

APT BUFFALO-NIAGARA 2018

SEPTEMBER 22-27, 2018



POINTS OF
DEPARTURE



AGENDA-AT-A-GLANCE*

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.

Conference Registration and Resource Desk Hours and Locations

Friday, September 21		Tuesday, September 25	
5:00pm-7:00pm	Hyatt Coat Room	7:00am-11:30am	BNCC
Saturday, September 22		1:30pm-6:00pm	Hyatt Coat Room
6:15am-9:00am, 1:00pm-6:00pm	Hyatt Coat Room	Wednesday, September 26	
Sunday, September 23		7:00am-3:15pm	Hyatt Coat Room
6:30am-4:00pm	Hyatt Coat Room	Thursday, September 27	
5:30pm-8:30pm	BNCC	7:00am-12:00pm	Hyatt Coat Room
Monday, September 24			
7:00am-3:00pm	BNCC		
3:30pm-7:00pm	Hyatt Coat Room		

Saturday, September 22

6:15am-8:15am	Workshop Breakfast	Sun Garden
7:00am	WS3 Departure	Hyatt Lobby
8:00am	WS1 & WS2 Departure	Hyatt Lobby
6:00pm-9:00pm	PT1 Welcome to Buffalo!	Off-site, see Page 16

Sunday, September 23

6:15am-8:15am	Field Session & Workshop Breakfast Buffet	Hyatt Grand B
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: see page 17
6:30pm-9:30pm	SE1 Exhibit Gala	BNCC Ballroom
8:00pm-10:00pm	Student Scholar Practice Session	101AH and 106AD

Monday, September 24

7:00am-8:30am	TC-Modern Heritage	Hyatt Ellicott
7:30am-8:30am	Breakfast with Exhibitors	BNCC Ballroom
7:30am-4:15pm	SE9 Student Engineering Competition Build and Poster Display	BNCC Lobby
8:30am-4:30pm	SE3 Exhibit Hall	BNCC Ballroom
8:30am-10:00am	Concurrent Plenary Sessions	See Page 12
10:00am-10:25am	Break	BNCC Ballroom
10:00am	SE9 Student Engineering Bridge Build Begins	BNCC Lobby
10:30am-Noon	Concurrent Paper Sessions	See 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
1:15pm-2:30pm	Annual General Meeting (AGM)	Hyatt Grand Ballroom A

2:45pm-4:15pm	Concurrent Paper Sessions	See Page 20
4:00pm-6:00pm	PETC Meeting	Hyatt Delaware
5:00pm-6:15pm	SE5 Student Scholar Alumni Reception, Guaranty Building**	Off-site, see page 17
5:00pm-6:15pm	Modern Heritage Emerging Professionals Mixer**	Hyatt Ellicott
5:00pm-6:30pm	PT2 The Lady and Her Masterpiece	Off-site see page 16 and 17
5:15pm-6:15pm	SE6 AIA-HRC Reception	Grand Ballroom Foyer
6:30pm-7:00pm	SE7 HABS-Peterson Awards Ceremony	Grand ABC
7:00pm-8:30pm	KS2 COF Keynote and Installation	Grand ABC
8:45pm-11:00pm	SE2 Chapters Mixer, Pearl Street Grille & Bar	Off-site, see page 17

Tuesday, September 25

7:00am-8:00am	TC-Materials Meeting	Hyatt Ellicott
7:00am-8:15am	TC-Sustainable Preservation Meeting	Hyatt Regency BC
7:15am-8:15am	Publications Committee Meeting	Hyatt Delaware
7:00am-8:15am	SE8 Chapters Breakfast Meeting	Hyatt Grand Ballroom A
7:00am-8:30am	TC-Codes	Hyatt Niagara
7:30am-8:15am	Continental Breakfast	BNCC Ballroom
7:30am-8:30am	SE9 Engineering Competition Testing	BNCC Ballroom
7:30am-12:00pm	Demonstration Pavilion	BNCC Ballroom
7:30am-10:30am	Latin American Chapter Posters Display	BNCC Ballroom
8:30am-10:00am	Concurrent Paper Sessions	See Page 22
10:00am-10:25am	Refreshment Break	CC Ballroom
10:30am-12:00pm	Latin American Chapter Roundtable	BNCC108
10:30am-12:00pm	Concurrent Paper Sessions	See Page 24
12:00pm-1:00pm	General Lunch	BNCC Ballroom
12:00pm-1:00pm	TC-Documentation Meeting	Hyatt Ellicott
12:30pm	FS 17 Departure	BNCC
1:00pm-7:00pm	SE9 Student Bridge Presentations and Workshop	109
1:00pm-2:00pm	PT3 Burnham vs Sullivan	Off-site, see page 16 and 17
1:00pm-4:00pm	PT4 Fireboat Tour	Off-site, see page 16 and 17
1:30pm-4:00pm	Latin American Chapter Meeting	Hyatt Regency Ballroom
1:30pm	FS 13, 14, 16, 18, 19, 20 and 21 Departure	Hyatt Lobby
6:00pm-7:00pm	PT5 Buffalo & Its World-Famous Architecture	Off-site, see page 16 and 17
6:30pm-10:00pm	SE10 APT Awards Banquet, Hotel Henry	See page 14

Wednesday, September 26

7:00am-8:15am	Continental Breakfast	Grand A + Grand Ballroom Foyer
7:15am-8:15am	Board of Directors Meeting	Grand C
8:30am-10:00am	Concurrent Paper Sessions	See 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	See Page 28
10:30am-12:00pm	College of Fellows Roundtable	Delaware
1:00pm	SE11A, B, C APT's 50th Departure (lunch on your own) Via Niagara On The Lake, Willowbank or Niagara Falls	Hyatt Lobby
4:00pm	SE11D APT's 50th, Direct Route Departure	Hyatt Lobby

Thursday, September 27

7:30am-8:15am	Breakfast	Hyatt Regency AB
8:30am	FS22 Departure	Hyatt Lobby
8:30am-4:30pm	SY1 Symposium-The Next 50	Grand EFG

** By invitation only



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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)





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3085 Stevenson Drive
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Springfield, IL 62703
www.apti.org

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

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Clint Brown

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Vice-Chair/Terra Cotta Workshop Co-Chair

