## Conference Registration and Resource Desk Hours and Locations

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, September 21</td>
<td>5:00pm-7:00pm</td>
<td>Hyatt Coat Room</td>
</tr>
<tr>
<td>Saturday, September 22</td>
<td>6:15am-9:00am, 1:00pm-6:00pm</td>
<td>Hyatt Coat Room</td>
</tr>
<tr>
<td>Sunday, September 23</td>
<td>6:30am-4:00pm</td>
<td>Hyatt Coat Room</td>
</tr>
<tr>
<td></td>
<td>5:30pm-8:30pm</td>
<td>BNCC</td>
</tr>
<tr>
<td>Monday, September 24</td>
<td>7:00am-3:00pm</td>
<td>BNCC</td>
</tr>
<tr>
<td></td>
<td>3:30pm-7:00pm</td>
<td>Hyatt Coat Room</td>
</tr>
<tr>
<td>Tuesday, September 25</td>
<td>7:00am-11:30am</td>
<td>BNCC</td>
</tr>
<tr>
<td></td>
<td>1:30pm-6:00pm</td>
<td>Hyatt Coat Room</td>
</tr>
<tr>
<td>Wednesday, September 26</td>
<td>7:00am-3:15pm</td>
<td>Hyatt Coat Room</td>
</tr>
<tr>
<td>Thursday, September 27</td>
<td>7:00am-12:00pm</td>
<td>Hyatt Coat Room</td>
</tr>
</tbody>
</table>

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## Conference Events

**Saturday, September 22**
- 6:15am-8:15am: Workshop Breakfast
- 7:00am: WS3 Departure
- 8:00am: WS1 & WS2 Departure
- 6:00pm-9:00pm: PT1 Welcome to Buffalo!

**Sunday, September 23**
- 6:15am-8:15am: Field Session & Workshop Breakfast Buffet
- 7:30am: WS1, WS3, FS05 Departure
- 8:00am-4:30pm: Board of Directors Meeting
- 8:00am: FS01, 07, 08, 09, 10 Departure
- 8:30am: FS06 Departure
- 12:10pm: WS2 Departure
- 12:30pm: FS11, 12 Departure
- 1:00pm-4:00pm: COF Business Meeting
- 3:45pm-4:45pm: Student Scholar Meet and Greet
- 5:00pm-6:15pm: KS1 Opening Keynote
- 6:30pm-9:30pm: SE1 Exhibit Gala
- 8:00pm-10:00pm: Student Scholar Practice Session

**Monday, September 24**
- 7:00am-8:30am: TC-Modern Heritage
- 7:30am-8:30am: Breakfast with Exhibitors
- 7:30am-4:15pm: SE9 Student Engineering Competition Build and Poster Display
- 8:30am-4:30pm: SE3 Exhibit Hall
- 8:30am-10:00am: Concurrent Plenary Sessions
- 10:00am-10:25am: Break
- 10:00am: SE9 Student Engineering Bridge Build Begins
- 10:30am-Noon: Concurrent Paper Sessions
- 12:00pm-1:15pm: General Lunch
- 12:15pm-1:15pm: SE4 APT Preview Lunch and Student Recognition Program
- 1:15pm-2:30pm: Annual General Meeting (AGM)

---

Conference events will take place at the **Hyatt Regency Downtown** or the **Buffalo-Niagara Convention Center (BNCC)**. Workshops (WS), Field Sessions (FS), Pop-Up Events (PT), Special Events (SE) and events marked (*) may have specific meeting places and/or fees to attend. Visit the registration desk for more information.

*At press time, check the mobile app for the latest information*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:45pm-4:15pm</td>
<td>Concurrent Paper Sessions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00pm-6:00pm</td>
<td>PETC Meeting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00pm-6:15pm</td>
<td><strong>SE5</strong> Student Scholar Alumni Reception, Guaranty Building**</td>
<td>Off-site, see page 17</td>
<td></td>
</tr>
<tr>
<td>5:00pm-6:15pm</td>
<td>Modern Heritage Emerging Professionals Mixer**</td>
<td>Off-site see page 16 and 17</td>
<td></td>
</tr>
<tr>
<td>5:00pm-6:30pm</td>
<td><strong>PT2</strong> The Lady and Her Masterpiece</td>
<td>Grand Ballroom Foyer</td>
<td></td>
</tr>
<tr>
<td>5:15pm-6:15pm</td>
<td><strong>SE6</strong> AIA-HRC Reception</td>
<td>Grand ABC</td>
<td></td>
</tr>
<tr>
<td>6:30pm-7:00pm</td>
<td><strong>SE7</strong> HABS-Peterson Awards Ceremony</td>
<td>Grand ABC</td>
<td></td>
</tr>
<tr>
<td>7:00pm-8:30pm</td>
<td><strong>KS2</strong> COF Keynote and Installation</td>
<td>Off-site, see page 17</td>
<td></td>
</tr>
<tr>
<td>8:45pm-11:00pm</td>
<td><strong>SE2</strong> Chapters Mixer, Pearl Street Grille &amp; Bar</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tuesday, September 25**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00am-8:00am</td>
<td>TC-Materials Meeting</td>
<td></td>
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<tr>
<td>7:00am-8:15am</td>
<td>TC-Sustainable Preservation Meeting</td>
<td>Hyatt Regency BC</td>
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<tr>
<td>7:15am-8:15am</td>
<td>Publications Committee Meeting</td>
<td>Hyatt Delaware</td>
<td></td>
</tr>
<tr>
<td>7:00am-8:15am</td>
<td><strong>SE8</strong> Chapters Breakfast Meeting</td>
<td>Hyatt Grand Ballroom A</td>
<td></td>
</tr>
<tr>
<td>7:00am-8:30am</td>
<td>Continental Breakfast</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>7:30am-8:15am</td>
<td><strong>SE9</strong> Engineering Competition Testing</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>7:30am-12:00pm</td>
<td>Demonstration Pavilion</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>7:30am-10:30am</td>
<td>Latin American Chapter Posters Display</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>8:30am-10:00am</td>
<td>Concurrent Paper Sessions</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>10:00am-10:25am</td>
<td>Refreshment Break</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>10:30am-12:00pm</td>
<td>Latin American Chapter Roundtable</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>10:30am-12:00pm</td>
<td>Concurrent Paper Sessions</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>12:00pm-1:00pm</td>
<td>General Lunch</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>12:00pm-1:00pm</td>
<td>TC-Documentation Meeting</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>12:30pm</td>
<td><strong>FS 17</strong> Departure</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>1:00pm-7:00pm</td>
<td><strong>SE9</strong> Student Bridge Presentations and Workshop</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>1:00pm-2:00pm</td>
<td><strong>PT3</strong> Burnham vs Sullivan</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>1:00pm-4:00pm</td>
<td><strong>PT4</strong> Fireboat Tour</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>1:30pm-4:00pm</td>
<td>Latin American Chapter Meeting</td>
<td>BNCC</td>
<td></td>
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<tr>
<td>1:30pm</td>
<td><strong>FS 13, 14, 16, 18, 19, 20 and 21</strong> Departure</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>6:00pm-7:00pm</td>
<td><strong>PT5</strong> Buffalo &amp; Its World-Famous Architecture</td>
<td>BNCC</td>
<td></td>
</tr>
<tr>
<td>6:30pm-10:00pm</td>
<td><strong>SE10</strong> APT Awards Banquet, Hotel Henry</td>
<td>BNCC</td>
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</table>

**Wednesday, September 26**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00am-8:15am</td>
<td>Continental Breakfast</td>
<td>Grand A + Grand Ballroom Foyer</td>
<td></td>
</tr>
<tr>
<td>7:15am-8:15am</td>
<td>Board of Directors Meeting</td>
<td>Grand C</td>
<td></td>
</tr>
<tr>
<td>8:30am-10:00am</td>
<td>Concurrent Paper Sessions</td>
<td>Grand A + Grand Ballroom Foyer</td>
<td></td>
</tr>
<tr>
<td>10:00am-10:25am</td>
<td>Break</td>
<td>Grand A</td>
<td></td>
</tr>
<tr>
<td>10:00am</td>
<td>Student Engineering Competition Results</td>
<td>Grand A</td>
<td></td>
</tr>
<tr>
<td>10:30am-12:00pm</td>
<td>Concurrent Paper Sessions</td>
<td>Delaware</td>
<td></td>
</tr>
<tr>
<td>10:30am-12:00pm</td>
<td>College of Fellows Roundtable</td>
<td>Hyatt Lobby</td>
<td></td>
</tr>
<tr>
<td>1:00pm</td>
<td><strong>SE11A, B, C</strong> APT’s 50th Departure (lunch on your own)</td>
<td>Hyatt Lobby</td>
<td></td>
</tr>
<tr>
<td>4:00pm</td>
<td><strong>SE11D</strong> APT’s 50th, Direct Route Departure</td>
<td>Hyatt Lobby</td>
<td></td>
</tr>
</tbody>
</table>

**Thursday, September 27**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30am-8:15am</td>
<td>Breakfast</td>
<td>Hyatt Regency AB</td>
<td></td>
</tr>
<tr>
<td>8:30am</td>
<td><strong>FS22</strong> Departure</td>
<td>Hyatt Lobby</td>
<td></td>
</tr>
<tr>
<td>8:30am-4:30pm</td>
<td><strong>SY1</strong> Symposium-The Next 50</td>
<td>Grand EFG</td>
<td></td>
</tr>
</tbody>
</table>
A Genuine Terra Cotta façade expresses the soul of a building.
Let Gladding, McBean Terra Cotta be a part of your building’s soul revival.

