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Rennie, Colin (2015) Crafted Computation. In: New Technologies in Practice, 22-24 Oct 2015, Urban Glass. (Unpublished)

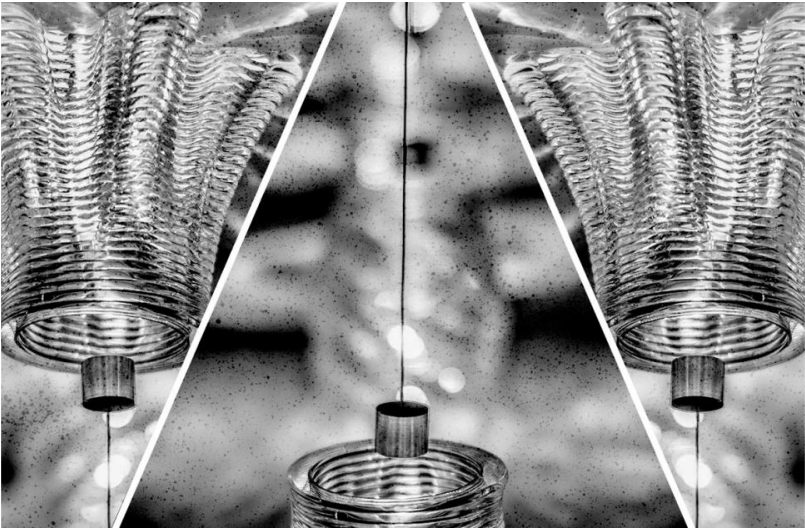
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“New Technologies in Practice”

**The Robert M. Minkoff Foundation
Academic Symposium
at UrbanGlass**



**New York City
October 22nd, 23rd, 24th, 2015**

SYMPOSIUM SPONSORS

ROBERT M. MINKOFF
foundation



A 501c3 Nonprofit Organization

“To promote the understanding, appreciation, and overall success of the glass arts, and to support human services and provider organizations worldwide.” --MISSION STATEMENT

www.rmmfoundation.org

UrbanGlass

Through studios, classes, exhibitions, and publishing, UrbanGlass is committed to furthering the use of glass as a creative medium.