Nancy Oakley

NDE Workshop/Canada Day

Kristen Olson

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Terra Cotta Workshop

Michael Puma

Field Sessions Committee

Patrick Ravines

Field Sessions Committee

Andrea Rebeck

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Windows Workshop

Mary Roberts

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Bob Wooler

Field Sessions Committee

Sarah Zawadzki

Terra Cotta Workshop

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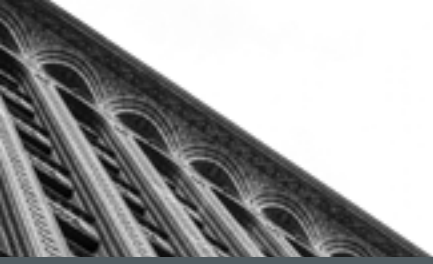
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The APT Buffalo-Niagara Conference is also brought to you by members of these APT Technical and Standing Committees:
 Training and Education Committee • Technical Committee on Modern Heritage
 Technical Committee on Preservation Engineering • Technical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



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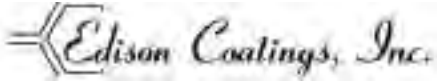
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Have all the information for this year's conference at your fingertips by using our mobile app! You can see a detailed agenda as well as information on speakers, special event locations, exhibitors and sponsors. By logging in and creating a profile, 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 Leeke	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
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5:30pm	PT1 Departure	Hyatt Lobby
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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
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6:15am-8:15am	Field Session & Workshop Breakfast	Hyatt Grand B
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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

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	SE9 Student Engineering Competition Build & Poster Display BNCC Lobby
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 addition 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)

5:00pm-6:30pm

PT2 The Lady and Her Masterpiece See page 16 and 17

Kelly Hayes McAlonie, an architect who is writing the definitive biography on Louise Bethune, the first American woman known to have worked as a professional architect, will share her unique understanding of her life and architecture. Jonathan Morris will discuss the transformation of Hotel Lafayette, Louis Bethune's best-known design, into the luxury apartments and boutique hotel that complements the historic building.

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.

CONFERENCE SCHEDULE

Monday, September 24

6:30pm-7:00pm

SE7 HABS-Peterson Awards Ceremony Grand ABC
Sponsored by

**BEYER
BLINDER
BELLE
50YEARS**

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.

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!

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

12:00pm-1:00pm **TC-Documentation Meeting** Ellicott

12:30 **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 **Latin American Chapter Meeting**
Regency Ballroom



CONFERENCE SCHEDULE

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 Saarins, 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 6:30pm. Returning buses will begin to depart Hotel Henry at 9:00 pm.

Wednesday, September 26

7:00am-3:15pm Conference Registration Coat Room

7:00am-8:15am

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

Wednesday, September 26

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

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

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.



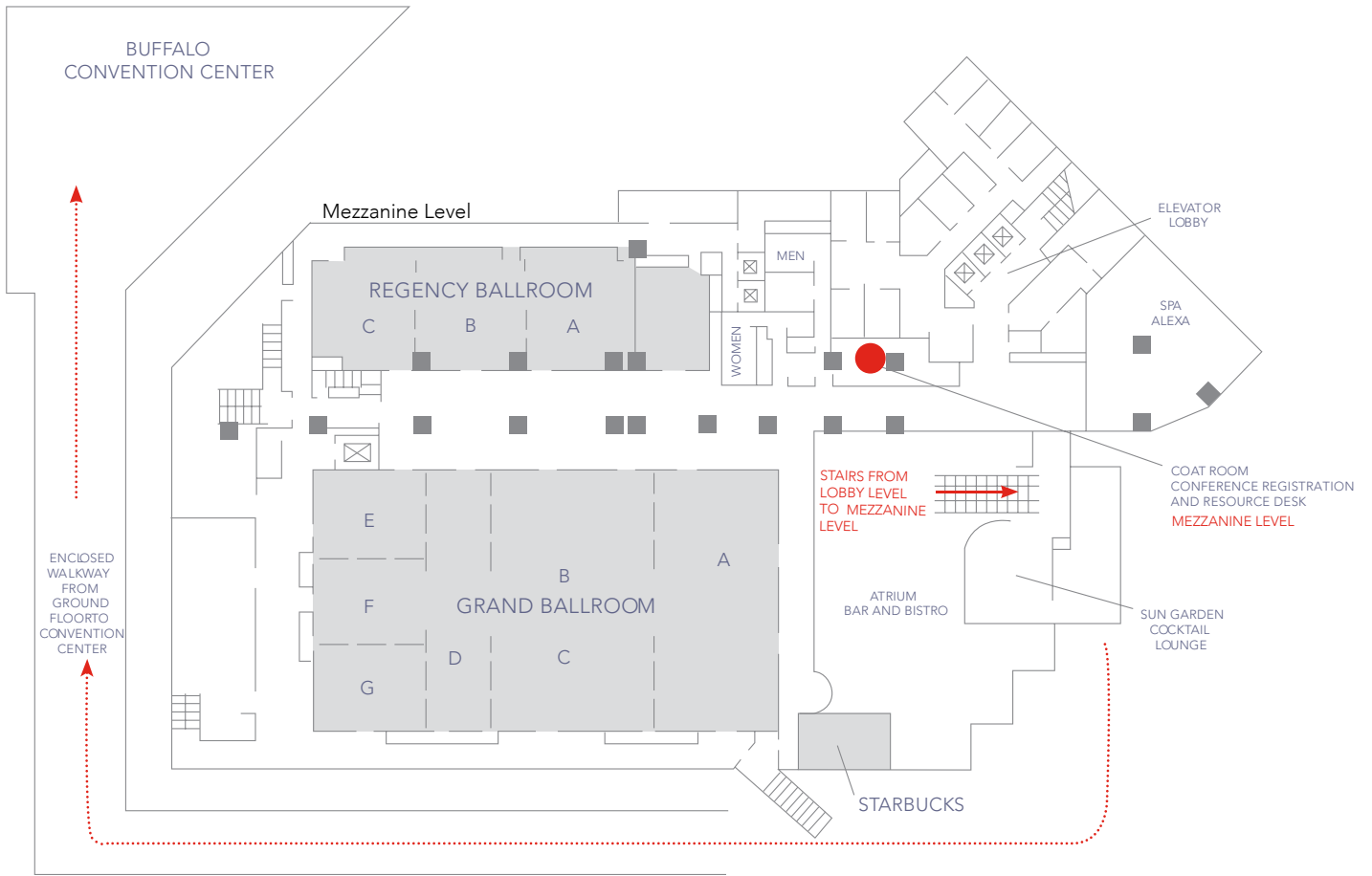
**SY1 Symposium-The Next 50
Keynote: Milford Donaldson, FAIA**

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.