Project shown: restoration piece for the NYU façade located at 708 Broadway in New York.

GMB
OVER A CENTURY
OF CRAFTSMANSHIP
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GENERAL INFORMATION

Attire: Most events are business casual. Field sessions may combine both indoor and outdoor locations; it is recommended to dress in layers and wear good walking shoes. For the APT Awards Banquet, cocktail attire is recommended, but not mandatory.

Badges: Required at all conference events.

Passports: Events that take place in Canada will require a valid passport for entry back into the US.

Events: Conference events will take place at the Hyatt Regency Downtown or the Buffalo-Niagara Convention Center. The detailed agenda includes locations.

Events with fees: Space permitting, you may still register for a workshop, field sessions and/or purchase special event (SE) tickets. Visit the Conference Registration Desk for more information.

Pop-Up events: Pop-up events (PT) are being provided as optional activities and are not part of the official APT Conference program. APT is not responsible for events that may cancel, reschedule or are full, and assumes no liability for those wishing to attend these events. See map on page 17 for off-site locations and/or meeting places.

Lost and Found: Will be located at conference registration at the Hyatt during regular conference registration hours. All registration hours and locations are listed on the inside of the front cover.

Meals: Your full Conference registration includes food served at the Exhibit Hall and listed joint continental breakfasts or lunches. Breakfast and lunch are included for workshops (WS1, WS2, WS3). Meals on your own are a great opportunity to see downtown Buffalo!

Mobile App Assistance: Visit the Conference Registration and Resource Desk for assistance or mobile app issues. See page 9 for more information on the mobile app.

CE INFORMATION

Continuing Education: APT is an approved provider for the following professional continuing education credits: AIA, ASLA and RCEP. Continuing Education Certificates can be obtained via the mobile app after completing evaluations for each session attended or paper forms can be found at the Conference Registration and Resource Desk. Hours will be reported to AIA, RCEP or ASLA based on your certificate activity within 60 days of the conference.

• American Institute of Architects Learning Units (AIA LUs)
• Canadian Architects: all provinces will accept AIA-approved CEs to fulfill requirements.
• RCEP Professional Development Hours (RCEP PDHs)
• American Society of Landscape Architects (ASLA LUs)
WELCOME!

On behalf of the Association for Preservation Technology International, welcome to Buffalo, the “Queen City,” to celebrate APT’s 50th year! From a dozen Canadian and American preservationists who met at Stanley House in 1968 to a truly international organization with an annual membership of over 1,400, APT has a storied history that will be portrayed throughout the events of this conference. The theme of the conference – POINTS OF DEPARTURE – provides the perfect platform for celebrating our past and framing our future!

Located near the US-Canadian border, Buffalo is the perfect location for our 50th anniversary meeting. Buffalo was the 6th largest port in the world in 1906 due to its location on the Erie Canal, which connects Buffalo with New York City and the Atlantic. For many years, Buffalo was literally and physically one of the most important points of departure on the continent.

But it’s not just about Buffalo… Just like the first meeting of the founding members of APT, we will also have opportunities to attend events across the border in Canada. The main conference will culminate in a festive event at Jackson-Triggs Winery in Niagara-on-the-Lake, the home of one of APT’s founders, Peter Stokes.

I look forward to the many discussions that will occur as we gather to celebrate APT’s past, present and future.

Welcome to APT Fifty!

Kitty Vieth, AIA, LEED AP
APT President
Local Conference Committee

Local Conference Committee
Barbara Campagna
Conference Chair/Symposium Co-Chair
James Banta
Program Committee
Janis Barlow
NDE Workshop/Canada Day
Clint Brown
Field Sessions Committee
Sloane Bullough
Field Sessions Committee
Roxanne Button Kujawa
Special Events Chair
Patrick Capruso
Program and Field Sessions Committee
Jiuan-Jiuan (JJ) Chen
Field Sessions Committee
Courtney Creenan
Field Sessions Committee
Timothy Crowe
NDE Workshop Co-Leader
Stephanie Crockatt
Field Sessions Committee
Brian Dold
Field Sessions Committee
Art Femenella
Windows Workshop Co-Leader
Jill Gottscheff
Symposium Co-Chair/Emerging Professionals
Anthony James
Program and Field Sessions Committee
Omar Kahn
Terra Cotta Workshop
Derek King
Field Sessions Committee
Evans Kopelson
Program Committee Co-Chair
Ashima Krishna
Field Sessions Committee
Christine Krolewicz
Workshops/Field Sessions Co-Chair
John Krouse
Terra Cotta Workshop
Paul Lang
Workshops/Field Sessions Co-Chair
Christiana Limniatis
Field Sessions Committee
Chrissey Lincoln
Windows Workshop
Michael Lennon
Program Committee Co-Chair
John Lutz
Program Committee

Tracy Martell
Program Committee
Paul McDonnell
Field Sessions Committee
LaLuce Mitchell
Vice-Chair/Terra Cotta Workshop Co-Chair
Nancy Oakley
NDE Workshop/Canada Day
Kristen Olson
Field Sessions Committee
Bill Pottle
Terra Cotta Workshop
Michael Puma
Field Sessions Committee
Patrick Ravines
Field Sessions Committee
Andrea Rebeck
Program Committee
Nancy Redeye
Windows Workshop
Mary Roberts
Field Sessions Committee
Steve Swiat
Windows Workshop Co-Leader
Scott Tripp
Vice-Chair/NDE Workshop Co-Leader
Amy Lamb Woods
Terra Cotta Workshop Co-Leader
Bob Wooler
Field Sessions Committee
Sarah Zawadzki
Terra Cotta Workshop

Session Chairs
Elisabeth Bakker Johnson
James Banta
David Bitterman
Barbara Campagna
Elizabeth Corbin Murphy
David Fixler
Frances Gale
Chris Gembinski
Lonnie Hovey
Tony James
Dean Koga
Michael Lennon
LaLuce Mitchell
Rick Ortega
Sue Ann Pemberton
Nancy Rankin
Frank Sanchis
Lorraine Schnabel
Deborah Slaton
Jonathan Spodek
Ron Staley
Mark Thompson Brandt
Peter Wollenberg
David Woodcock
Dan Worth

Abstract Reviewers
Dave Anderson
John Arnold
James Banta
David Bitterman
Jean Benoit-Bourdeau
Anne Brask
Lane Burritt
Patrick Capruso
Jean Carroon
Caitlin Chamberlain
Claude Charbonneau
Avigal Charnov
Joy Coleman
Quentin Collette
Elizabeth Corbin Murphy
C. Creenan-Chorley
Gina Crevello
Kevin Daly
Stephanie Davis
Elaine De Coursey
Sarah Devan
John Dumsick
Barbara Fisher
Peter Flynn
Mike Ford
Chris Gembinski
Leslie Gilmore
Jack Glassman
Nan Guttermen
Andrew Hamilton
David Hart
Heather Hartshorn
Lonnie Hovey
Ken Ite
Tony James
Marilyn Kaplan
Meghan Kleon
Evans Kopelson
Carol Kung
Molly Lambert
Michael Lennon
James Maddigan
Courtney Magil
Glenn Mason
Julia Mathias Manglitz

The APT Buffalo-Niagara Conference is also brought to you by members of these APT Technical and Standing Committees:
Training and Education Committee • Technical Committee on Modern Heritage
Technical Committee on Preservation Engineering • Technical Committee on Sustainable Preservation
Technical Committee on Documentation • Technical Committee on Materials

Local Conference Committee
PLATINUM

GOLD

COLORS FOREVER.

SILVER

Cathedral Stone Products, Inc.
The leader in scientific masonry restoration

delSuey’s LIME WORKS™

Atlas Preservation

BAC[A+P]

Barbara A. Campagna/Architecture + Planning, PLLC

Beyer Blinder Belle 50 YEARS

CINTEC

D/2 BIOLOGICAL SOLUTION
2018 CONFERENCE SPONSORS
American Institute of Architects
Anderson Hallas Architects
Buffalo Architectural Casting
Darwen Terra Cotta Limited
ERA Architects
EYP Inc.
Flynn Battaglia Architects, PC

Gretchen K Pfaehler, AIA
Integrated Conservation Resources
Old Structures Engineering
Solstice Stained Glass
The Christman Company
United Building Envelope Restoration, LLC
Vertical Access LLC

CONFEREE PARTNERS

UNIQUE OPPORTUNITY SPONSORS

Architectural Resources Group - Opening Keynote
Assorestauro - Exhibit Gala Dessert Station
Beyer Blinder Belle Architects & Planners LLP HAPS-Petersen Awards
EverGreene Architectural Arts - Lanyards
John Canning & Co., Ltd. - Hotel Key Cards
Karcher - Morning Break
KEIM Mineral Coatings - BNCC and website banner
mcCallumSather - Coffee Sleeves
Wiss, Janney, Elstner Associates, Inc. - Tote Bags

* At press time.
Have all the information for this year’s conference at your fingertips by using our mobile app! You can see a detailed agenda as well as information on speakers, special event locations, exhibitors and sponsors. By logging in and creating a profile, you can also:

• Create a personalized calendar and sync it to your mobile calendar;
• Message attendees, speakers and/or sponsors;
• View any presentations shared by speakers; and
• Get your CE forms right on your phone.