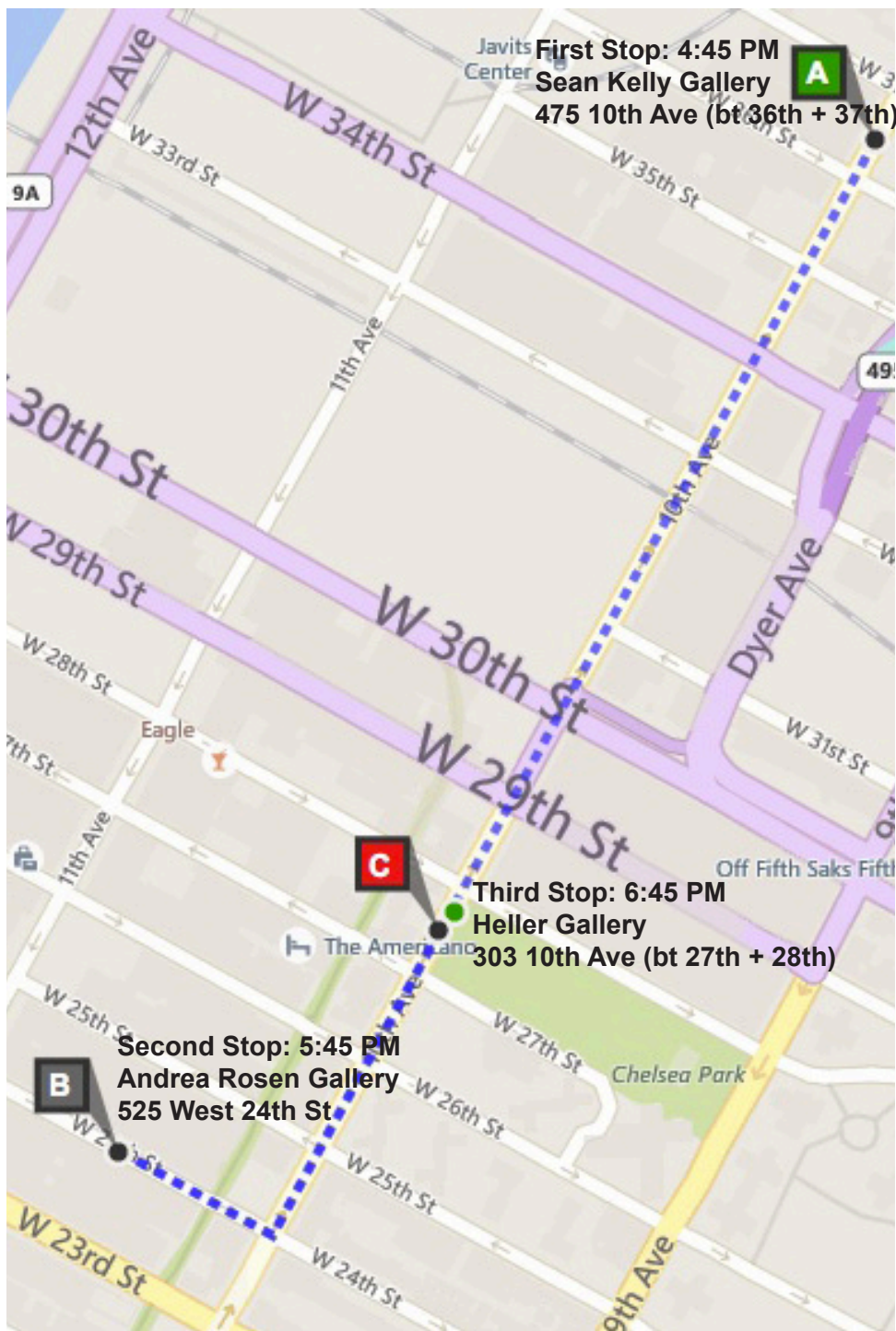
www.urbanglass.org



GLASS: The UrbanGlass Quarterly, a glossy art magazine published four times a year by UrbanGlass, has provided a critical context for the most important artwork being done in the medium of glass since it was founded in 1979.

www.glassquarterly.com

GALLERY TOUR, LOCATION MAP



SYMPOSIUM SCHEDULE, DAY TWO

Friday, October 23

**Location: St Francis College, Founder's Hall,
180 Remsen Street, Brooklyn**

8:15 am – Doors open; coffee and bagels

9:00 am – *Welcoming Remarks*: **Robert Minkoff**, Managing Trustee, Robert M. Minkoff Foundation; **Cybele Maylone**, Executive Director, UrbanGlass; and **Andrew Page**, Minkoff Foundation Director, Editor of *GLASS: The UrbanGlass Art Quarterly*, and Symposium Organizer.

9:15 am – *Keynote Presentation: bits + bytes: migratory investigations (technological implications for the field of glass)*
Tina Aufiero, Artistic Director, The Pilchuck Glass School

10:15 am – *Advancing The Digital Hand*
David Schnuckel, Visiting Assistant Professor, Rochester Institute of Technology

11:15 am – *New Possibilities with Science and Art: The Corning Museum of Glass/Corning Incorporated Specialty Glass Residency*
Glen Cook, Chief Scientist, The Corning Museum of Glass;
Amy Schwartz, Studio Director, The Corning Museum of Glass

12:30 – *Buffet Lunch — Sandwiches and Salads*

1:45 pm – *Crafted Computation*
Colin Rennie, Senior Lecturer in Hot Glass, Module Leader: Digital Crafts. University of Sunderland, Sunderland, England

2:45 pm - *Implementing Technology in an Established Glass Program*
Kim Harty, Head of Glass Program, College of Creative Studies, Detroit

3:30 pm – *Coffee Break*

4:00 pm – *Foundations of the Digital Interface: Integration and Practice*
Dan Clayman, practicing artist

5:00 pm – *Technology: Added Risk?*
Vanessa Cutler, MA Glass Programme Director, School of Design and Applied Art, University of Wales Trinity Saint David.