HYATT REGENCY BUFFALO



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
 13. 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

PAPER SESSIONS MONDAY, SEPTEMBER 24TH 10:30AM – 12:00PM

<p>Track 1 Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over</p> <p>CS1.1 Housing, Neighborhoods and Institutions</p>	<p>Track 2 Materials over Time: Points of Change</p> <p>CS2.1 Modern Materials</p>
<p>BNCC 101AH 10:30am-12:00pm</p>	<p>BNCC 101BG 10:30am-12:00pm</p>
<p>Session Chair Tony James</p>	<p>Session Chairs Chris Gembinski Lorraine Schnabel</p>
<p>Preserving the Kirkbride Legacy: An Analysis of the Extant State of the Plan and Challenges of Adaptive Reuse</p> <p>Presenter Mardita Murphy</p>	<p>Case Study of the Restoration of a 41-Story Post-Modern Façade: Material Failures and Advancements</p> <p>Presenter Lee Fink</p>
<p>Retaining Historic Neighborhood Schools</p> <p>Presenter Lesley Gilmore</p>	<p>Modern Materials: Challenges in the Details</p> <p>Presenter Deborah Slaton</p>
<p>Philadelphia's Friends Housing Cooperative - A Model of Inner City Urban Rehabilitation and a New Integrated Urban Public Housing Alternative</p> <p>Presenter Leila Hamroun-Yazid</p>	<p>Rehabilitation of George Fred Keck's House of Tomorrow from the 1933 World's Fair: Century of Progress</p> <p>Presenter Edward Torrez</p>
<p>Mid-Century Modern Residence as Historic House – The Acme Ceramic Housing Project</p> <p>Presenter Lori Martin</p>	<p>The Art Deco Terrazzo Fountain at Cincinnati Union Terminal</p> <p>Presenter Clay Palazzo</p>



<p align="center">Track 3</p> <p align="center">For Power or For Passage: Re-envisioning Historic Industrial and Transportation Infrastructure</p> <p align="center">CS3.1</p> <p align="center">Reusing Old Industrial Structures</p>	<p align="center">Track 4</p> <p align="center">This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes</p> <p align="center">CS4.1</p> <p align="center">Preservation and the Digital Future</p>
<p align="center">BNCC 106AD</p> <p align="center">10:30am-12:00pm</p>	<p align="center">BNCC 106BC</p> <p align="center">10:30am-12:00pm</p>
<p align="center">Session Chair James Banta</p>	<p align="center">Session Chair Elisabeth Bakker Johnson</p>
<p align="center">On the Waterfront: The Structural Rehabilitation and Preservation of Brooklyn's Industrial Coastline</p> <p align="center">Presenter Justin Den Herder</p>	<p align="center">From Practice to Product: Leveraging complex and seemingly disparate data at the Nebraska State Capitol to develop a multi-platform survey application and how it was brought to market</p> <p align="center">Presenter Zach Soflin</p>
<p align="center">The Stones Speak Again: Structural Renovation of the Hoen Lithograph Complex in Baltimore</p> <p align="center">Presenters Rebecca Domingue Nicole Ferran</p>	<p align="center">High-Resolution Photography Condition Survey of the U.S. Custom House Dome, Philadelphia PA</p> <p align="center">Presenters Donna Andrews Battle Brown</p>
<p align="center">Rehabilitation of the Pullman National Monument's Administration Building and Grounds: Industry, Integrity, and Interpretation</p> <p align="center">Presenter Andrea Terry</p>	<p align="center">Metals Inventory and Assessment for the Capitol Grounds, Washington D.C.</p> <p align="center">Presenter Silvia Callegari</p>
<p align="center">Rehabilitating the Industrial South: Reusing the Richmond Locomotive Company</p> <p align="center">Presenter Bryan Green</p>	<p align="center">Preservation Through Digitization: Using Photogrammetry as a Tool for Replicating Building Components</p> <p align="center">Presenter Ashley Danielson</p>

PAPER SESSIONS MONDAY, SEPTEMBER 24TH 2:45PM – 4:15PM

Papers are listed in the order they will be presented.

<p>Track 1 Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over</p> <p>CS1.2 Seismic Studies</p>	<p>Track 2 Materials over Time: Points of Change</p> <p>CS2.2 Materials Matter</p>
<p>BNCC 101AH 2:45pm-4:15pm</p>	<p>BNCC 101BG 2:45pm-4:15pm</p>
<p>Session Chair David Bittermann</p>	<p>Session Chair Lorraine Schnabel</p>
<p>Evaluating the Effect of Local Historic Preservation and Climate Change Action Policy on the Promotion of Operating Energy Efficiency in Historic Buildings</p> <p>Presenter Ethan Boote</p>	<p>Conserving Bowing Marble Cladding</p> <p>Presenter David West</p>
<p>Conservation of Historic Mechanical Systems- Visual Impact and Functional Demand</p> <p>Presenter Matthew Chalifoux</p>	<p>Understanding the Skeleton – The Interior of 19th Century Pegasus Sculptures</p> <p>Presenter Kate Cowing</p>
<p>Accommodating Seismic Code Requirements within Project Budgets</p> <p>Presenter Adam Rush</p>	<p>Mid-Century Glass Block: The Colored Patterned, and Textured Era</p> <p>Presenter Nicole Frank</p>
<p>Minimally-disruptive seismic strengthening and adaptive re-use of the Hibernia Bank building</p> <p>Presenter Terrence Paret</p>	<p>Amazing Glazing or an exploration into the development of architectural glass typologies from inception to present day</p> <p>Presenter John Wilcox</p>



<p>Track 3 For Power or For Passage: Re-envisioning Historic Industrial and Transportation Infrastructure</p> <p>CS3.2 Re-using Structures that Have a Very Specific Purpose</p>	<p>Track 4 This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes</p> <p>CS4.2 Evolution of Best Practices</p>
<p>BNCC 106AD 2:45pm-4:15pm</p>	<p>BNCC 106BC 2:45pm-4:15pm</p>
<p>Session Chair Michael Lennon</p>	<p>Session Chair Frank Sanchis</p>
<p>Regenerating the Heart of Rural Ontario: New Life for Old Mills</p> <p>Presenter Carly Farmer</p>	<p>New World Preservation in This New World – Quality and Sustainability</p> <p>Presenter Natica Schmeder</p>
<p>SS Columbia: Reconnecting Historic Infrastructure</p> <p>Presenter Bob Elliott</p>	<p>Incorporating Preservation Theory and Treatment Methods into Masonry Craftworker Training</p> <p>Presenter Roy Ingraffia, Jr.</p>
<p>The Wellington Destructor: Repurposing an garbage incinerator</p> <p>Presenter Dima Cook</p>	<p>Gordon Hall - The Structural Investigation of a Marble Clad Facade</p> <p>Presenter Jenna Bresler</p>
<p>Requiem for Welbeck: Re-imagining Multi-story Car Parks</p> <p>Presenter Benjamin Fallows</p>	<p>An Alternative Technique for Low-Cost, Non-Destructive Moisture Monitoring in Adobe Walls using Embedded RFID Technology</p> <p>Presenter Evan Oskierko-Jeznacki</p>

PAPER SESSIONS TUESDAY, SEPTEMBER 25TH 8:30AM – 10:00AM

Papers are listed in the order they will be presented.

