

Association for Preservation  
Technology International

*October 11-16, 2011  
The Fairmont Empress  
Victoria Conference Centre*



Heritage on the Edge



**Program Book**

*APT Victoria 2011*

# *We're Glad You're Here!*

As a Conference attendee you are experiencing APT's premier annual event for education and networking. We hope you'll plan your schedule so you can participate annually:

## **APT Charleston 2012**

Francis Marion Hotel  
September 29–October 4, 2012  
Charleston, South Carolina, USA

## **APT NYC 2013**

New York Marriott Marquis  
October 12–15, 2013  
New York City

# *What You Should Know About This Conference*

## **Parallel Conference**

The **14<sup>th</sup> International Conference of National Trusts (ICNT)** is also meeting at the Victoria Conference Centre. All APT full Conference registrants (blue stripe on badge) are invited to attend the ICNT paper and keynote sessions at no additional charge. You are also invited to purchase tickets to ICNT field sessions (based on availability). The ICNT registration desk is located on Level Two of the Centre.

## **Opening Gala**

This Wednesday evening event includes the only time you can meet with the exhibitors in their booths. Chat with them and make an appointment for an in-depth conversation later during the Conference.

## **Name Badges**

Name badges include a colored stripe to identify your registrant type and the Conference benefits to which you are entitled:

<b>Full Conference Registrant</b>	<b>blue</b>	<i>all events from the Opening Gala (Wed evening) through Friday afternoon sessions; some events require you to purchase tickets</i>
<b>Exhibitor</b>	<b>red</b>	<i>the Opening Gala and Breakfast for Exhibitors</i>
<b>Guest</b>	<b>yellow</b>	<i>the Opening Gala and morning coffee; may purchase special events and field session tickets</i>
<b>Symposium or Workshop only</b>	<b>green</b>	<i>the activities offered during the two days of the event</i>
<b>Single Day only</b>	<b>orange</b>	<i>paper and keynote sessions offered on that day</i>

Also featured will be dinner (check out all the food stations), beverages (locally-brewed beers), demonstrations by crafts-persons and activities for your enjoyment while socializing.

## **Event Locations**

The Victoria Conference Centre is the headquarters for the APT Registration and Information Area and most Conference events. Events located in The Fairmont Empress are listed as "Empress–room name."

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## *APT Victoria 2011 Local Conference Committee*

### **Conference Chair**

Lorne Simpson, FAPT, Simpson Roberts  
Architecture

### **Conference Special Advisors**

Alastair Kerr, MA, former BC Heritage  
Branch

Natalie Bull, FAPT, Heritage Canada  
Foundation

### **Program Committee**

Chair—Janet Gourlay-Vallance, MAAA,  
Heritage Conservation Directorate-  
Public Works and Government Services  
Canada

Coordinator, Materials and Structure—  
Myles McDevitt, PEng, CCCA, Heritage  
Conservation Directorate-Public Works  
and Government Services Canada

Coordinator, Landscapes—Hugh Miller,  
FAIA, Goucher College

Coordinator, Sustainability—Susan Ross,  
Heritage Conservation Directorate-  
Public Works and Government Services  
Canada

Abstract Reviewers—  
Susan Buggy, Landscape and History  
Tim Crowe, Wiss, Janney, Elstner Associ-  
ates, Inc.

Carl Elefante, Quinn Evans Architects  
Andrés Gaviria, Universidad Javeriana  
Jill Gotthelf, Walter Sedovic Architects  
Janet Gourlay-Vallance, Public Works and  
Government Services Canada  
Chris Gray, GBG Inc.

Bill Hockey, Architectural Conservation  
Services

Lonnie Hovey, Vitetta

Tom Jester, Quinn Evans Architects

Marilyn Kaplan, Preservation Architecture  
Rosa Lowinger, Rosa Lowinger & Associ-  
ates

Myles McDevitt, Heritag Conservation  
Directorate-Public Works and Govern-  
ment Services Canada

Hugh Miller, Goucher College

Kyle Normandin, Wiss, Janney, Elstner  
Associates Inc.