SYMPOSIUM SCHEDULE, DAY TWO, cont.

Friday, October 23
Location: Agnes Varis Art Center
UrbanGlass, 647 Fulton Street
1st Floor

6:00 pm – 8:00 pm Cocktail Reception at UrbanGlass, light snacks

GALLERY INSTALLATION:

Helen Lee: Becloud

The word “becloud” means to “cause to become obscure or muddled.” Helen Lee’s choice of this word asks us to consider the multiple ways in which her works transmit information through different kinds of semi-permeable barriers: heritage and love through culture and family, language and meaning through the written word, and the aesthetic and ineffable through glass and light.

—Sarah Archer, exhibition curator



SYMPOSIUM SCHEDULE, DAY THREE

Saturday, October 24, 2015

**Location: UrbanGlass Studio, 647 Fulton Street,
3rd Floor**

8:00 am – Doors Open, Coffee and Bagel Breakfast

9:00 am – *Ramping Up: Kilnformed Glass and Digitally Circulated Knowledge*

Mei-Ling Israel, Doctoral Candidate, Bard Graduate Center for Decorative Arts, Design History, Material Culture, New York City

10:00 am – *Case Study: Direct Digital Printing of Glass*

Peter Houk (with MIT Media Lab graduate students), Director, Glass Lab at the Massachusetts Institute of Technology, Cambridge, Massachusetts

11:00 am – *Finding a Balance Between Digital Technologies and Traditional Glassmaking Practices and Methodologies*

Dan Cutrone, Assistant Professor, Tyler School of Art, Philadelphia

12 Noon – *Lunch of sandwiches and salads by Erica Rosenfeld*

1:00 pm – *Technological Novelty Is Not Actually Very Novel*

Judith Schaechter, Adjunct Professor, University of the Arts, Philadelphia

1:30 pm – *Tools for Teaching Glass as Movement-Based Praxis*

Helen Lee, Assistant Professor, Head of Glass, University of Wisconsin, Madison

2:30 PM – *Case Study: A Course Combining Neon Elements with an Arduino Micro-Computer*

Joe Upham, Instructor, Co-Founder, UrbanGlass, Brooklyn, New York.

Ranjit Bhatnagar recently taught “Mister Resistor” at Parsons School of Design, a studio course and rock band with homemade instruments.

3:30 PM – *Making Art That Matters: The Intersection of Hand & Digital Fabrication and Social Responsibility*

Pamina Traylor, Craft Curriculum Coordinator, Glass Program Faculty California College of Art, Oakland, California

5:00 PM – *Closing Remarks*

PRESENTER BIOGRAPHIES

Tina Aufiero is the Artistic Director of the Pilchuck Glass School in Stanwood, Washington. She holds an MFA in design and technology from Parsons The New School for Design, New York City and a BFA in sculpture/glass from the Rhode Island School of Design, Providence, Rhode Island. Aufiero has extensive teaching experience and has exhibited widely.

Ranjit Bhatnagar is a sound artist who works with technology, language, and found materials to create interactive installations and musical instruments.

Dan Clayman is a sculptor who has been working with glass as his primary medium for thirty-five years. His work reveals his interests in engineering, the behavior of light, and how the memory of experience acts as the impetus for much of his work. An artist/educator, Daniel has taught in Israel and Australia in addition to a robust teaching schedule in the U.S. In the fall of 2015, Clayman will be teaching glass casting at Tyler School of Art while continuing his printmaking research with purposely devitrified glass surfaces.