Once downloaded using the Internet, data is stored on your device making it accessible without a Wi-Fi connection. It will automatically update once reconnected. A Resource Desk is available during regular conference registration hours for mobile app assistance. See the Agenda-At-A-Glance for hours and locations.
Saturday, September 22

6:15am-9:00am  Conference Registration  Coat Room
6:15am-8:15am  Workshop Breakfast  Sun Garden
7:00am  WS3 Departure  Hyatt Lobby
8:00am  WS1 & WS2 Departure  Hyatt Lobby

WS1 Terra Cotta Restoration Workshop
Sponsored by

A full two-day program with comprehensive information on the history, construction, material characteristics, investigation strategies, material testing, removal and dismantling, best practice repair and replacement treatment options, details and guidelines review, and lessons learned case studies of terra cotta.

Workshop Co-Chairs:
LaLuce Mitchell and Amy Lamb Woods

Workshop Presenters:
Susan Tunick  John Krouse
Brett Laureys  William Carty
John F. McMahon  Omar Khan
Roy Ingraffia, Jr.  Daniel Allen
Carolyn Searls  Corey Manchenton
Peter Flynn  Rachel Will
Jamie Farnham

WS2 Windows Restoration Workshop

The Windows Restoration Workshop combines hands-on training of traditional wood window repair with technical briefings on the window preservation standards which will include the results of third-party testing of various restoration methods. The primary focus of the workshop will be the restoration of wood windows; however, steel and leaded glass window restoration will be addressed and demonstrated. Window professionals from the local area will join with international experts in demonstration of techniques and use of materials.

Workshop Co-Chairs:
Arthur Femenella, Sr. and Steve Swiat

Workshop Presenters:
Arthur Femenella, Jr.  Steve Jordan
John Lekee  Paul Marlowe
Nancy Redeye  Jodi Rubin
Amy Swift  Walid Zaibak

Saturday, September 22

WS3 Nondestructive Evaluation Methods for Historic Structures
Sponsored by

WILLOWBANK

The use of non-destructive evaluation (NDE) in the assessment of heritage structures is extremely effective in obtaining critical information regarding a building’s structural arrangement and condition. This 2-day workshop will explore the most effective NDE technique combinations, provide attendees a hands-on opportunity to experiment with NDE equipment.

Workshop Co-Chairs:
Tim Crowe and Scott Tripp

Workshop Presenters:
Charles Bransby-Zachary  Michael Schuller
Lyse Blanchet  Gina Crevello
Joshua Freedland

1:00pm-6:00pm  Conference Registration  Coat Room
5:30pm  PT1 Departure  Hyatt Lobby

6:00pm-9:00pm  PT1 Welcome to Buffalo!

APT, the World Monuments Fund, the Central Terminal Restoration Corporation and the Buffalo Architecture Foundation (BAF) invite you to a “Welcome to Buffalo Party!” This event is free, but bus transportation is limited to the first 200 people. Other transportation is available for a fee (taxi, uber).

Sunday, September 23

6:30am-4:00pm  Conference Registration  Coat Room
6:15am-8:15am  Field Session & Workshop Breakfast  Hyatt Grand B

Sunday Field Sessions, departure times follow.

FS01 Industrial Colossus: The Buffalo Belt Line
FS05 Documentation
FS06 Medina Sandstone
FS07 Remaking Historic Churches
FS08 Greatest Hits
FS09 Preserving Historic Properties Through A Landscape Lens
FS10 The Best Planned City in America (Olmsted)
FS11 Revitalization and the Craft Beverage Boom
FS12 The Arts and Crafts Movement

*At time of printing, check the mobile app for the latest information.*
CONFERENCE SCHEDULE

Sunday, September 25

7:30am  WS1, WS3, FS05 Departure Hyatt Lobby
8:00am-4:30pm  Board of Directors Meeting
Off-site: The Mansion
8:00am  FS01, 07, 08, 09, 10 Departure
Hyatt Lobby
8:30am  FS06 Departure
Hyatt Lobby
12:10pm  WS2 Departure
BNCC
12:30pm  FS11, 12 Departure
Hyatt Lobby
1:00pm-4:00pm  COF Business Meeting
Grand C
3:45pm-4:45pm  Student Scholar Meet and Greet
Sun Garden
5:00pm-6:15pm  KS1 Opening Keynote
Off-site: Babeville (see page 17)
Sponsored by
Architectural Resources Group
Keynote speaker: Alex Wilson
President, Resilient Design Institute
Founder, BuildingGreen, Inc.

Join APT’s President Kitty Vieth, for the official conference kick-off as we welcome attendees and recognize the individuals and sponsors that made this conference possible.

The theme for our Opening Keynote Session is “Resilience,” a topic that our organization sees as one of the most important themes for preservationists moving forward.

Sunday, September 25

5:30pm-8:30pm  Conference Registration
BNCC Lobby
6:30pm-9:30pm  SE1 Exhibit Gala
BNCC Ballroom
Network with exhibitors while enjoying delicious appetizers and cocktails. The Exhibit Gala is a festive event which gives you the opportunity to connect with exhibitors, learn about their wares and services, and meet with the key decision makers. The Buffalo-Niagara Convention Center (BNCC) is accessible through a walkway from the Hyatt atrium.

6:30pm-9:30pm  Pop-Up Book Store
BNCC Lobby
The Opening Keynote speaker, Alex Wilson will be signing his book! See full schedule and additional authors below.

8:00pm-10:00pm  Student Scholar Practice Session
BNCC 101AH and 106AD

Monday, September 24

7:00am–3:00pm  Conference Registration
BNCC
7:00am-8:30am  TC-Modern Heritage
Ellicott
7:30am-8:30am  Breakfast with Exhibitors
BNCC Ballroom
Start your morning early and head over to the Buffalo-Niagara Convention Center to grab a cup of coffee, a bite to eat and catch up with any exhibitors you missed last night. The Exhibit Hall will stay open after breakfast until 4:30pm, so stop by anytime during the day!

7:30am-4:15pm  BNCC Lobby
SE9 Student Engineering Competition Build & Poster Display
8:30am-4:30pm  SE3 Exhibit Hall
BNCC Ballroom
8:30am-10:00am

New! Pop-Up Book Stores brought to you by Steven Schuyler Bookseller and The Martin House.

BOOK STORE HOURS (subject to change)
Sunday  6:30pm-9:30pm  BNCC Lobby
Monday  8:00am-4:15pm  BNCC Lobby
Tuesday  8:00am-10:30am  BNCC Lobby

Author Schedule (subject to change)
Sunday, September 23  BNCC Lobby
7:15pm-8:00pm  Alex Wilson, Opening Keynote, Your Green Home
Ilene R. Tyler, Norman Tyler, & Ted J. Ligibel
Historic Preservation, Third Edition

Monday, September 24  BNCC Lobby
Morning Break: 10:00am-10:25am
Chris Grimley and Mark Pasnik
Heroic: Concrete Architecture & The New Boston
Michael McClelland and Graeme Stewart
Concrete Toronto

Thursday, September 27  Grand Foyer, Hyatt
Afternoon Break: 2:30pm-2:45pm
Wayne Donaldson
The Final Mission: Preserving NASA’s Apollo Sites
Monday, September 24
NEW! Concurrent Plenary Sessions

PL1 BNCC 101AH
Rethinking Fifty Years of Preservation Philosophies and Approaches
Session Chair: David G. Woodcock
The Belvedere in Central Park: Adapting to Change, Preserving Purpose
Speakers: Lane Addonizio, Denise Keaveney, Chris Nolan
A New Lease on Life for the Canada Four Corners Building
Speakers: Chris Vopni, Cristina Ureche-Trifu
Marvellous Melbourne under pressure: Is the palimpsest legible?
   Speaker: Roger B. Beeston

PL2 BNCC 106AD
Can We Redefine Brutalism, Post-War Architecture and Urban Renewal?
Session Chair: Barbara A. Campagna
Concrete Toronto
Speakers: Michael McClelland, Graeme Stewart,
   Heroism & Hubris
   Speakers: Chris Grimley, Mark Pasnik

PL3 BNCC 106BC
Climate Chaos & Historic Building Environments: The Intersection of Preservation and Resilience
   Session Chair: Mark Thompson Brandt
   Coastal Resilience: Strategies Addressing Sea Level Rise in Historic Districts
   Speaker: Robert J. Hotes
   Houston’s Buffalo Bayou- Present Challenges and Visions for the Future
   Speaker: Priya Jain
   Climate Change/Climate Control X Museum Environment/Sea Level Rise
   Speaker: Tom McGrath

10:00am-10:25am Break BNCC Ballroom

Student Design Build Competition BNCC Lobby
Join us during the 10:00am break as the PETC Student Design Build Competition teams build their timber bridges. The scaled model bridges are based on historic designs dating from 1840 to 1890. The build will be timed, and the bridges will be load tested on Tuesday. The students’ bridges will be evaluated on various criteria including strength-to-weight ratio, speed of build and constructibility, and serviceability. Come cheer on the students as they build their bridges!

