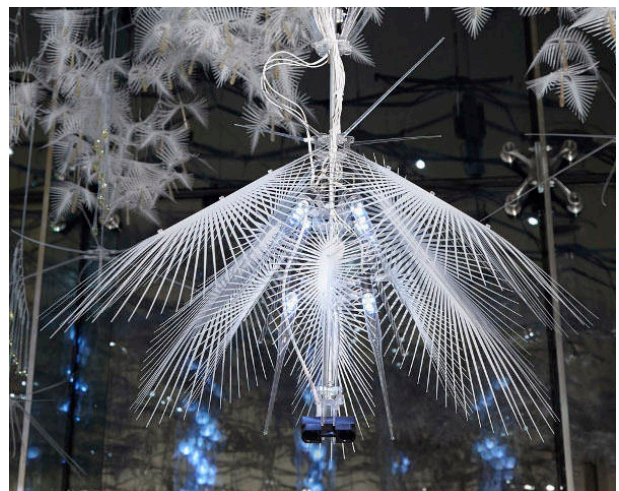
7 Simons Aurora, installation view - 2013.



8 Simons Aurora, installation view - 2013.



9 Simons Aurora, installation view - 2013.



10 Simons Aurora, installation view - 2013.



REFERENCES

For Further Reading:

- Beesley, Philip, and Michael Stacey. "An Interview with Philip Beesley and Michael Stacey." *Fabricate: Making Digital Architecture*. Eds. Ruairi Glynn and Bob Sheil. Toronto: Riverside Architectural Press, 2013. Print.
- Beesley, Philip. "Input Output: Performative Materials." *Performative Materials in Architecture and Design*. Eds. Rashida Ng and Sneha Patel. Bristol: Intellect, 2013. ix-xi.
- Beesley, Philip. "Protocell Mesh." *Prototyping Architecture*. Ed. Michael Stacey. Toronto: Riverside Architectural Press, 2013. Print. 58-61.
- Beesley, Philip. "Prototyping for Extimacy: Emerging Design Methods." *Prototyping Architecture: The Conference Papers*. Ed. Michael Stacey. Toronto; London: Riverside Architectural Press and London Building Centre, 2013. Print.
- Beesley, Philip. *Sibyl: Projects 2010-2012*. Toronto: Riverside Architectural Press, 2012. Print.
- Beesley, Philip, and Jonathan Tyrell. "Transitional fields: Empathy and Affinity." *All Our Relations*. Eds. Gerald McMaster and Catherine de Zegher. Sydney: The 18th Biennale of Sydney, 2012. Print. 379-381.
- Beesley, Philip. "Feeling Matter: Empathy & Affinity in the Hylozoic Series." *Meta.Morf A Matter of Feeling*. Ed. Espen Gangvik. Trondheim: TEKS Publishing, 2012. Print.
- Beesley, Philip, ed. *Living Cities: Vision and Method*. Cambridge: Resource Positive Architecture and Waterloo Architecture, 2011. Print.
- Beesley, Philip. *Hylozoic Ground: Liminal Responsive Architectures*. Toronto: Riverside Architectural Press, 2010. Print.
- Beesley, Philip. "Case Study: Meshes as interactive surfaces." *Digital Fabrication in Architecture*. By Nick Dunn. London: Laurence King, 2010. 46-48.
- Beesley, Philip. "Soil and Protoplasm." *Manufacturing the Bespoke*. Ed. Bob Sheil. London: Wiley, 2010. 102-119.
- Beesley, Philip, and Omar Khan, eds. *Responsive Architecture/Performing Instruments*. New York: The Architectural League of New York, 2009. Print.
- Beesley, Philip. "Hylozoic soil." *Leonardo* 42.4 (2009): 360-361.
- Beesley, Philip. "Geotextiles." Eds. Sarah Bonnemaison, and Ronit Eisenbach. *Installations by architects: experiments in Building and Design*. New York: Princeton Architectural Press, 2009. 90-97.
- Beesley, Philip, and Robert Gorbet. "Arduino at Work: the Hylozoic Soil control system." *Mobile Nation: Creating Methodologies for Mobile Platforms*. Eds. Philip Beesley, Martha Lady and Ron Wakkary. Toronto: Riverside Architectural Press, 2008. 235-240. Print.
- Beesley, Philip, and Sarah Bonnemaison. *On Growth and Form*. Toronto; Halifax: Riverside Architectural Press; Tuns Press, 2008. Print.
- Beesley, Philip, Catherine Molnar, and Paolo Poletto, eds. *Ourtopias*. Toronto: Riverside Architectural Press, 2008. Print.
- Beesley, Philip, Kathy Velikov, Geoffrey Thün, and Robert F. Woodbury, eds. *North House: Team North entry to the Solar Decathlon 2009*. Toronto: Riverside Architectural Press, 2008. Print.
- Beesley, Philip. "Cybele, Implant Matrix." *Digital architecture now: A global survey of emerging talent*. Ed. Neil Spiller. London: Thames & Hudson, 2008. 36-49.
- Beesley, Philip, and Oliver Neumann, eds. *FutureWood: Innovation in Building Design and Manufacturing*. Toronto: Riverside Architectural Press, 2007. Print.
- Beesley, Philip, ed. *Kinetic Architectures and Geotextiles Installations*. Toronto: Riverside Architectural Press, 2007 & 2010. Print.
- Beesley, Philip, Shane Williamson, and Robert Woodbury. *Parametric Modelling as a Design Representation in Architecture: A Process Account*. Toronto: Canadian Design Engineering Network Conference, July 2006. Print.
- Beesley, Philip, Sachiko Hirose, and Jim Ruxton. "Toward Responsive Architectures." *Responsive Architectures: Subtle Technologies*. Eds. Philip Beesley, Sachiko Hirose, Jim Ruxton, M. Trankle and C. Turner. Toronto: Riverside Architectural Press, 2006. Print. 3-11.
- Beesley, Philip, and S. Hanna. "Lighter: A Transformed Architecture." *Extreme Textiles: Designing for High Performance*. Ed. Matilda McQuaid. New York: Princeton Architectural Press, 2005. 103-137.
- Beesley, Philip. "Orgone Reef." *Guest Ed. Bob Sheil. Architectural Design* 75.4 (2005): 46-53.
- Beesley, Philip, and Thomas Seeböhm. "Digital tectonic design." *Promise and Reality: State of the art versus state of practice in computing for the design and planning process, Proceedings of the 18th eCAADe Conference*. Vol. 23. 2000.
- Jakovich, Joanne, and Dagmar Reinhardt. "Trivet Fields: The Materiality of Interaction in Architectural Space." *Leonardo* 42.4 (2009): 216-224.
- Krauel, Jacobo, Jay Noden, and William George. *Contemporary digital architecture: design & techniques*. Barcelona: Links, 2010.
- Schwartzman, Madeline. *See yourself sensing: redefining human perception*. London: Black Dog Publishing, 2011. 62.