Glen Cook became chief scientist for The Corning Museum of Glass after 16 years at Corning Incorporated as a senior research associate, conducting research in inorganic materials processing and composition. As chief scientist, he informs exhibitions, programs and publications, and also serves as a technical resource for the broader museum community, museum guests and the general public, as well as artists working in glass today. Cook holds a PhD and MS in metallurgical engineering from the University of Wisconsin-Madison and a BS in materials engineering from the New Mexico Institute of Mining and Technology.

Vanessa Cutler is an artist, educator and consultant, most recently lecturing on graduate and post graduate glass programmes at UWTSO (University of Wales Trinity Saint David) Swansea Wales, UK. Specialising in water-jet technology since 1997, she has been involved lecturing, writing papers, and working with the technology with her glass practice. In 2012, Cutler's book, *New Technologies in Glass*, was published. In 2013 she was awarded a personal chair by UWTSO.

Daniel Cutrone is an artist and educator living and working in Philadelphia. He is an assistant professor in the glass program at Tyler School of Art at Temple University. He has received a number of prestigious awards and grants and his work is in private and public collections. He was a Fellowship recipient from the Creative Glass Center of America at Wheaton Arts as well as an Artist Grant Recipient from the Pennsylvania Council on the Arts, among others. His most recent solo exhibition was at The Delaware Center for the Contemporary Arts.

Kim Harty is an artist, writer, and educator. Her work investigates the connection between craft and technology through sculpture, installation, video, and performance. She is heavily informed by her training as a glassblower and draws on her personal history as a craftsperson to explore how kinetic knowledge can be tracked, embodied, and performed. Harty currently serves as Assistant Professor and Section Chair of Glass at the College for Creative Studies.

Peter Houk is a practicing artist and the director of the Glass Lab at the Massachusetts Institute of Technology. He holds an M.A. in painting from the Boston Museum of Fine Arts School of Art and a B.A. from Oberlin College. Peter Houk is a studio glass artist, instructor, and director of the Glass Lab at the Massachusetts Institute of Technology. Trained as a painter and printmaker, Houk has been an artist in residence at the Massachusetts Institute of Technology and a fellow at the Creative Glass Center of America at Wheaton Village, New Jersey.

PRESENTER BIOGRAPHIES

Mei-Ling Israel is a doctoral candidate at the Bard Graduate Center for Decorative Arts, Design History and Material Culture in NYC. She holds a BA from Stanford University. She most recently presented her research at the Smithsonian Renwick Gallery Symposium on Craft.

Helen Lee is a practicing artist and the Head of Glassworking, at the University of Wisconsin, Madison. She holds an M.F.A. in glass from the Rhode Island School of Design, and a B.S.A.D. from the Massachusetts Institute of Technology.

Sharyn O'Mara is Associate Professor and Head of Glass Program at Tyler School of Art at Temple University in Philadelphia,. She is an interdisciplinary artist whose work spans installation, objects, and drawings. She earned her MFA from Rhode Island School of Design, and taught previously at The Kansas City Art Institute and RISD.

Marc Petrovic received a BFA in Glass from the Cleveland Institute of Art in 1991 and maintained a full time studio practice for 24 years prior to returning to Cleveland to head the Glass Department.

Colin Rennie has worked predominantly with glass as a material for sculpture since 1992. Alongside and complementing working as an artist, he currently teaches at the University of Sunderland, and has taught at the University of Wolverhampton and Sars Potteries, Musee atelier du Verre In France. Recently work has been realized through CAD CAM, waterjet, glassblowing and digital scanning, for work which questions the nature of skill and celebrates the ephemeral movements of a glass in its liquid state. Rennie lives and works in the Northeast of England.

Judith Schaechter has lived and worked in Philadelphia since graduating in 1983 with a BFA from the Rhode Island School of Design Glass Program. She has taught courses at RISD, the Pennsylvania Academy, the New York Academy of Art and at The University of the Arts, where she is ranked as an Adjunct Professor. Judith's work was included in the 2002 Whitney Biennial, a collateral exhibition of the Venice Biennale in 2012 and she is a 2008 USA Artists Rockefeller Fellow. In 2013, Judith was inducted to the American Craft Council College of Fellows.