<p style="text-align: center;">Track 1 Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over</p> <p style="text-align: center;">CS1.3 Details and Systems</p>	<p style="text-align: center;">Track 2 Materials over Time: Points of Change</p> <p style="text-align: center;">CS2.3 Sustaining Traditional and Non-Traditional Masonry Materials</p>
<p>BNCC 101AH 8:30am-10:00am</p>	<p>BNCC 101BG 8:30am-10:00am</p>
<p style="text-align: center;">Session Chair Sue Ann Pemberton</p>	<p style="text-align: center;">Session Chair Peter Wollenberg</p>
<p>High-performance retrofits of Mid-Century Curtain Wall: A case study analysis of opportunities to enhance thermal performance using low-impact, reversible solutions.</p> <p style="text-align: center;">Presenter Brittany Foley</p>	<p>Alkali Activated Bricks: Building a Path to a Greener India</p> <p style="text-align: center;">Presenter Michael Laracy</p>
<p>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</p> <p style="text-align: center;">Presenter Kenneth Hill</p>	<p>Battle of the Cements: The Effect of Portland Cement Repairs on Original Natural Cement Mortars</p> <p style="text-align: center;">Presenter Helen Thomas-Haney</p>
<p>Thin-Stone Veneers: When Performance, Preservation, and Public Safety Are at Odds</p> <p style="text-align: center;">Presenter Lurita Blank</p>	<p>Evaluating the Deterioration of Historic Cement Stucco Using Traditional Condition Assessment and Digital Analyses</p> <p style="text-align: center;">Presenter Sara Stratte</p>
<p>Unlocking the Technical Mysteries of the Vernacular; Understanding high-performing traditional vernacular building systems and details</p> <p style="text-align: center;">Presenter Matthew Bronski</p>	<p>Finding Paskapoo: A Lesson in Stone Sourcing – Finding a suitable match when the original is no longer an option</p> <p style="text-align: center;">Presenter Giovanni Diodati</p>
	<p>What is Ocala block?</p> <p style="text-align: center;">Presenter Maanvi Chawla</p>



<p style="text-align: center;">Track 3 For Power or For Passage: Re-envisioning Historic Industrial and Transportation Infrastructure</p> <p style="text-align: center;">CS3.5 Places with Many Subsequent Evolutions</p>	<p style="text-align: center;">Track 4 This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes</p> <p style="text-align: center;">CS4.3 Emerging Issues in Building Science</p>
<p>BNCC 106AD 8:30am-10:00am</p>	<p>BNCC 106BC 8:30am-10:00am</p>
<p style="text-align: center;">Session Chair Nancy Rankin</p>	<p style="text-align: center;">Session Chair Rick Ortega</p>
<p style="text-align: center;">"A Hundred Devious Turns": Preserving Puerto Rico Route 15, the old Cayey to Guayama Road</p> <p style="text-align: center;">Presenter Jorge Ortiz-Colom</p>	<p style="text-align: center;">Baselining historic buildings for energy studies</p> <p style="text-align: center;">Presenter William Rose</p>
<p style="text-align: center;">Em)Powering Heritage</p> <p style="text-align: center;">Presenter Micaela Skoknic Dockendorff</p>	<p style="text-align: center;">Combating Condensation at The National Air and Space Museum: Reintroducing Humidification into High-Performance Landmark Enclosures</p> <p style="text-align: center;">Presenter Richard Renaud</p>
<p style="text-align: center;">Taking the New York City through the Challenges of Change</p> <p style="text-align: center;">Presenter Mary Jablonski</p>	<p style="text-align: center;">Integrated Hygrothermal and Energy Modelling Methodologies for Heritage Buildings in Cold Climates</p> <p style="text-align: center;">Presenter Michael Gutland</p>
<p style="text-align: center;">Transportation systems and modern expectations. A history of the old Tramway of Bogota</p> <p style="text-align: center;">Presenter David Cohen</p>	<p style="text-align: center;">Validation of Computational Analysis of a Historic Farmhouse</p> <p style="text-align: center;">Presenter Julie Arnold</p>

PAPER SESSIONS TUESDAY, SEPTEMBER 25TH 10:30AM – 12:00PM

Papers are listed in the order they will be presented.

<p style="text-align: center;">Track 1 Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over</p> <p style="text-align: center;">CS1.4 Innovative or Unusual Reuse</p>	<p style="text-align: center;">Track 2 Materials over Time: Points of Change</p> <p style="text-align: center;">CS2.4 Masonry Constructions</p>
<p>BNCC 101AH 10:30am-12:00pm</p>	<p>BNCC 101BG 10:30am-12:00pm</p>
<p style="text-align: center;">Session Chair Jonathan Spodek</p>	<p style="text-align: center;">Session Chair Frances Gale</p>
<p>Deconstructing the culture of demolition: Exploring deconstruction as a preservation strategy</p> <p style="text-align: center;">Presenter Tina McCarthy</p>	<p>Conservation of Charles Follen McKim’s unique façade design at Pierpont Morgan’s Library</p> <p style="text-align: center;">Presenter Jennifer Schork</p>
<p>Phoenix Rising: The Rescue and Reconstruction of the Mercer Building in Omaha's Old Market Historic District</p> <p style="text-align: center;">Presenter Gary Bowen</p>	<p>Montreal Customs Building – Two Wings, Two Experiments in Construction</p> <p style="text-align: center;">Presenters Lena Buchinger Eric Therrien</p>
<p>Ruin-ophilia: Preserving Cultural Narratives of a Lighthouse through Controlled Ruination</p> <p style="text-align: center;">Presenter Zeynep Ekim</p>	<p>R.C. Harris Water Treatment Plan Retrofit & Restoration</p> <p style="text-align: center;">Presenter Charles Hazell</p>
<p>High-Tech / Low-Tech - Synergies in Reconstructing a Seattle Landmark</p> <p style="text-align: center;">Presenter Matt Hamel</p>	<p>Rehabilitation of the Exterior Stone Masonry of Toronto’s Union Station Head House</p> <p style="text-align: center;">Presenter Hassan Saffarini</p>