Monday, September 24

10:30am-Noon Concurrent Paper Sessions Page 18
12:00pm-1:15pm General Lunch Exhibit Hall and 101CDEF
12:15pm-1:15pm SE4 APT Preview Lunch and Student Recognition Program
Hyatt Grand Ballroom A
Get the first look at our Conference city for next year, hear about what’s in store, and make plans to join us in Miami! We will also recognize the 2018 Student Scholars, their mentors and school advisors as well as the 2018 Student Design Build Competition teams.

1:15pm-2:30pm Annual General Meeting (AGM) Hyatt Grand Ballroom A
In additional to APT updates, the first cohort of APT recognized professionals will be presented.

2:45pm-4:15pm Concurrent Paper Sessions Page 20
4:00pm-6:00pm PETC Meeting Hyatt Delaware

5:00pm-6:15pm SE5 Student Scholar Alumni Reception (by invitation only)
Off-site: Guaranty Building, see page 17
Join us for the first APT Student Scholars Reunion Reception. This event will bring past Student Scholars together in the beautifully restored Louis Sullivan Guaranty Building – one of the grandest historic spaces in Buffalo – to network, share recent achievements, and reconnect with Mentors. Student scholar alumni reception attendees MUST wear their conference badge at The Guaranty Bldg.

5:00pm-6:15pm Modern Heritage Emerging Professionals Mixer Hyatt Ellicott (by invitation only)

5:15pm-6:15pm SE6 AIA-HRC Reception Grand Ballroom Foyer
The AIA Historic Resources Committee invites you to join them for a cocktail and light hors d’oeuvres. Cash bar available.
**Monday, September 24**

6:30pm-7:00pm  
**SE7** HABS-Peterson Awards Ceremony  
Grand ABC  
Sponsored by  
**BEYER BLINDER BELLE**  
50 YEARS  
7:00pm-8:30pm  
**KS2** COF Keynote and Installation  
Grand ABC  
Join us as we induct the 2018 APT Fellows, followed by our keynote.  
**Keynote:** Randall Mason  
*University of Pennsylvania*  
*Conserving Rwandan Genocide Memorials*

8:45pm-11:00pm  
**SE2** Chapters Mixer  
Off-site: Pearl Street Grille & Bar  
Open to all conference attendees, join APT members and enjoy a bite while socializing at a great spot just blocks from the Hyatt. No fee required to attend, pay for your own expenses.

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**Tuesday, September 25**

7:00am-11:30am  
Conference Registration  
BNCC Lobby  
7:00am-8:00am  
TC-Materials Meeting  
Ellicott  
7:00am-8:15am  
TC-Sustainable Preservation Meeting  
Regency BC  
7:00am-8:15am  
**SE8** Chapters Breakfast Meeting  
Hyatt Grand Ballroom A  
Rise and shine, grab a great breakfast and connect with professionals from the APT Chapter that represents your geographical area. Make the most of your APT membership! Tickets must be purchased to attend this event.

7:00am-8:30am  
**TC-Codes**  
Hyatt Niagara  
7:15am-8:15am  
Publications Committee Meeting  
Hyatt Delaware  
7:30am-8:15am  
Continental Breakfast  
BNCC Ballroom  
7:30am  
**SE9** Engineering Competition Testing  
BNCC Ballroom  
Join us this morning to watch the load testing of the PETC Student Design Build Competition student bridges. Load testing will continue during the 10:00-10:25 a.m. coffee break and during lunch. Come cheer on the students as their bridges are load tested!

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**Tuesday September 25**

7:30am-12:00pm  
Demonstration Pavilion  
BNCC Ballroom  
Different from our Exhibit Hall, network with companies that have a product or service to demonstrate and maybe offer you a new solution to your project! Companies on page 36.

7:30am-10:30am  
Latin American Chapter Posters Display  
BNCC Ballroom  
8:30am-10:00am  
Concurrent Paper Sessions  
Page 22  
10:00am-10:25am  
Refreshment Break  
BNCC Ballroom  
10:30am-12:00pm  
Latin American Chapter Roundtable  
BNCC 108  
Adaptive reuse of historic buildings in Latin America: From preserving theoretical approaches to successful and unsuccessful examples. The roundtable will cover three major themes: theoretical aspects applied to the controversy of changing the original use of historic buildings; successful cases of preservation of historical buildings utilizing a new use adaptation to the historical materiality of heritage buildings; and finally, cases in which the intervention of adapting the historic building damaged or negatively affected the historic building. English translation will be available.

10:30am-12:00pm  
Concurrent Paper Sessions  
Page 24  
12:00pm-1:00pm  
General Lunch  
BNCC Ballroom  
12:30pm-1:00pm  
**FS17** Departure  
BNCC  
**FS17** Preservation and Green Infrastructure  
1:00pm-7:00pm  
**SE9** Student Bridge Presentations and Workshop  
BNCC 109  
1:00pm-2:00pm  
**PT3** Burnham vs Sullivan  
See page 16 and 17  
This tour will visit Burnham’s Ellicott Square Building on the east side of downtown, and Sullivan’s Guaranty Building, two blocks to the west, to compare the very different approaches to what an office building could be by two of the 19th Century’s best architects.

1:00pm-4:00pm  
**PT4** Fireboat Tour  
See page 16 and 17  
The Edward M. Cotter is a National Historic Landmark and the oldest active fireboat in the world, constructed in 1900. Open for tours for APT conference attendees and guests from 1-4pm for free volunteer-led continuous tours at the Fireboat Slip at the corner of Michigan Ave & Ohio Street (donations are appreciated but not required).

1:30pm-4:00pm  
**Regency Ballroom**  
Latin American Chapter Meeting  
Regency Ballroom
### Tuesday, September 25

**Tuesday Field Sessions 1:30 Departure**  
Hyatt Lobby

- **FS13** E.B. Green Tour de Force Bike Tour
- **FS14** Buffalo Modern
- **FS16** Boat Tour-Grain Elevators
- **FS18** Converted Loft Buildings
- **FS19** Renewable Energy Meets Historic Preservation
- **FS20** Is it Stained Glass or Art Glass?
- **FS21** Terra Cotta Walking Tour

**1:30pm-6:00pm Conference Registration Coat Room**

6:00pm-7:00pm  
**PT5** Buffalo & Its World-Famous Architecture  
See page 16 and 17

Significant examples by almost every iconic architect from every style and era can be found in Buffalo-Niagara. Richardson, Sullivan, Wright, Upjohn, the Saarinens, Yamasaki, Stone, Rudolph, Burnham, Bunshaft, Pei and the largest Olmsted-designed park system in the world are all featured here. Take a visual tour of Buffalo's architectural story with the city's leading architectural historian, Martin Wachadlo.

**5:30pm SE10 First Departure Hyatt Lobby**

**6:30pm-10:00pm SE10 APT Awards Banquet**  
Off-site: Hotel Henry

Join us for a festive, celebratory dinner at Hotel Henry, located at one of Western New York’s most iconic architectural landmarks, as we recognize the achievements of colleagues who made significant contributions to the Association and the industry in the past year. Fee includes wine with dinner and dessert. An optional wine-pull fundraiser and raffle will support the scholarship fund. Cash bar available. Buses will begin to depart for Hotel Henry at 5:30 from the Hyatt Lobby and last bus to Hotel Henry is 6:30 pm. Returning buses will begin to depart Hotel Henry at 9:00 pm.

### Wednesday, September 26

**Conference Registration Coat Room**

7:00am-3:15pm  
Continental Breakfast  
Grand A, Grand Ballroom Foyer

7:15am-8:15am  
Board of Directors Meeting  
Grand C

8:30am-10:00am  
Concurrent Paper Sessions  
Page 26

10:00am-10:25am  
Break  
Grand A + Grand Ballroom Foyer

**10:00am Student Engineering Competition Results**  
Grand A

**10:30am-12:00pm Concurrent Paper Sessions**  
Page 28

**10:30am-12:00pm College of Fellows Roundtable**  
Delaware

**10:30am-12:00pm Reconstruction In Preservation: A Debate**

**SE11** APT 50th Celebration. Out last night together to celebrate APT! Whether you choose to spend part of the day visiting Canada or go via the direct route we will gather together for a special evening at Canada’s most awarded winery, Jackson Triggs. **You will receive a wristband that corresponds to your bus. Wristbands must be worn to get on the bus.**

1:00pm  
**SE11A, B, C APT’s 50th Departure**  
Hyatt Lobby

Via Niagara On The Lake, Willowbank or Niagara Falls.

Lunch is on your own this afternoon.

Willowbank – Purple

Niagara – Sky blue

On the Lake – Green

Direct Route/Others: Goldenrod

4:00pm  
**SE11D APT’s 50th, Direct Route Departure**  
Hyatt Lobby

### Thursday, September 27

**Conference Registration Coat Room**

7:00am-12:00pm  
Conference Registration  
Coat Room

7:30am-8:15am  
Breakfast  
Regency AB

8:30am  
**FS22 Departure Hyatt Lobby**

**SY1 Symposium-The Next 50**  
Grand EFG

**Keynote: Milford Donaldson, FAIA**

Served as the California State Historic Preservation Officer from 2004-2012  
Appointed Chairman of the Advisory Council on Historic Preservation by President Barack Obama in 2010

The Next Fifty – Points of Departure, will develop the intellectual and technological themes that we envision will move APT forward. Through breakout sessions and facilitated discussions, a facilitator and Technical Committee leaders will work with participants to create a vision for the Next Fifty. We hope to see you there!
**KS1 Opening Keynote: Alex Wilson**

Alex Wilson is the founder of BuildingGreen, Inc. in Brattleboro, Vermont, an 18-person company that has served the design and construction industry with non-biased information on environmentally responsible design and construction since 1985. He is the author of *Your Green Home* (2006), and co-author of *Green Development: Integrating Ecology and Real Estate* (1998), and the *Consumer Guide to Home Energy Savings* (1990, 9th edition, 2007). He has also co-authored a series of four guidebooks on quiet-water canoeing and kayaking for the Appalachian Mountain Club. He is the founder of the Resilient Design Institute, which works with partners across the world to create solutions that enable buildings and communities to survive and thrive in the face of climate change, natural disasters and other disruptions. Alex is one of the leading luminaries in the world of sustainability and resilience.