David Schnuckel has earned degrees from Anderson University (BA in Fine Arts, '03) and the Rochester Institute of Technology (MFA, '10). His work has been shown in many noteworthy exhibitions both nationally and internationally. Currently, Schnuckel serves as Visiting Assistant Professor in the Glass Program of the Rochester Institute of Technology.

Amy Schwartz joined The Corning Museum of Glass in 1995 to create The Studio, the artistic and educational glassworking facility of the Museum that provide programs for people of all ages and all levels of glass expertise. Schwartz has studied extensively with William Gudenrath, Ruth King, and Lino Tagliapietra, and maintains her own glassblowing practice.

Pamina Traylor holds an M.F.A. from the Rochester Institute of Technology and a B.A. from Bryn Mawr College. From 2013– 2015, she was Craft Curriculum Coordinator at California College of the Arts where she has been on the faculty since 1995. She was Interim Chair of the Glass Program 2012 – 2013 and 1999-2000. In the Fall semester of 2007, she was an invited visiting artist/faculty member at the Osaka University of Art.

Joe Upham, one of the original founders of New York Experimental Glass Works (now UrbanGlass), created the NYEGW Neon Program in 1979. His interest in both technology and art has led to various projects.

RELATED URBANGLASS COURSES (ADDL FEES APPLY)

Light: Beyond Transparency

It is the intent of this one day workshop to focus on OBSERVATION and explore a conceptual approach to MANIFESTING these observations in the built environment.

Instructor: **James Carpenter**

1 Day Workshop | October 18

Sunday 10:00 am - 5:00 pm

\$250

Virtual Glass: Computer-Aided Design of Glass Cane

Virtual Glass is a software program created at MIT for the purpose of discovering new glass cane designs. The creators of this program will lead students through learning to use the software to create a cane design, developing a strategy for making that cane, and going to the hot shop to see how it works.

Instructors: **Erik & Martin Demaine**, and **Peter Houk**

1 Day Workshop | October 25

Sunday 9:00 am - 5:00 pm

\$275

A Word is a Thing in Motion (a collaboration with Brooklyn Brainery)

Artist Helen Lee will give a lecture on her studio practice, which investigates the morphological nature of language as words traverse a circuit of relationships through glass, design, and the body, followed by a guided walkthrough of Lee's current UrbanGlass exhibition, Becloud.

Instructor: **Helen Lee**

Lecture | October 25

Sunday, 5:00 - 6:30 pm

\$12 (purchased through the Brooklyn Brainery, brooklynbrainery.com)

For more information, or to register: www.urbanglass.org/classes



DINING AND DRINKING NEAR URBANGLASS

RESTAURANTS

No. 7 Restaurant, 7 Greene Avenue
Large Bar Area, Award-Winning Food (.4 mile)

Junior's Restaurant, 386 Flatbush Avenue EXT
Classic New York Deli Menu, Famous for Rich Cheesecake (.2 mile)

The Smoke Joint, 87 S Elliott Place
Reasonably Priced Barbeque Restaurant (.3 mile)

Bacchus, 409 Atlantic Avenue
Unpretentious French BistroFare (.5 mile)

Deniz, 662 Fulton Street
Turkish Restaurant with Seafood Focus (.2 mile)

La Caye, 35 Lafayette Avenue
Haitian Cuisine, Small Bar Area (.2 mile)

Walter's, 166 Dekalb Avenue
American Fine Dining, Craft Cocktails (.4 mile)

BARS

Die Stammkneipe/ Der Schwarze Koelner, 710 Fulton Street
German Beer Ba Extensive Draft Selection, Communal Tables (.4 mile)

Brooklyn Public House, 247 Dekalb Avenue
Gastropub, Wide Craft Beer Selection (.6 mile)

Sharlene's Bar, 353 Flatbush Avenue
Reasonably Priced, Carefully Cultivated Dive-bar Atmosphere (.9 mile)

SYMPOSIUM VENUES, LOCATION MAP