<p>Track 3 For Power or For Passage: Re-envisioning Historic Industrial and Transportation Infrastructure</p> <p>CS3.3 Understanding and Renewing Mechanical and Electrical Heritage</p>	<p>Track 4 This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes</p> <p>CS4.4 Materials and Methods-Lessons Learned</p>
<p>BNCC 106AD 10:30am-12:00pm</p>	<p>BNCC 106BC 10:30am-12:00pm</p>
<p>Session Chair LaLuce Mitchell</p>	<p>Session Chair Dan Worth</p>
<p>What does it mean to preserve a historic technology? Exploring revitalization, interpretation and adaptation at historic hydropower sites.</p> <p>Presenter Katherine Duffield Hill</p>	<p>Comparative Performance Evaluation of Coatings on Common Albertan Wood Species</p> <p>Presenter Hajo Spaethe</p>
<p>Keeping the Lights On - Issues and Challenges in the Conservation of Australia's Electrical Industrial Heritage</p> <p>Presenter MacLaren North</p>	<p>Good Clean Fun: An Evaluation of the Effect of Various Laser Pulse Durations on the Surface Cleaning of Historic Architectural Terra Cotta</p> <p>Presenters Jamie Morris Rachel Will</p>
<p>Re-visiting and re-using a 'dark, satanic mill': the Colt Patent Firearms Factory, Hartford, Connecticut</p> <p>Presenter Christopher Tavener</p>	<p>Lessons in Cathodic Protection Technology from Soldier Field and the Franklin Avenue Bridge</p> <p>Presenters Arne Johnson John Lawler</p>
<p>A Working Artifact: Case Study of the Restoration of an 1908 Otis-Fensom Manually Operated Elevator</p> <p>Presener Romas Bubelis</p>	<p>Perry's Victory and International Peace Memorial: Lessons Learned from a Decade of Restoration</p> <p>Presenter Ken Itle</p>

PAPER SESSIONS WEDNESDAY, SEPTEMBER 26TH 8:30AM – 10:00AM

Papers are listed in the order they will be presented.

<p style="text-align: center;">Track 1 Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over</p> <p style="text-align: center;">CS1.5 Real Estate and Development</p>	<p style="text-align: center;">Track 2 Materials over Time: Points of Change</p> <p style="text-align: center;">CS2.5 Terra Cotta</p>
<p>HYATT-Grand B 8:30am-10:00am</p>	<p>HYATT-Grand EFG 8:30am-10:00am</p>
<p style="text-align: center;">Session Chair Ronald Staley</p>	<p style="text-align: center;">Session Chair Chris Gembinski</p>
<p style="text-align: center;">Developing a Business Case for Conservation</p> <p style="text-align: center;">Presenter Drew Hauser</p>	<p style="text-align: center;">A Modern-Day Guidebook to Dealing with Terra Cotta Flat Arch Floor Systems</p> <p style="text-align: center;">Presenter Alex Vandenberg</p>
<p style="text-align: center;">Last Call at the Cascade Saloon: Stabilizing & Preserving Greensboro’s Iconic Masonry Heritage</p> <p style="text-align: center;">Presenter April Larkins</p>	<p style="text-align: center;">Taking an Alternate Approach – Replacing Architectural Terra Cotta</p> <p style="text-align: center;">Presenter Casey Williams</p>
<p style="text-align: center;">Revitalizing Downtown Los Angeles’ Underutilized Buildings: Two Case Studies</p> <p style="text-align: center;">Presenter Justine Leong</p>	<p style="text-align: center;">Detailing in Transition: The Evolution of Architectural Terra Cotta Detailing Then and Now</p> <p style="text-align: center;">Presenters Rachel Will Edward Gerns</p>
<p style="text-align: center;">Urban Revitalization in the Midwest: Adaptation of Building Shells into Living Buildings</p> <p style="text-align: center;">Presenters Jennifer Henriksen Cara Soh</p>	



<p style="text-align: center;">Track 3 For Power or For Passage: Re-envisioning Historic Industrial and Transportation Infrastructure</p> <p style="text-align: center;">CS3.4 Evaluating and Preserving Railroad History</p>	<p style="text-align: center;">Track 4 This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes</p> <p style="text-align: center;">CS4.5 Change, Resilience, Sustainability & Reuse</p>
<p>HYATT-Regency 8:30am-10:00am</p>	<p>HYATT-Delaware 8:30am-10:00am</p>
<p style="text-align: center;">Session Chair Deborah Slaton</p>	<p style="text-align: center;">Session Chair David Fixler</p>
<p style="text-align: center;">Community Use of Vacant Rail Buildings Program - Conserving Victoria's Historic Railway Stations and Goods Sheds - A review of an Australian state government program</p> <p style="text-align: center;">Presenter Fraser Brown</p>	<p style="text-align: center;">Heritage and Material Reuse: The Reciprocal Relationship Between Preservation and Waste Reduction</p> <p style="text-align: center;">Presenter Allison Arlotta</p>
<p style="text-align: center;">Holistic approach to a Preservation Project - Traverse chemical injection factory, Izmit, Turkey.</p> <p style="text-align: center;">Presenter Manogna Kavuru</p>	<p style="text-align: center;">Avoiding Mistakes when Integrating MEP System Upgrades into our Historic Buildings</p> <p style="text-align: center;">Presenter J. Michael Galway</p>
<p style="text-align: center;">Los Angeles Union Station: Revitalizing a City's Historic Transit Hub</p> <p style="text-align: center;">Presenter Evanne St. Charles</p>	<p style="text-align: center;">Elevating Historic Buildings to Prevent Flood Damage</p> <p style="text-align: center;">Presenter Larry Moss</p>
<p style="text-align: center;">A Railroad, invisible patrimony. Cultural territories in Colombia-South America</p> <p style="text-align: center;">Presenter Claudia Hernandez</p>	<p style="text-align: center;">Silo City, Buffalo</p> <p style="text-align: center;">Presenter Miriam Kelly</p>

PAPER SESSIONS WEDNESDAY, SEPTEMBER 26TH 10:30AM – 12:00PM

Papers are listed in the order they will be presented.