**KS2 COF Keynote: Randall Mason**

Randall Mason plays several roles at University of Pennsylvania’s School of Design: Associate Professor of City & Regional Planning; Senior Fellow at PennPraxis; and (until recently, 2009-2017) Chair of the Graduate Program in Historic Preservation. Educated in geography, history and urban planning (PhD, Columbia), his published work includes *The Once and Future New York*. Mason’s professional practice includes projects at many scales, addressing planning, preservation and public space issues, commissioned by organizations including the Getty Conservation Institute, William Penn Foundation, Brookings Institution, the City of Philadelphia, and the National Park Service. He lives in Philadelphia and was a Rome Prize fellow in 2012-13.

**SY1 Symposium-The Next 50 Keynote: Milford Donaldson, FAIA**

Milford Wayne Donaldson has a unique national perspective on the past and future of preservation. He served as the California State Historic Preservation Officer from 2004-2012, and in 2010, Mr. Donaldson was appointed Chairman of the Advisory Council on Historic Preservation by President Barack Obama.

As President of his award-winning firm, Architect Milford Wayne Donaldson, FAIA, Inc. since 1978, Mr. Donaldson specializes in historic preservation services. He is licensed to practice architecture in California, Nevada and Arizona and holds a certified license from the National Council of Architectural Registration Boards. Mr. Donaldson is affiliated with several historical and preservation organizations and is a past president of the California Preservation Foundation and past chair of the State Historical Building Safety Board, the State Historical Resources Commission, the California Missions Foundation and the Historic State Capitol Commission.

Over the last forty years, Mr. Donaldson has established himself as a leader in historic preservation and adaptive reuse of existing structures, with an expertise in sustainability and modern heritage. He rescued one of the few remaining Futuro houses in the world and restored it as his vacation home in the mountains outside of San Diego. In 1991, The California Council of the American Institute of Architects acknowledged Mr. Donaldson for his statewide leadership in the interpretation of the California Historical Building Code that allowed the rehabilitation of historic buildings. The American Institute of Architects inducted Mr. Donaldson into the College of Fellows in 1992.
Pop-Up Event Information
Pop-up events (PT) are being provided as optional activities and are not part of the official APT Conference program. APT is not responsible for events that may cancel, reschedule or are full, and assumes no liability for those wishing to attend these events. See map on next page for off-site locations and/or meeting places.

Saturday, September 22
6:00pm-9:00pm
PT1 Welcome to Buffalo! Bus departures from the Hyatt Lobby to the Central Terminal will begin at 5:30pm. Return transportation will start at 7:30pm. Bus transportation is limited to the first 200 people. Other transportation is available for a fee (taxi, uber).

Monday, September 24
5:00pm-6:30pm
PT2 The Lady and Her Masterpiece. Meet at the Downtown Central Library.

Tuesday, September 25
1:00pm-2:00pm
PT3 Burnham vs Sullivan Meet Northeast corner of Main & Church Streets, just past the M&T Bank Headquarters.

Tuesday, September 25
1:00pm-4:00pm
PT4 Fireboat Tour Depart with a group from the Hyatt lobby to walk over, or walk over directly to the Buffalo River, corner of Michigan Avenue & Ohio Street.

6:00pm-7:00pm
PT5 Buffalo & Its World-Famous Architecture. Meet at Trinity Church. There will be a reception following the lecture provided by Trinity Church.
OFF-SITE EVENT LOCATIONS

1. Hyatt Regency Buffalo
2. Buffalo Niagara Convention Center (BNCC)
3. Embassy Suites Buffalo
4. KS1 Babeville
5. SE2 Pearl Street Grill and Brewery
6. SE5 Guaranty Building
7. PT2 Central Library
8. PT3 Corner of Main and Church
9. PT4 Buffalo River
10. PT5 Trinity Church

Nearby Points of Interest
11. Buffalo City Hall
12. Niagara Square
13. Hotel @ The Lafayette
14. Lafayette Brewing Co.
15. Lafayette Square
16. Visit Buffalo-Niagara
17. Buffalo Transportation
   Pierce Arrow Museum &
   Frank Lloyd Wright Filling Station
18. Ellicott Square Building
### Track 1
Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over

**CS1.1**
Housing, Neighborhoods and Institutions

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Preserving the Kirkbride Legacy: An Analysis of the Extant State of the Plan and Challenges of Adaptive Reuse

**Presenter**
Mardita Murphy

Retaining Historic Neighborhood Schools

**Presenter**
Lesley Gilmore

Philadelphia’s Friends Housing Cooperative - A Model of Inner City Urban Rehabilitation and a New Integrated Urban Public Housing Alternative

**Presenter**
Leila Hamroun-Yazid

Mid-Century Modern Residence as Historic House – The Acme Ceramic Housing Project

**Presenter**
Lori Martin

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### Track 2
Materials over Time: Points of Change

**CS2.1**
Modern Materials

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Case Study of the Restoration of a 41-Story Post-Modern Façade: Material Failures and Advancements

**Presenter**
Lee Fink

Modern Materials: Challenges in the Details

**Presenter**
Deborah Slaton

Rehabilitation of George Fred Keck’s House of Tomorrow from the 1933 World’s Fair: Century of Progress

**Presenter**
Edward Torrez

The Art Deco Terrazzo Fountain at Cincinnati Union Terminal

**Presenter**
Clay Palazzo
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<td><strong>For Power or For Passage: Re-envisioning Historic Industrial and Transportation Infrastructure</strong>&lt;br&gt;CS3.1 Reusing Old Industrial Structures</td>
<td><strong>This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes</strong>&lt;br&gt;CS4.1 Preservation and the Digital Future</td>
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## Track 1
Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over

**CS1.2**
Seismic Studies

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## Track 2
Materials over Time: Points of Change

**CS2.2**
Materials Matter

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### BNCC 101AH
2:45pm-4:15pm

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<td>Conservation of Historic Mechanical Systems - Visual Impact and Functional Demand</td>
<td>Matthew Chalifoux</td>
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<td>Accommodating Seismic Code Requirements within Project Budgets</td>
<td>Adam Rush</td>
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<td>Minimally-disruptive seismic strengthening and adaptive re-use of the Hibernia Bank building</td>
<td>Terrence Paret</td>
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### BNCC 101BG
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<td>Lorraine Schnabel</td>
<td>Conserving Bowing Marble Cladding</td>
<td>David West</td>
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<td>Understanding the Skeleton - The Interior of 19th Century Pegasus Sculptures</td>
<td>Kate Cowing</td>
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<td>Mid-Century Glass Block: The Colored Patterned, and Textured Era</td>
<td>Nicole Frank</td>
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<td>Amazing Glazing or an exploration into the development of architectural glass typologies from inception to present day</td>
<td>John Wilcox</td>
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Track 3
For Power or For Passage: Re-envisioning Historic Industrial and Transportation Infrastructure
CS3.2
Re-using Structures that Have a Very Specific Purpose

Track 4
This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes
CS4.2
Evolution of Best Practices

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**Session Chair**
- Michael Lennon
- Frank Sanchis

**Regenerating the Heart of Rural Ontario: New Life for Old Mills**
Presenter: Carly Farmer

**SS Columbia: Reconnecting Historic Infrastructure**
Presenter: Bob Elliott

**The Wellington Destructor: Repurposing an garbage incinerator**
Presenter: Dima Cook

**Requiem for Welbeck: Re-imagining Multi-story Car Parks**
Presenter: Benjamin Fallows

**New World Preservation in This New World – Quality and Sustainability**
Presenter: Natica Schmeder

**Incorporating Preservation Theory and Treatment Methods into Masonry Craftworker Training**
Presenter: Roy Ingraffia, Jr.

**Gordon Hall - The Structural Investigation of a Marble Clad Facade**
Presenter: Jenna Bresler

**An Alternative Technique for Low-Cost, Non-Destructive Moisture Monitoring in Adobe Walls using Embedded RFID Technology**
Presenter: Evan Oskierko-Jeznacki
### Paper Sessions Tuesday, September 25th 8:30AM - 10:00AM

Papers are listed in the order they will be presented.