Susan Ross, Heritage Conservation  
Directorate-Public Works and Govern-  
ment Services Canada

Mark Thompson Brandt, MTBA Mark  
Thompson Brandt Architect & Associ-  
ates

Diana Waite, Editor, APT Bulletin

### **Workshops**

Chair—John Dam, PEng., CAHP, LEED AP  
Coordinator, Landscapes—Brenda Weath-  
erston, University of Victoria

Coordinator, Masonry—Keith Blades,  
M.A., Keith Blades Consulting, Almonte,  
ON Canada

Coordinator, Timber—Gordon Macdonald,  
Macdonald & Lawrence Timber Framing  
Ltd.

### **Symposium**

APT Technical Committee on Sustainable  
Preservation

# *APT Victoria 2011 Local Conference Committee*

(continued)

## **Field Sessions**

Chair—Steve Barber, City of Victoria  
Coordinators—  
Kris Andersen, Provincial Capital Commission  
Helen Cain, City of Victoria  
Catherine Umland, Victoria Civic Heritage Trust  
Richard Linzey, UKRA, British Columbia Heritage Branch  
Harold Kalman, writer and teacher  
Donald Luxton, Donald Luxton & Associates Inc.  
Richard Collier, Conservation Consultant  
Cheryl Cooper, Arts Consultant, Architectural Historian and Heritage Advocate  
APT Technical Committee on Modern Heritage

## **Special Events**

Chair—Pat Buchik, Heritage Conservation Directorate-Public Works and Government Services Canada  
Member—Martin Segger, M.Phil., F.R.S.A., University of Victoria

## **Fundraising**

Lorne Simpson, Simpson Roberts Architecture  
Eric Pattison, MAIBC, Eric Pattison Architect  
Karen Russell, University of British Columbia  
Ken Johnson, Simpson Roberts Architecture  
Rocco Romero, AIA, Wiss, Janney, Elstner Associates Inc.  
Terry Almond, AAA, Heritage Conservation Directorate-Public Works and Government Services Canada  
Kyle Normandin, Wiss, Janney, Elstner Associates, Inc.  
Joan Berkowitz, SUPERSTRUCTURES ENGINEERS + ARCHITECTS  
Nancy McCoy, Quimby McCoy Preservation Architecture, LLP

## **Student Scholarships and Outreach**

Co-Chair—Lesley Gilmore, CTA Architects Engineers  
Co-Chair—Pat Buchik, Heritage Conservation Directorate-Public Works and Government Services Canada  
Student Abstract Reviewers—  
Martin Segger, University of Victoria  
Tim Crowe, Wiss, Janney, Elstner Associates, Inc.  
Don Friedman, Old Structures Engineering  
Steve Kelley, Wiss, Janney, Elstner Associates, Inc.  
Lurita McIntosh Blank, Walter P Moore and Associates  
Mike Schuller, Atkinson-Noland & Associates  
Derek Trelstad, Robert Silman Associates  
Robert Young, University of Utah College of Architecture + Planning

## **The Getty Foundation Travel Support Fund Jurors**

Rosa Lowinger, Rosa Lowinger & Associates  
Gretchen Pfaehler, Michael Baker, Jr., Inc.  
Yolita E. Rausche, Rausche Historic Preservation, LLC  
George Jaramillo, Yosemite National Park

## **APT Conferences Committee**

Co-Chair—Gretchen Pfaehler, Michael Baker, Jr., Inc.  
Co-Chair—Giovanni Diodati, Fournier Gersovitz Moss Drolet et associés architectes

## Going Green

APT has made choices that reduce the environmental impact of this Conference. Please do your part to support APT's efforts, including returning your name badge holder for future use. Drop it in the box at the APT Registration and Information Area.

In an attempt to reduce paper distributed on site, you will find Conference information available for download at the APT Cyber Café and on line at [www.aptconference.org](http://www.aptconference.org).