<p>Track 1 Decline vs. Revival: Tempering the Impulse to Tear Down and Start Over</p> <p>CS1.6 Arts and Culture</p>	<p>Track 2 Materials over Time: Points of Change</p> <p>CS2.6 Wood and the Vernacular</p>	<p>Track 4 This New World: Preservation Technology and Emerging Issues within our Historic Buildings and Built Landscapes</p> <p>CS4.6 Preservation Philosophy-Looking Back and Looking Forward</p>
<p>HYATT-Grand B 10:30am-12:00pm</p>	<p>HYATT-Grand EFG 10:30am-12:00pm</p>	<p>HYATT-Regency 10:30am-12:00pm</p>
<p>Session Chair Elizabeth Corbin Murphy</p>	<p>Session Chair Dean Koga</p>	<p>Session Chair Lonnie Hovey</p>
<p>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.</p> <p>Presenters Michael Lennon Edmund Meade</p>	<p>Specifying Wood: Reconciling History, Changing Ecosystems, and the Lumber Industry</p> <p>Presenter Jack Abgott</p>	<p>Charleston Contradictions: A Case Study of Historic Preservation Theories and Policies</p> <p>Presenter David Payne</p>
<p>The Call for Abstinence Restored: The Restoration of the Catholic Total Abstinence Fountain</p> <p>Presenter Marco Federico</p>	<p>Jeffersonian Terras Roof Structures – Modern Interventions</p> <p>Presenter Craig Swift</p>	<p>Preservation versus Conservation: Expanding the Definition</p> <p>Presenter Ilene Tyler</p>
<p>The Museu Paulista of the University of São Paulo: Recovering a monument-building</p> <p>Presenter Renata Campiotto</p>	<p>Impact of American prefabricated wooden housing in the Dominican Republic (19th-20th century)</p> <p>Presenter Virginia Flores Sasso</p>	<p>Art or Awful: The Preservation and Conservation of Graffiti</p> <p>Presenter Stephanie Hoagland</p>
	<p>Transformations in Brazilian Vernacular Architecture: Southeast Region</p> <p>Presenter Marco Rezende</p>	<p>Reversible Monuments: Historic Environment as Contemporary Medium</p> <p>Presenter Mary Kay Judy</p>

GETTY TRAVEL RECIPIENTS



The Getty Foundation

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!



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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 Youssefian 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

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

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!

GRANITE



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Ms. Susannah J. Rast and Mr. John E. Dumsick

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Erin Fisher

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Amy Lamb Woods

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Julia Manglitz

Michael Lynch

Donald Friedman

Sarah Van Domelen

James Maddigan

Tim Crowe

Jerry Berggren

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**Abatron, Inc.**

(262) 653-2000

www.abatron.com

Abatron is a leading manufacturer of specialty restoration products with deep roots in historic preservation. We offer epoxy repair products for wood, concrete & metal as well as specialty plaster repair materials. Our products have been specified for use on countless historic sites and prominent buildings.

Booth 16

Allied Scientific Pro

(819) 401-1004

lasercleaning.alliedscientificpro.comlpilloud@alliedscientificpro.com

At Allied Scientific Pro (ASP) we are passionate about technologies and we are committed to bring innovative photonic products at the service of people. We believe photonics brings new cleaner, safer, smarter technologies for everyday life. ASP manufactures advanced laser systems and distribute photonics components.

Booth 40

Aperam

Aperam Stainless Services & Solutions Canada Inc.

(289) 313-2002

www.uginox.comingrid.mayr@aperam.com

A manufacturer of stainless steel roofing and façade in a variety of finishes including patina and rolled-on. Our patina finish looks like lead or slate, ideal for historical restorations. Stainless is extremely light, requires minimum maintenance and lasts 100+ years, making it very cost effective. 100% recyclable.

Booth 29

ASSORESTAURO

39 329 4323584

www.assorestauro.org

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 restoration and conservation of 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

Booth 35, 45, 46

Atkinson-Noland & Associates

(303) 444-3620

www.ana-usa.commschuller@ana-usa.com; dmillennor@ana-usa.com

Consulting engineers specializing in nondestructive evaluation and historic preservation.

Booth 3

Atlas Preservation Incatlaspreservation.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.

Booth 8

BEECK Mineral Paintswww.beeckmineralpaints.comelana.aster@beeck.com; John.Bogert@BeeckMineralPaints.com

Mineral Silicate Paints and Coatings for Masonry, Concrete, Stucco, Brick and Plaster. Mineral Paints is a US owned company specializing in high quality affordable mineral silicate paints for historic structures. Over 120 years of experience with historic projects makes BEECK the best solution to help assure a trouble-free project.

Booth 32

Bonstone Materials Corporation

(262) 363-9877

www.bonstone.compklees@bonstone.com

If your application involves re-attaching, anchoring, "Dutchman repairs", crack repair, and patching, we will work with you in preserving as much material as possible. Our unique product offering will enable you to clean your substrate repair when needed.

Booth 12

Boston Valley Terra Cotta

(716) 649-7490

www.bostonvalley.com

Boston Valley Terra Cotta is a manufacturer of architectural terra cotta for restoration of historic facades and high performance building envelopes. Located just south of Buffalo, NY and owned by the Krouse family, Boston Valley continues a pattern of growth from an American manufacturer to a global terra cotta supplier.

Booth 49

Buffalo Architectural Castingwww.buffaloplastering.com

For over 25 years, Buffalo Architectural Casting has been excelling in the production of plaster systems, including architectural sculpture, casting, and historic restoration. We fabricate columns, cornices, domes, architectural and religious sculpture. Our interior and exterior materials replicate terra cotta, limestone, marble, or travertine. We pride ourselves on exquisite craftsmanship.

Booth 42

Cathedral Stone Products, Inc.

(410) 782-9150

www.cathedralstone.comijung@cathedralstone.com

Manufacturer of restoration products

Booth 31

CintecReinforcement Systems Ltdwww.cintec.com

We design and manufacture the world's most innovative engineered structural reinforcement system. For over 25 years, Cintec™ has secured and reinforced historic structures. The patented Cintec™ system is straightforward. The system's ingenuity lies in its versatility. Drawing on experience and testing, our designers can customize it to any specification.

Booth 25

ConserveART LLC

(203) 248-2530

Booth 1

Construction Tie Products (CTP)www.CTPanchors.com

CTP is a national company which produces masonry anchors for restoration and construction of masonry buildings and structures. The product lines address masonry veneer and masonry wall stabilization as well as restraining and supporting stone panels. Anchors are concealed and manufactured in non-corrosive materials.

Booth 37

D/2 Biological Solution, Inc. Booth 39
 (917) 693-7441
www.d2bio.com
tkinnari@d2bio.com
 D/2 Biological Solution is a biodegradable, nontoxic liquid that removes stains from mold, algae, mildew, lichens and air pollutants. It is effective on marble, granite, limestone, brownstone, travertine, masonry, terra cotta, concrete, stucco, wood, and other architectural surfaces including monuments, sculpture and headstones.

Darwen Terra Cotta Limited Booth 15
 (905) 537-8057
www.darwenterracotta.com/
pvh@dtlimited.com
 Darwen Terracotta & Faience with their highly skilled and dedicated team have decades of experience in the terra cotta manufacturing and building construction industry, having worked on both restoration and new build projects on some of the most prestigious and significant buildings in the UK, Europe, Australia and North America.