<table>
<thead>
<tr>
<th>Track 1</th>
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<tr>
<td><strong>Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over</strong></td>
<td><strong>Materials over Time: Points of Change</strong></td>
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<tr>
<td><strong>CS1.3</strong> Details and Systems</td>
<td><strong>CS2.3</strong> Sustaining Traditional and Non-Traditional Masonry Materials</td>
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<tr>
<th><strong>BNCC 101AH</strong> 8:30am-10:00am</th>
<th><strong>BNCC 101BG</strong> 8:30am-10:00am</th>
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<tr>
<td><strong>Session Chair</strong></td>
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<tr>
<td>Sue Ann Pemberton</td>
<td>Peter Wollenberg</td>
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| **High-performance retrofits of Mid-Century Curtain Wall: A case study analysis of opportunities to enhance thermal performance using low-impact, reversible solutions.** | **Alkali Activated Bricks: Building a Path to a Greener India** |
| Presenter | Presenter |
| Brittany Foley | Michael Laracy |

| **The Importance of and Methodology for Understanding Antiquated Floor Systems and how to Preserve and Adapt them to Modern Uses – Lessons Learned from a Variety of Floor Systems in Washington, DC** | **Battle of the Cements: The Effect of Portland Cement Repairs on Original Natural Cement Mortars** |
| Presenter | Presenter |
| Kenneth Hill | Helen Thomas-Haney |

| **Thin-Stone Veneers: When Performance, Preservation, and Public Safety Are at Odds** | **Evaluating the Deterioration of Historic Cement Stucco Using Traditional Condition Assessment and Digital Analyses** |
| Presenter | Presenter |
| Lurita Blank | Sara Stratte |

| **Unlocking the Technical Mysteries of the Vernacular; Understanding high-performing traditional vernacular building systems and details** | **Finding Paskapoo: A Lesson in Stone Sourcing – Finding a suitable match when the original is no longer an option** |
| Presenter | Presenter |
| Matthew Bronski | Giovanni Diodati |

| **What is Ocala block?** |  |
| Presenter |  |
| Maanvi Chawla |  |
### Track 3
For Power or For Passage: Re-envisioning Historic Industrial and Transportation Infrastructure

**CS3.5**
Places with Many Subsequent Evolutions

<table>
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<tr>
<th>BNCC 106AD 8:30am-10:00am</th>
<th>BNCC 106BC 8:30am-10:00am</th>
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<td>Session Chair</td>
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<tr>
<td>Nancy Rankin</td>
<td>Rick Ortega</td>
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**“A Hundred Devious Turns”: Preserving Puerto Rico Route 15, the old Cayey to Guayama Road**

Presenter
Jorge Ortiz-Colom

**Em)Powering Heritage**

Presenter
Micaela Skoknic Dockendorff

**Taking the New York City through the Challenges of Change**

Presenter
Mary Jablonski

**Transportation systems and modern expectations. A history of the old Tramway of Bogota**

Presenter
David Cohen

### Track 4
This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes

**CS4.3**
Emerging Issues in Building Science

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| High-performance retrofits of Mid-Century Curtain Wall: A case study analysis of opportunities to enhance thermal performance using low-impact, reversible solutions.**

Presenter
Brittany Foley

**Alkali Activated Bricks: Building a Path to a Greener India**

Presenter
Michael Laracy

**“A Hundred Devious Turns”: Preserving Puerto Rico Route 15, the old Cayey to Guayama Road**

Presenter
Jorge Ortiz-Colom

**Baselining historic buildings for energy studies**

Presenter
William Rose

**Combating Condensation at The National Air and Space Museum: Reintroducing Humidification into High-Performance Landmark Enclosures**

Presenter
Richard Renaud

**Integrated Hygrothermal and Energy Modelling Methodologies for Heritage Buildings in Cold Climates**

Presenter
Michael Gutland

**Validation of Computational Analysis of a Historic Farmhouse**

Presenter
Julie Arnold

**What is Ocala block?**

Presenter
Maanvi Chawla
### Paper Sessions Tuesday, September 25th 10:30am – 12:00pm

Papers are listed in the order they will be presented.

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<tr>
<td><strong>CS1.4 Innovative or Unusual Reuse</strong></td>
<td><strong>CS2.4 Masonry Constructions</strong></td>
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<th>BNCC 101AH 10:30am-12:00pm</th>
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<tr>
<td>Session Chair</td>
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<tr>
<td>Jonathan Spodek</td>
<td>Frances Gale</td>
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- **BNCC 101AH 10:30am-12:00pm**
  - **Deconstructing the culture of demolition: Exploring deconstruction as a preservation strategy**
    - Presenter: Tina McCarthy
  - **Phoenix Rising: The Rescue and Reconstruction of the Mercer Building in Omaha’s Old Market Historic District**
    - Presenter: Gary Bowen
  - **Ruin-ophilia: Preserving Cultural Narratives of a Lighthouse through Controlled Ruination**
    - Presenter: Zeynep Ekim
  - **High-Tech / Low-Tech - Synergies in Reconstructing a Seattle Landmark**
    - Presenter: Matt Hamel

- **BNCC 101BG 10:30am-12:00pm**
  - **Conservation of Charles Follen McKim’s unique façade design at Pierpont Morgan’s Library**
    - Presenter: Jennifer Schork
  - **Montreal Customs Building – Two Wings, Two Experiments in Construction**
    - Presenters: Lena Buchinger, Eric Therrien
  - **R.C. Harris Water Treatment Plan Retrofit & Restoration**
    - Presenter: Charles Hazell
  - **Rehabilitation of the Exterior Stone Masonry of Toronto’s Union Station Head House**
    - Presenter: Hassan Saffarini
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<th>Track 3</th>
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<td>This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes</td>
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<tr>
<td>CS3.3 Understanding and Renewing Mechanical and Electrical Heritage</td>
<td>CS4.4 Materials and Methods-Lessons Learned</td>
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**BNCC 106AD 10:30am-12:00pm**

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<tr>
<td>LaLuce Mitchell</td>
<td>Dan Worth</td>
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- **What does it mean to preserve a historic technology? Exploring revitalization, interpretation and adaptation at historic hydropower sites.**
  - Presenter: Katherine Duffield Hill

- **Keeping the Lights On - Issues and Challenges in the Conservation of Australia's Electrical Industrial Heritage**
  - Presenter: MacLaren North

- **Re-visiting and re-using a ‘dark, satanic mill’: the Colt Patent Firearms Factory, Hartford, Connecticut**
  - Presenter: Christopher Tavener

- **A Working Artifact: Case Study of the Restoration of an 1908 Otis-Fensom Manually Operated Elevator**
  - Presenter: Romas Bubelis

**BNCC 106BC 10:30am-12:00pm**

- **Comparative Performance Evaluation of Coatings on Common Albertan Wood Species**
  - Presenter: Hajo Spaethe

- **Good Clean Fun: An Evaluation of the Effect of Various Laser Pulse Durations on the Surface Cleaning of Historic Architectural Terra Cotta**
  - Presenters: Jamie Morris, Rachel Will

- **Lessons in Cathodic Protection Technology from Soldier Field and the Franklin Avenue Bridge**
  - Presenters: Arne Johnson, John Lawler

- **Perry's Victory and International Peace Memorial: Lessons Learned from a Decade of Restoration**
  - Presenter: Ken Itle
## Track 1: Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over

### CS1.5: Real Estate and Development

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<th>HYATT-Grand EFG 8:30am-10:00am</th>
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<tr>
<td>Ronald Staley</td>
<td>Chris Gembinski</td>
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<tr>
<td>Developing a Business Case for Conservation</td>
<td>A Modern-Day Guidebook to Dealing with Terra Cotta Flat Arch Floor Systems</td>
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<td>Presenter</td>
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<tr>
<td>Drew Hauser</td>
<td>Alex Vandenbergh</td>
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<tr>
<td>Last Call at the Cascade Saloon: Stabilizing &amp; Preserving Greensboro’s Iconic Masonry Heritage</td>
<td>Taking an Alternate Approach – Replacing Architectural Terra Cotta</td>
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<td>Presenter</td>
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<tr>
<td>April Larkins</td>
<td>Casey Williams</td>
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<tr>
<td>Revitalizing Downtown Los Angeles’ Underutilized Buildings: Two Case Studies</td>
<td>Detailing in Transition: The Evolution of Architectural Terra Cotta Detailing Then and Now</td>
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<td>Presenter</td>
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<tr>
<td>Justine Leong</td>
<td>Rachel Will</td>
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<tr>
<td>Urban Revitalization in the Midwest: Adaptation of Building Shells into Living Buildings</td>
<td>Edward Gerns</td>
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<td>Jennifer Henriksen</td>
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<td>Cara Soh</td>
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<td><strong>CS3.4</strong></td>
<td><strong>CS4.5</strong></td>
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<td>Evaluating and Preserving Railroad History</td>
<td>Change, Resilience, Sustainability &amp; Reuse</td>
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<tr>
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<tr>
<td>Deborah Slaton</td>
<td>David Fixler</td>
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| Presenter Fraser Brown       | Presenter Allison Arlotta    |

| Holistic approach to a Preservation Project - Traverse chemical injection factory, Izmit, Turkey. | Avoiding Mistakes when Integrating MEP System Upgrades into our Historic Buildings |
| Presenter Manogna Kavuru     | Presenter J. Michael Galway  |

| Los Angeles Union Station: Revitalizing a City's Historic Transit Hub | Elevating Historic Buildings to Prevent Flood Damage |
| Presenter Evanne St. Charles | Presenter Larry Moss         |

| A Railroad, invisible patrimony. Cultural territories in Colombia-South America | Silo City, Buffalo |
| Presenter Claudia Hernandez   | Presenter Miriam Kelly      |
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<td><strong>CS2.6</strong></td>
<td><strong>CS4.6</strong></td>
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<tr>
<td>Arts and Culture</td>
<td>Wood and the Vernacular</td>
<td>Preservation Philosophy-Looking Back and Looking Forward</td>
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<tr>
<td>Elizabeth Corbin Murphy</td>
<td>Dean Koga</td>
<td>Lonnie Hovey</td>
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**Track 1**
- Reclaiming an Abandoned Church for Reuse as an Events Center, Art Gallery and Record Label Offices: Confronting the Reality that They Didn’t Always Build ‘em so Well.
- Presenters: Michael Lennon, Edmund Meade