## APT Student Scholarships Auction

Dessert Auction— at Awards Banquet (page 22)  
Live Auction—at Awards Banquet (page 22)



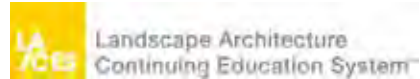
## Transportation

We will use a combination of walking, water taxis and charter buses to reach off-site venues. Ambassadors will be available to direct you or accompany groups to each venue. If you are unable to walk, please inform the APT Registration and Information Desk.

## Continuing Education Credits

APT is an approved provider for the following professional continuing education credits. Participation (CE) forms are available for each discipline in the APT Registration and Information Area. Each form lists the sessions and the number of units that are approved for CE credit by the sponsoring organization for the workshops, field sessions, keynote sessions and paper sessions.

American Institute of Architects  
Learning Units (AIA LUs)  
RCEP professional development hours  
(RCEP PDHs)  
Ontario Association of Architects  
CORE learning hours (OAA CORE)  
American Society of Landscape Architects  
(LA CES)



## Book Drive for Cuban Preservationists

Drop off your book donations in the bin in the APT Registration and Information Area. Donations that are approved by the Cubans authorities will be donated to the Library of the University College St. Jerome de La Habana.





# Conference Schedule

All events are at the Victoria Conference Centre unless otherwise noted.

## Monday, October 10

3:00–6:00 pm  
*Level One Lobby*

**APT Registration and Information Desk**

## Tuesday, October 11

7:30 am–8:00 pm  
*Level One Lobby*

**APT Registration and Information Desk**

8:30 am–4:30 pm  
*Salon C*

**Victoria Sustainability Symposium [SY1]**

**Ticket:** Required

**Format:** Lecture and Panel Discussion

**Food:** Continental breakfast and lunch

**Dress Code:** Casual

### Facilitators

APT Technical Committee on Sustainable Preservation (TCSP)

chaired by Lisa Howe, Goody Clancy, Boston, MA USA

Roger Curtis, Msc, FSA, Historic Scotland, Edinburgh, Scotland UK

Ralph DiNola, LEED AP BD+C, O+M, Green Building Services,  
Portland, OR USA

John Diodati, Fournier Gersovitz Moss Drolet et associés  
architectes, Montréal, QC Canada

Patrice Frey, National Trust for Historic Preservation | Preservation  
Green Lab, Chicago, IL USA

Susan Roaf, FRSA, Heriot-Watt University, School of the Built Envi-  
ronment, Edinburgh, Scotland UK

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National Center for Preservation Technology  
and Training (NCPTT)**



5:00–6:00 pm  
*Level One Lobby*

**APT Conferences Committee Meeting**

Evening

**On Your Own**

## Wednesday, October 12

7:30 am–8:00 pm  
*Level One Lobby*

**APT Registration and Information Desk**

8:00 am–4:00 pm  
*Empress—The Library*

**APT Board of Directors Meeting**

## Wednesday, October 12 (continued)

8:30 am–4:30 pm  
*Salon C*

### **Victoria Sustainability Symposium, Day 2 [SY1]**

**Ticket:** Required

**Format:** Lecture and Panel Discussion

**Food:** Continental breakfast and lunch

**Dress Code:** Casual

1:15–5:00 pm  
*Sidney*

### **Canada Association of Heritage Professionals (CAHP) Annual General Meeting and Keynote Speaker**

3:00–4:30 pm  
*Empress Main Lobby*

### **John Adams Walking Tour: Victoria History 101**

**Ticket:** Purchase ticket at door (\$13 CAD or USD)

**Format:** Guided tour

**Food:** None; take your own bottled water

**Dress Code:** Casual

**Transportation:** Walk

Veteran Victoria tour guide John Adams will guide you through Victoria's Chinatown, the oldest in Canada (1858) and until 1902 the biggest. He will explain why the Chinese came to the city and what they did as well as point out the buildings they created that form the Chinatown National Historic Site. Famous locations, such as Fan Tan Alley and the country's oldest functioning Chinese temple are included.