Echem Consultants LLC Booth 30
<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 Booth 23
<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. Booth 38
 (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 Booth 13
 (212) 244-2800
www.evergreene.com
droccosva@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 Booth 43
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 Booth 20
www.geosonicsvibratech.com
 GeoSonics/Vibra-Tech has been providing vibration monitoring and consulting services for over 60 years. We have the tools and experience to help you manage your construction risk. Our Re:remote Monitoring Technology brings the field to you whether you need vibration, noise, dust, geotechnical or environmental monitoring.

Gladding, McBean Booth 14
 (916) 644-9385
www.gladdingmcbean.com
jamie.farnham@paccoast.com
 Architectural Terra Cotta Manufacturer

Halfen USA Booth 44
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 Booth 19
<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. Booth 27
 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 Booth 18
 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
 (215) 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.

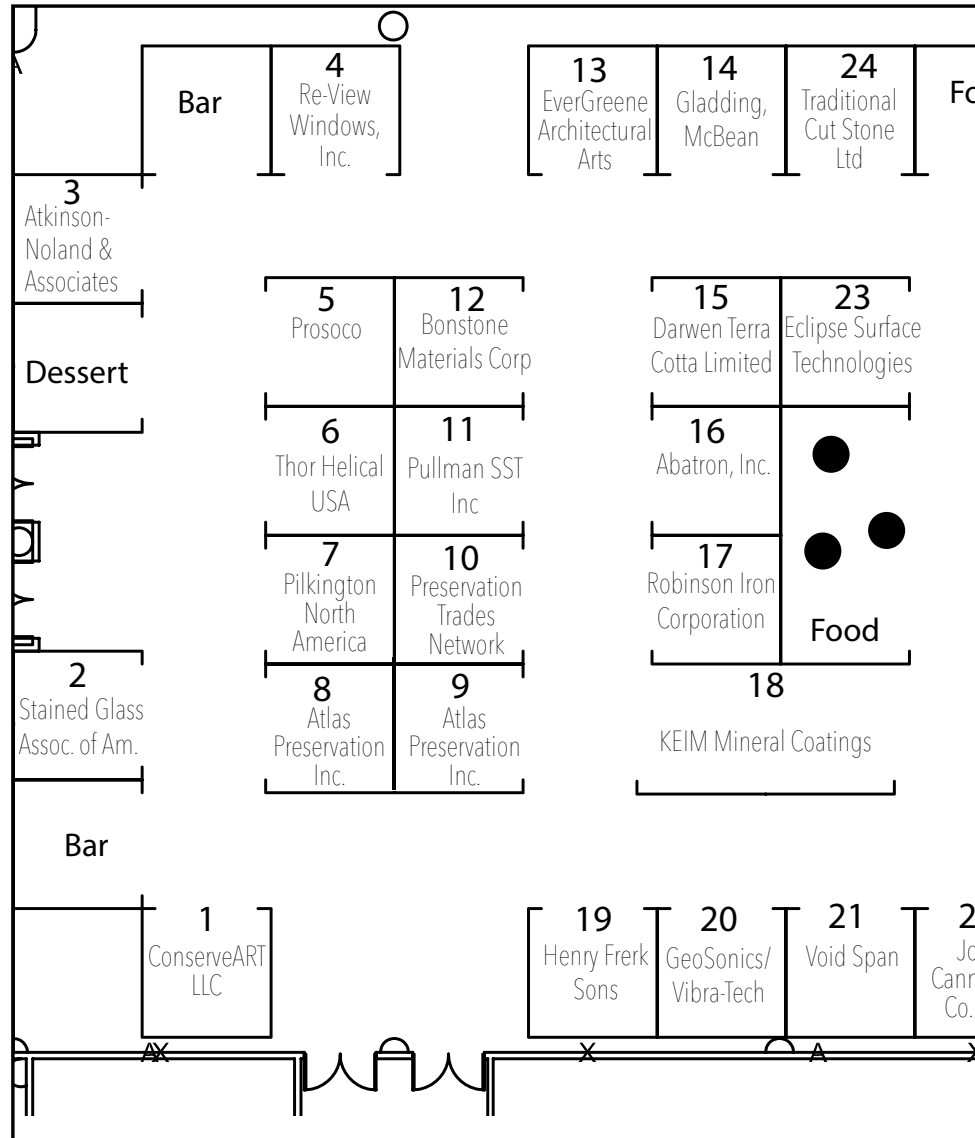
Master of Plaster Finishing Systems Booth 28
 (803) 530-8232
www.masterofplaster.com
dillonkirstie@gmail.com
 From our founding Restoration Plaster used to restore and preserve the most prestigious historic structures - to our Venetian Plasters that create the most stunning interiors - our plasters serve 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.

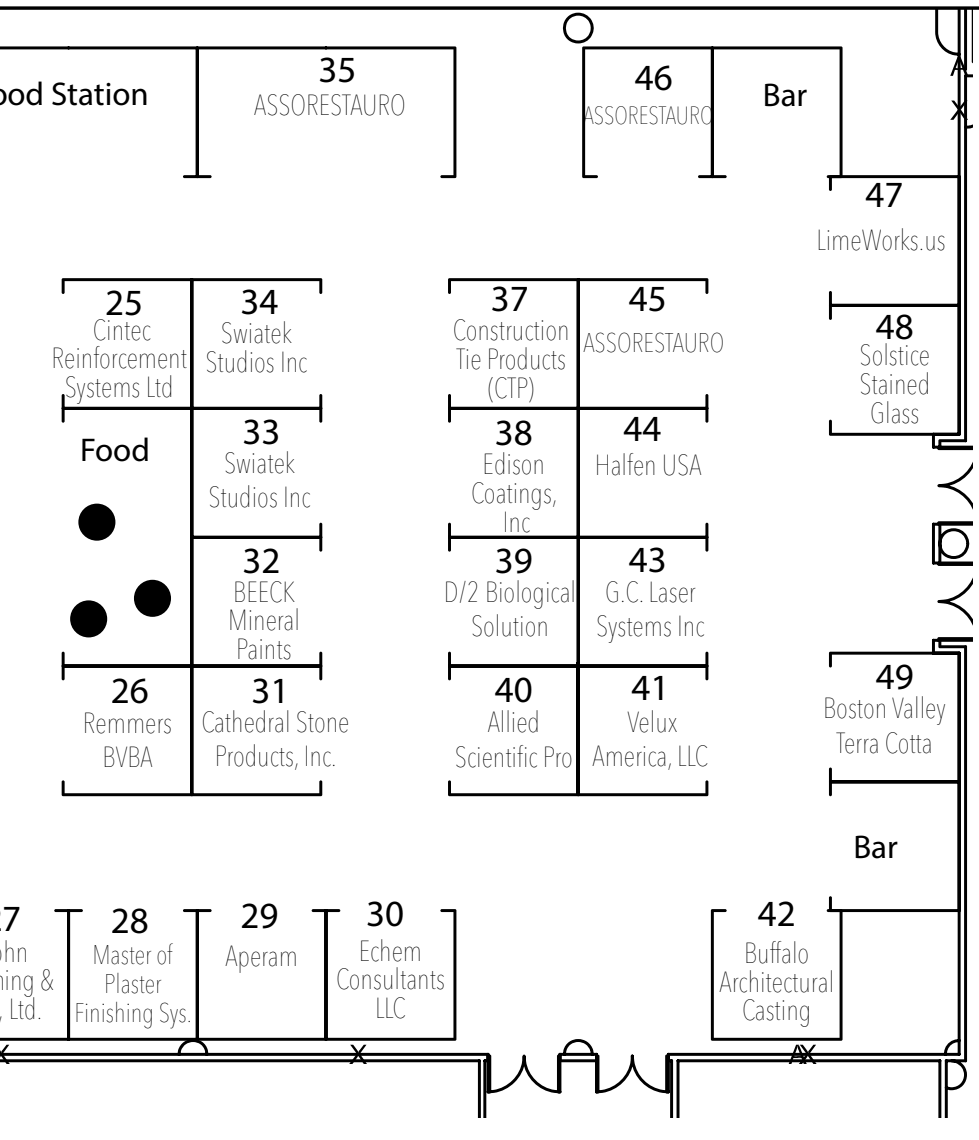
Prosoco Booth 5
 (785) 830-7325
www.prosoco.com
javier.aqui@prosoco.com
 PROSOCO is a national manufacturer of cleaners, protective treatments, and consolidation treatments for the sustainable restoration and preservation of historic masonry interiors and exteriors. PROSOCO also makes products to clean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