**Track 2**
- Specifying Wood: Reconciling History, Changing Ecosystems, and the Lumber Industry
- Presenter: Jack Abgott

**Track 4**
- Charleston Contradictions: A Case Study of Historic Preservation Theories and Policies
- Presenter: David Payne

**HYATT-Grand B**
- The Call for Abstinence Restored: The Restoration of the Catholic Total Abstinence Fountain
- Presenter: Marco Federico

**HYATT-Grand EFG**
- Jeffersonian Terras Roof Structures – Modern Interventions
- Presenter: Craig Swift

**HYATT-Regency**
- Preservation versus Conservation: Expanding the Definition
- Presenter: Ilene Tyler

**HYATT-Grand B**
- The Museu Paulista of the University of São Paulo: Recovering a monument-building
- Presenter: Renata Campiotto

**HYATT-Grand EFG**
- Impact of American prefabricated wooden housing in the Dominican Republic (19th-20th century)
- Presenter: Virginia Flores Sasso

**HYATT-Regency**
- Art or Awful: The Preservation and Conservation of Graffiti
- Presenter: Stephanie Hoagland

**HYATT-Grand B**
- Transformations in Brazilian Vernacular Architecture: Southeast Region
- Presenter: Marco Rezende

**HYATT-Grand EFG**
- Reversible Monuments: Historic Environment as Contemporary Medium
- Presenter: Mary Kay Judy
Numerous preservation professionals from Latin America and the Caribbean are able to travel to this year’s Conference thanks to the generous and ongoing support of the Getty Foundation. ¡Bienvenidos!

Angelica Gonzalez Vazquez
Escuela de Ingeniería Municipal
Mexico

David Cohen
Universidad de Los Andes
Colombia

Renata Cima Campiotto
School of Architecture and Urbanism
University of São Paulo
Brazil

Aninat André
Fundación Altiplano
MSV
Chile

Edith Marielene del Carmen Salas Osorio
Sociedad de Mejoras Publicas de Cartagena
Colombia

Samara Irune Mora Aquino
Escuela de Ingeniería Municipal
Mexico

Beatriz Silvia Garzon
FAU-SCAIT, UNT
CONICET
Argentina

Enrique Segovia Molinas
Universidad Autónoma Metropolitana
Xochimilco Campus
Mexico

Velia Nadiezda Beltrán Centurión
Villa del Norte
Peru

Carlos Guillermo Lara Treviño
Universidad Autónoma Metropolitana-Xochimilco
Mexico

Fabiola Margoth Zambrano Figueroa
Museu Paulista da Universidade de São Paulo
Brazil

Virgilio Ayala
Universidad de San Carlos de Guatemala
Guatemala

Claudia Rodriguez
Universidad Michoacana de San Nicolás
de Hidalgo
Mexico

Karine de Arimateia
UFRJ
Brazil

Virginia Flores Sasso
Pontificia Universidad Catolica Madre y Maestra (PUCMM)
Dominican Rep.

Claudia Hernández
ARQ SAS
Colombia

Marco Antônio Penido de Rezende
Universidade Federal de Minas Gerais
Brazil

Zenon Barros
Universidad Santo Tomas
Chile
2018 Student Scholars

The APT Scholarship and Outreach Committee selected the following students to receive an APT Buffalo-Niagara Scholarship, which includes Conference registration, one-year membership to APT, the opportunity to present during a paper session, as well as mentoring from a member of the College of Fellows. Please welcome this year’s Student Scholars!

2018 Martin Weaver Student Scholar Recipient
Maanvi Chawla, CS2.5
University of Florida
Advisor: Morris Hylton
Mentor: Michael Schuller

Allison Arlotta
Columbia University
Advisor: Chris Neville
Mentor: David Hart

Manogna Kavuru
Texas A&M University
Advisor: Priya Jain
Mentor: Pamela Jerome

Ethan Boote
Columbia University
Advisor: Kim Yao
Mentor: Kyle Normandin

Lori Martin
The University of Texas at Austin
Advisor: Fran Gale
Mentor: Hugh Miller

Ashley Danielson
Ball State University
Advisor: Jonathan Spodek
Mentor: Ilene Tyler

Tina McCarthy
Boston Architectural College
Advisor: Curt Lamb
Mentor: Anne Weber

Brittany Foley
Tulane University
Advisor: Laura Blokker
Mentor: Jonathan Spodek

Evan Oskierko-Jeznacki
University of Pennsylvania
Advisor: Frank Matero
Mentor: George Skarmeas

Nicole Frank
The School of the Art Institute of Chicago
Advisor: Anne Sullivan
Mentor: Joan Berkowitz

Micaela Skoknic Dockendorff
Pratt Center for Community Development
Advisor: Vicki Weiner
Mentor: Caroline Alderson

Michael Gutland
Carleton University
Advisor: Mario Santana
Mentor: Marilyn Kaplan

Hajo Spaethe
University of Alberta (Canada) &
University of Freiburg (Germany)
Advisor: John Wolodko
Mentor: Bob Mack

Katherine Hill
The University of Texas at Austin
Advisor: Michael Holleran
Mentor: Deborah Slaton

Sara Stratte
University of Pennsylvania
Advisor: John Hinchman
Mentor: Lonnie Hovey

Individuals and companies that have contributed to the Student Scholar Program are listed on page 9.
2018 Student Engineering Competition Finalists
(in alphabetical order)

Carleton University (Ottawa)
Team: Natalie Smith, Yasmine Okamoto Arshad, Hailey Todd, Kristian Falkjar, Michael Gutland
Advisor: Dr. Jeffrey Erochko

Texas A&M University (Kingsville)
Team: Richard J Rowland, Humberto B Gutierrez, Kaley N Dodd, Maria R Garcia
Advisor: Professor Jim Glusing

University of British Columbia (Okanagan)
Team: Qi Zhang, Sherif Osman, Anas Salem Issa, Maher Al-Hawarneh, Kiana Youssufian Sahzabi
Advisor: Dr. M. Shahria Alam

University of Nebraska-Lincoln (Omaha Campus)
Team: Edward McNamara, Jessica Larsen, Emily Tetschner, Nicholas Swoboda
Advisor: Dr. Sharon Kuska

Willowbank School of Restoration Arts
Team: Sarah Bulman, Tanya Dare, Aly Bousfield, Evan Karl, Evan Leitch, Emmet Chisholm
Advisor: Ms. Nancy Oakley

Student Engineering Program Sponsors
This program was made possible through the countless hours of the Preservation Engineering Technical Committee as well as the following sponsoring companies and individuals. Thank you all!

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Amy Lamb Woods, Joan Berkowitz
APT Western Great Lakes Chapter, Julia Manglitz
Donald Friedman, Michael Lynch
James Maddigan, Sarah Van Domelen
Jerry Berggren, Tim Crowe
VO Events, LLC

Schedule of Events

Sunday, September 23rd
Buffalo-Niagara Convention Center (BNCC) Lobby
6:30pm-9:30pm Students Present Posters and Projects

Monday, September 24th
Buffalo-Niagara Convention Center (BNCC) Lobby
10:00am Official Build Begins

Tuesday, September 25th
Buffalo-Niagara Convention Center (BNCC) Ballroom
7:30am-8:30am Bridge Testing
10:00am-12:30pm Continued Bridge Testing
Buffalo-Niagara Convention Center (BNCC) Room 109
1:00pm-2:30pm Bridge Presentations
3:00pm-7:00pm Student Workshop

Wednesday, September 26th
Hyatt Regency Downtown Ballroom A
10:00am-10:30am Competition Results
Abatron, Inc.  
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Assorestauro, the Italian Association for Architectural, Artistic and Urban Restoration, was established in 2005 as the first Italian association of manufacturers of materials, equipment and technology, suppliers of services and specialized companies to represent the sector of conservation and heritage both in Italy and abroad. This year, the following companies are participating at the Exhibit Hall:
• El.En Electronic Engineering S.p.A
• IBIX Special Cleaning
• IBIX BIOCARE North America
• Fibre Net srl
• Leonardo srl - Thor and Company
• Tosi Impresa srl

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elana.aster@beeck.com; John.Bogert@BeeckMineralPaints.com
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tkinnari@d2bio.com
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Echem Consultants LLC
http://e2chem.com
Echem Consultants LLC (WBE, DBE, & SBE certified) is a material science consultancy whose primary focus is understanding material durability of the built environment. Echem assists engineers, architects, and owners with diagnostics, analysis and repair of existing structures and advice on material selection, design and construction monitoring for new construction.

Eclipse Surface Technologies
http://Eclipseblast.com
The ECO-FLEX product line, designed and engineered by Eclipse Surface Technologies, offers lightweight, low pressure, micro-abrasion and restoration equipment for the world of historic preservation. Our low pressure cleaning process is gentle enough to clean even the most delicate substrates without harm. All ECO-FLEX equipment is Made in the USA.