3:30–5:30 pm  
*Empress—Balmoral  
Room*

### **APT College of Fellows Business Meeting**

4:45 pm  
*Totem Prefunction Area*

### **Student Scholars and Mentors Gathering**

4:45 pm  
*Outside Saanich Room*

### **Getty Bursary Recipients Gathering**

5:00–10:00 pm  
*Crystal Garden*

### **Opening Gala**

**Ticket:** Required

**Food:** Reception and Full Dinner

**Dress Code:** Casual

Debuted to rave reviews in Denver, the Opening Gala will kick off the APT Conference. All evening you can have fun in the Exhibit Hall while networking (APT's favorite pastime!), viewing hands-on demos, wandering between the marvelous food stations, and seeing what our suppliers have in store for us this year. Surprises await you throughout the evening; you'll want to stick around.

## Wednesday, October 12 (continued)

7:30–10:00 pm  
*Odd Fellows Hall*

### **CAHP Tour and CAHP | ACECP Heritage Awards Ceremony**

**Ticket:** Required

**Food:** Dessert

**Dress Code:** Casual

A tour of Odd Fellows Hall will begin the evening, which will conclude with a dessert reception and the Awards Ceremony that recognizes excellent work and promotes a better understanding and appreciation of Canada's cultural heritage.

## Thursday, October 13

6:30 am–7:30 pm  
*Level One Lobby*

### **APT Registration and Information Desk**

7:00–8:00 am  
*Empress—Kiplings*

### **Breakfast with Exhibitors**

**Ticket:** Required

**Food:** Full Breakfast

**Dress Code:** Casual

Following last night's Opening Gala, enjoy a relaxed breakfast with an opportunity to visit in small groups with your favorite exhibitors.

8:00–10:15 am  
*Level One Lobby*

### **Coffee Break**

8:45–10:00 am  
*Lecture Theatre*

### **Opening Session and Keynote Speaker**

**Ticket:** None required

**Format:** Lecture

**Dress Code:** Casual

**Notes:** This session will be simultaneously interpreted English > Spanish



### ***Integrating Sustainability Principles into Mainstream Development***

Mark Holland's consulting work focuses on integrating sustainability principles into the mainstream development industry, with an eye to developing competitive advantage for his clients and their projects. He frequently works closely with development teams to find cost-effective ways of developing in a more sustainable manner, including projects from small infill to large-scale master-planned communities, in both the rural and urban context.

### **Paper Sessions**

All paper sessions will be simultaneously interpreted English <> Spanish.



## Thursday, October 13 (continued)

10:15 am-Noon  
Saenich

### **Sustainable Conservation: Symposium Report and Building Case Studies—[CS01]**

**Track:** Sustainability

**Session Chair:** Tina Roach, AIA, LEED AP Associate, Silver Spring, MD USA

#### ***Calgary Public Building (designed 1919, constructed 1929-31) Restoration (2008-11)***

Mark Chambers, AAA, MAIBC, MRAIC, Mark W. Chambers Architect Ltd., Calgary, AB Canada

#### ***Environmental and Structural Stabilization of the Antelope Valley Indian Museum***

John Lesak, AIA, LEED AP, FAPT, Page & Turnbull, Los Angeles, CA USA

#### ***Seattle Fire Station 17 Sustainable Renovation and Addition: Moderne to Modern***

Don Brubeck, AIA, LEED AP, Bassetti Architects, Seattle, WA USA

#### ***Report from the Victoria Sustainability Symposium***

Lisa Howe, LEED, Goody Clancy, Boston, MA USA

10:15 am-Noon  
Oak Bay

### **Cultural Landscape as Community Heritage—[CS02]**

**Track:** Cultural Landscapes and Communities

**Session Chair:** Ilene Tyler, FAIA, FAPT, LEED AP, Ann Arbor, MI USA

#### ***Vancouver's Modern Cultural Landscapes***

Cheryl Cooper, Arts Consultant & Architectural Historian, Vancouver, BC Canada

#### ***Communities Created by Heritage Scotland***

Krystyna Pytasz, Addison Conservation + Design, Roslin UK

#### ***Cultural Landscapes in Michoacan, Mexico***

Claudia Rodríguez, PhD, Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Michoacán Mexico