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

Booth 48

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

Booth 33

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.

Robinson Iron Corporation

Booth 17

(256) 329-8486

www.robinsoniron.com

scotty@robinsoniron.com

Ornamental Metals Restoration and Fabrication

Sage Restoration Inc.

Booth 34

www.sagerestoration.com

Sage Restoration focuses on traditional and high quality, European finishes, tools, and supplies. As the representative for Allback Linseed Oil Paint in North America, we share a common respect for knowledge of the past, modern production techniques, and environmental consciousness. The future of paint is found in the past. www.sagerestoration.com

Velux America, LLC

Booth 41

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

Booth 21

www.voidspan.com

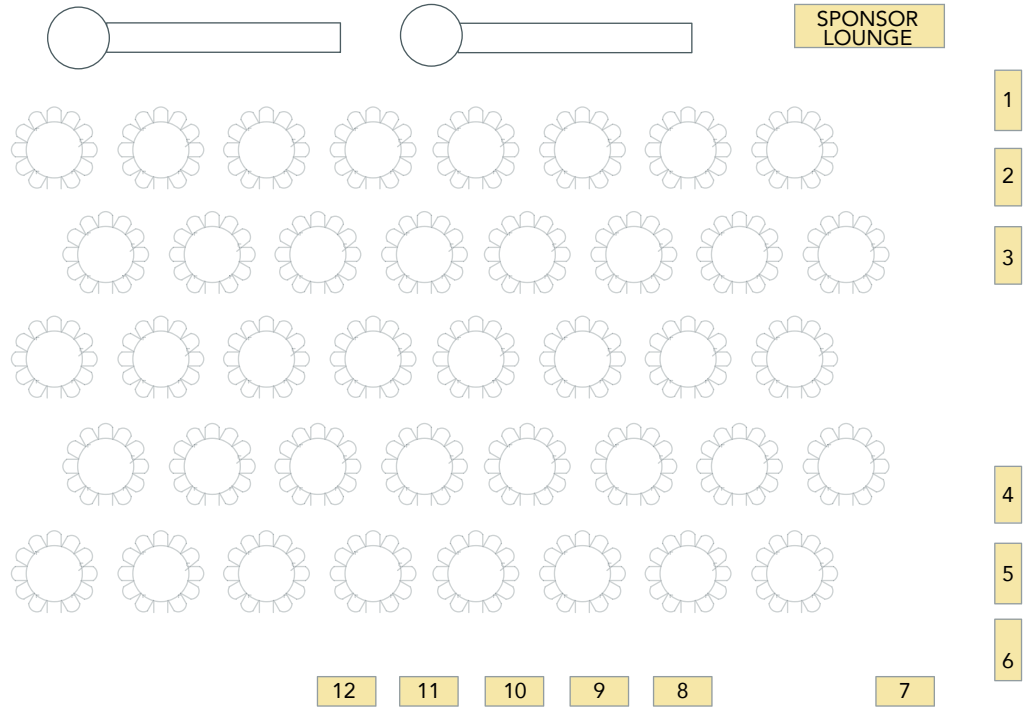
VoidSpan Technologies, LLC was created in 2011 by a team of engineers, scientists, and preservation practitioners to offer unique, dependable and practical solutions to the frontier of conservation and preservation challenges. VoidSpan holds the only international patents on the Port Anchor, as well as the methods and tying and bonding existing masonry together.

PRODUCT PAVILION

SE9 Student Engineering Bridge Competition

Demo Pavilion
 Tuesday, September 25
 7:30am-12:00pm

Table	Company
1	Cathedral Stone
2	Prosoco
3-9	Assorestauro
10	Atlas
11	Keim
12	Edison Coating



Cathedral Stone Products, Inc.
 (410) 782-9150
www.cathedralstone.com
 ijung@cathedralstone.com
 Manufacture restoration products

Table 1

Prosoco
 (785) 830-7325
www.prosoco.com
 javier.aqui@prosoco.com

Table 2

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.

ASSORESTAURO
 39 329 4323584

Tables 3-9

www.assorestauro.org
 The following companies are participating:

- 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

Atlas Preservation Inc
atlaspreservation.com

Table 10

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
 704-588-4811 x204

Table 11

www.keim-usa.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.

Edison Coatings, Inc.
 (860) 747-2220

Table 12

<http://www.edisoncoatings.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 NHL's.



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.



Member Benefits:

- APT Bulletin, the peer-reviewed journal that is the ultimate source for cutting-edge preservation techniques
- *Communiqué*, our quarterly electronic newsletter
- APT annual conferences, held in cities across North America
- Specialized training and education opportunities
- APT Chapters, offering local networking and information
- An international network of leading preservationists
- Discounts on conferences and publications
- Student scholarships
- Listing in and access to APT online membership directory
- Online access to past issues of the *Bulletin* via JSTOR, a digital archive that enables APT members to search, browse, download, and print full-text PDF versions of articles

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.



APTI.ORG



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