Edison Coatings, Inc.
(860) 747-2220
http://www.edisoncoatings.com
edisoncoatings@msn.com
Since 1981, Edison Coatings has been developing and manufacturing customized products for stone, masonry and historic concrete restoration: Historic mortar and concrete replication mixes, repair mortars, consolidants, admixtures, water repellents, grouts, adhesives, breathable coatings and Natural Cement. Importers of Roman Cement and NHLs. Degreed chemical engineers provide unparalleled technical support.

EverGreene Architectural Arts
(212) 244-2800
www.evergreene.com
drocosilva@evergreene.com
As the nation’s largest specialty contractor of architectural arts for the last 40 years, our success at EverGreene is a result of our dedication to excellence, profound care of each building’s history and architectural heritage and the commitment to always put quality and craftsmanship at the heart of our work.

G.C. Laser Systems Inc
www.gclasers.com
Our unique patented laser systems are built in the USA and were originally designed for art and architecture conservation to offer unmatched precision, control, and efficiency for cleaning historic surfaces. Our environmentally friendly technology has been specifically designed to safely clean a variety of surfaces without damaging the substrate.

GeoSonics/Vibra-Tech
www.geosonicsvibratech.com
GeoSonics/Vibra-Tech has been providing vibration monitoring and consulting services for over 60 years. We have the tools and expertise to help you manage your construction risk. Our Re:mote Monitoring Technology brings the field to you whether you need vibration, noise, dust, geotechnical or environmental monitoring.

Gladding, McBean
(916) 644-9385
www.gladdingmcbbean.com
jamie.farnham@paccoast.com
Architectural Terra Cotta Manufacturer

Halfen USA
www.halfenusa.com
HALFEN USA is a leading global company in anchoring and reinforcement technology. We offer a vast range of products and solutions for applications in the construction and industrial industries, including a line of “Green” products that eliminate thermal bridging in structures and increase the overall energy efficiency of the building.

Henry Frerk Sons
http://hfsmaterials.com
We provide a full range of masonry restoration products and services, including stone repair mortars, potassium silicate coatings, restoration cleaning chemicals, and lime mortar and plaster. We specialize in custom mortar and aggregate matching, historic concrete repair materials, and specialty concrete.

John Canning & Co., Ltd.
203-272-9868 x307
http://JohnCanningCo.com
marcie@johncanningco.com
John Canning & Co is the leading contractor in architectural finishes for building restoration. Our work with plaster, decorative painting, art conservation, and wood and stone restoration can be seen in some of the country’s most iconic buildings and national landmarks. We emphasize the importance of craftsmanship and authenticity.

KEIM Mineral Coatings
704-588-4811 x204
www.keim-usa.com
Roy.Suttles@keim.com
The inventor of mineral silicate paints, Keim is the worldwide leader in mineral silicate solutions for masonry restoration. Offering a premium level of support, ensuring your projects are flawless, and providing a full line of mineral finishes, stains and repairs for any historic masonry restoration project.
**EXHIBIT HALL MAP**

**LimeWorks.us**
Booth 47
(213) 536-6706
www.limeworks.us
LimeWorks.us is a manufacturer, educator, and mentor in the use of breathable lime mortars, stuccos, plasters, and paints used for historic masonry restoration and sustainable buildings. Our products help process water away from building interiors which extends their service life. LimeWorks.us bridges the gap between architects, engineers, owners, and practitioners.

**Master of Plaster Finishing Systems**
Booth 28
(803) 530-8232
www.masterofplaster.com
dillon.kirstie@gmail.com
From our founding Restoration Plaster used to restore and preserve the most prestigious historic structures - to our Venetian Plasters that create the most stunning interiors - our plasters serve as a palette for the most creative and discerning clients. Come discover our world of natural, historically authentic plaster interiors.

**Pilkington North America**
Booth 7
(419) 247-3994
www.pilkington.com
kyle.sward@nsg.com
A leading global glass manufacturer, the NSG group provides the broadest range of glass products available in the world today. Continuous product innovation ensures development of the most appropriate products for the global marketplace. As a 200-year old company, Pilkington is synonymous with Flat Glass manufacturing excellence and innovation.

**Preservation Trades Network**
Booth 10
http://www.ptn.org
A non-profit founded for education, and outreach in traditional trades. PTN believes that conservation of built environment is dependent on tradespeople of all skills who preserve, maintain and restore architectural heritage. While many members practice full-time, PTN also includes architects, engineers, locals and students.

**Prosocon**
Booth 5
(785) 830-7325
www.prosocon.com
javier.aqui@prosocon.com
PROSOCO is a national manufacturer of cleaners, protective treatments, and consolidation treatments for the sustainable restoration and preservation of historic masonry interiors and exteriors. PROSOCO also makes products to clean and protect new masonry; and keep building envelopes air- and water-tight.

**Pullman SST Inc**
Booth 11
www.pullman-services.com
PULLMAN, a Structural Group company, integrates technology-driven engineered solutions into its industry-leading contracting services. Our capabilities include specialty design-build services for new and existing structures, as well as a wide range of specialty repair and maintenance services.

**Remmers BVBA**
Booth 26
www.remmers.be
Remmers is a worldwide manufacturer of chemical building products for the restoration field, i.a. known for Arte Mundit® (interior cleaning). For exterior cleaning, they now introduce an innovative product called Clean Galena. It not only cleans the surface thoroughly, it not only peels off the dirt but also encapsulates lead.

**Re-View Windows, Inc.**
Booth 4
http://www.reviewwindows.com/
Re-View is a full service historic window company that specializes in everything associated with the window opening including historic wood window manufacturing, wood window restoration, steel window restoration, lead paint abatement, window installation, window finishing, hardware restoration, and insulated glass conversion.
Solstice Stained Glass
www.SolsticeStainedGlass.com
Performing architectural stained glass assessment, restoration, conservation, design, fabrication & installation for owners of fine religious, residential, commercial and institutional buildings. Solstice works collaboratively with architects, contractors and clients to achieve superior long-term project results.

Stained Glass Association of America
Booth 2
http://stainedglass.org
The Stained Glass Association of America is a professional trade association for architectural stained and decorative art glass artists and studios. The SGAA actively works for the betterment of the craft of stained and architectural art glass through programs designed to benefit both members of the SGAA and our clients.

Swiatek Studios Inc
www.swiatekstudios.com
Founded by Henry Swiatek Sr., as H. Swiatek & Son, in 1967. We specialize in restoration, conservation, decorative painting, decorative plaster, statue restoration, and stained glass restoration. We passionately apply our collective knowledge to each project and focus on the design and production of quality artwork.

Thor Helical USA
Booth 6
www.thorhelicalusa.com
Thor Helical-USA was founded by inventors, designers, and pioneers of the original helical wall tie and retrofit masonry reinforcement technologies. THOR is a company that promotes, educates, trains, and sells second generation stainless steel helical bars and ties for new and historic masonry to maintain and restore its structural integrity.

Traditional Cut Stone Ltd
Booth 24
www.traditionalcutstone.com
With the largest number of classically trained stone carvers in North America, we set the standard for heritage masonry restoration and building preservation, using centuries-old stone carving techniques.

Velux America, LLC
www.veluxusa.com
Available to builders, architects, merchants, and consumers, our skylights and roof windows are complemented by a complete range of blinds, electronic accessories, solar panels, and shades.

Void Span
www.voidspan.com
VoidSpan Technologies, LLC was created in 2011 by a team of engineers, scientists, and preservation practitioners to offer unique, dependable and practical solutions to the frontiers of conservation and preservation challenges. VoidSpan holds the only international patents on the Port Anchor, as well as the methods and tying and bonding existing masonry together.
Cathedral Stone Products, Inc.
(410) 782-9150
www.cathedralstone.com
ijung@cathedralstone.com
Manufacture restoration products

Prosoco
(785) 830-7325
www.prosoco.com
javier.aqui@prosoco.com
PROSOCO is a national manufacturer of cleaners, protective treatments, and consolidation treatments for the sustainable restoration and preservation of historic masonry interiors and exteriors. PROSOCO also makes products to clean and protect new masonry; and keep building envelopes air- and water-tight.

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Atlas Preservation Inc
atlaspreservation.com
Atlas Preservation provides consultation, training & conservation services for Monument & Building Restoration. We provide the highest quality conservation, restoration products from around the world. Based on personal hands-on experience in stone installation, restoration and preservation since 1986, our inventory & product selection options are extensive and unique.

KEIM Mineral Coatings
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The inventor of mineral silicate paints, Keim is the worldwide leader in mineral silicate solutions for masonry restoration. Offering a premium level of support, ensuring your projects are flawless, and providing a full line of mineral finishes, stains and repairs for any historic masonry restoration project.

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The Association for Preservation Technology International (APT) is a multi-disciplinary membership organization dedicated to promoting the best technology for conserving/preserving historic structures and their settings. APT provides members opportunities for networking and the exchange of ideas.

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APT members include preservationists, architects, engineers, conservators, consultants, contractors, craftspersons, curators, developers, educators, historians, landscape architects, students, technicians, and other persons directly involved in the application of methods and materials to maintain, conserve, and protect historic structures and sites for future use and appreciation.
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