#### ***Cultural Landscape Characterization: Newfoundland and Labrador***

Robert Buckle, BA, MEdes(Planning), ACP, MCIP, Heritage Collaborative Inc., Edmonton, AB Canada and Eryn Buckle B.A. BEd., Heritage Collaborative Inc., Canmore, AB Canada

10:15 am-Noon  
Lecture Theatre

### **Conserving Maritime Structures—[CS03]**

**Track:** Buildings, Structures and Vessels

**Session Chair:** Ellyn Goldkind, RA, Pearl Harbor, HI USA

#### ***Washington State Maritime Resources Survey***

Spencer Howard, MS, and Michael Sullivan, MS, Artifacts Consulting, Inc., Tacoma, WA USA

## Thursday, October 13 (continued)

### ***The Shipwreck Graveyard of Mallows Bay: Exploring the Challenges and Benefits of Preserving Rare Maritime Antiquities***

Caitlin Chamberlain, M.F.A. Candidate, Historic Preservation, Savannah College of Art and Design, Savannah, GA USA

### ***What Would Ed and Don Do?: Revitalization of the Eddon Boatyard in Gig Harbor, Washington***

Laura Lenss, SHKS Architects, Seattle, WA USA

### ***Navigating History: Investigation, Stabilization and Repair of America's Historic Canals and Ferry Structures***

Edmund Meade, PE, APTNE President of the Board, Robert Silman Associates, New York, NY USA and John Dumsick, PE, Robert Silman Associates, Structural Engineers, Washington, DC USA

### **Materials Reacting to Water—[CS04]**

**Track:** Materials

**Session Chair:** Bill Hockey, BArch, MEDS(conservation), Boutilliers Point, NS Canada

### ***The Weathering of Conservation Mortars, and Implications for Historic Preservation***

Kara Dotter, FGS, Queen's University Belfast, Belfast, Co. Antrim, UK

### ***Retaining Our Heritage: The Art and Science of Historic Boundary Wall Construction, Investigation, Stabilization and Repair***

James Shepherd, AIA, and Nicole Ferran, PE, Robert Silman Associates, Washington, DC USA

### ***Learning from Venturi: Brick Curtain Wall Deterioration and Repair***

Janet Null, RA, Argus Architecture & Preservation, P.C., Troy, NY USA and Edmund Meade, PE, APTNE President of the Board, Robert Silman Associates, New York, NY USA

### ***Wood and Water***

Ron Anthony, Wood Scientist, and Kim Dugan, Wood Specialist, Anthony & Associates, Inc., Fort Collins, CO USA

### ***Cast Iron Plate Lighthouses in the United States (1844-1926)***

Lori Aument, LEED AP, and Michael Falstad AIA, LEED AP, John Milner Associates, Inc., Philadelphia, PA USA

### **Canadian Association of Heritage Professionals (CAHP) Information Session**

Learn about CAHP members, its membership levels and benefits of joining the association.

10:15 am-Noon  
*Esquimalt*

12:30–1:15 pm  
*Sidney*

## Thursday, October 13 (continued)

12:15–1:00 pm  
Empress—  
Crystal Ballroom

### Lunch and Student Scholar Recognition

**Ticket:** Required

**Food:** Full Lunch

**Dress Code:** Casual

Meet this year's Student Scholars and welcome them to APT.

1:00–1:30 pm  
Empress—  
Crystal Ballroom

### APT Annual General Meeting

**Ticket:** None required

### Paper Sessions

1:45–3:15 pm  
Oak Bay

### Connecting New Uses to Sustainable Ideas from the Past—[CS05]

**Track:** Sustainability

**Session Chair:** Susan Ross, Heritage Conservation Directorate, Gatineau, QC Canada

#### *Proyecto de Hostal para la “Casa del Obispo”. Diseño bioclimático y Fuentes de Energía Renovables*

Danisley Pérez Bravo, Ciudad Habana, Habana Cuba

#### *‘Therapeutic Design’ Rediscovered*

Priya Jain, LEED AP, and Lisa Howe, LEED, Goody Clancy, Boston, MA USA

#### *Sustainable Preservation—Repurposing a Historic Building to Fully Integrate Preservation Requirements with Deep Sustainability Goals*

Cynthia Hughes Doyle, LEED AP, Davis Langdon, Santa Monica, CA USA and Brad Smith, AIA, California Institute of Technology, Pasadena, CA USA

1:45–3:15 pm  
Esquimalt

### People, Techniques and Technology for Preserving Landscape Features—[CS06]

**Track:** Cultural Landscapes and Communities

**Session Chair:** Robert Melnick, FASLA, Eugene, OR USA

#### *The Ancient Roman Belvedere: Distant Views of the Intangible Cultural Landscape*

Phyllis Henderson, AAIA, LEED AP, University of Florida, Gainesville, FL USA

#### *Historic Orchard Preservation: Applying Grafting and other Horticultural Techniques to Stabilize Significant Fruit Trees and Maintain Orchard Viability*

Keith Park, BS, MA, National Park Service, Martinez, CA USA

#### *Conservation of the Hollow Tree in Vancouver*

Harold Kalman, PhD, LLD, CAHP, HKICON, Commonwealth Historic Resource Management Limited, Vancouver, BC Canada and Lorne Whitehead, PhD, P.Eng, University of British Columbia, Vancouver, BC Canada

## Thursday, October 13 (continued)

1:45-3:15 pm  
Lecture Theatre

### ***An Examination of HABS Culture of Documentation to Develop Strategies on How to Record Cultural Landscapes with Digital Technologies***

Serra Akboy, Texas A&M University, Center for Heritage Conservation, College Station, TX USA

### **Understanding Approaches to Seismic Upgrades— [CS07]**

**Track:** Buildings, Structures and Vessels

**Session Chair:** Sarah Green, Heritage Conservation Directorate, Gatineau, QC Canada

### ***The Effect of Fiber Reinforced Mortar (FRM) on the Compressive and Flexural Bond Strength of Masonry***

Catherine Armwood, BS, University of Nebraska-Lincoln, Lincoln, NE USA

### ***Seismic Assessment and Upgrading Strategies for Fisgard Lighthouse Facility at Fort Rodd Hill, Victoria, B.C.***

Patrick Lam, MSc, P.Eng, StructEng, FIStructE, FEC, CWMM, and Shelly Zhao, MSc, P.Eng, StructEng, SE, CWMM Consulting Engineers Ltd, Vancouver, BC Canada

### ***Seismic Evaluation and Strengthening of an Historic Synagogue Using Traditional and Innovative Methods and Materials***

Terrence Paret and Alan R. Dreyfuss, AIA, Wiss, Janney, Elstner, Associates, Inc., Emeryville, CA USA

### ***The Challenges of Seismic and Building Envelope Upgrades to a Heritage Hotel***

Mark Lawton, P.Eng., FEC, Morrison Hershfield Limited, Vancouver, BC Canada

1:45-3:15 pm  
Saanich

### **Understanding Mortars—[CS08]**

**Track:** Materials

**Session Chair:** Chris Borgal, B. Arch., OAA, MRAIC, CAPHC, Toronto, ON Canada

### ***Evaluation and Testing of Brick Dust as a Pozzolan Additive to Mortars and Grouts for Architectural Conservation***

Sara Rogers, University of Pennsylvania, Philadelphia, PA USA

### ***Sea Salts and Sustainability of Masonry Structures***

Denis Brosnan, PhD, PE, Clemson University, Pendleton, SC USA

### ***Recycling in 1811: A Case Study of Iron-Laden Mortar Used at Castle Williams, New York Harbor***

Steve Reilly, EYP, Albany, NY USA

### ***A Comparative Study of Laboratory Mortar Chemical Analysis Methods***

Shan Wo, PE, Atkinson-Noland & Associates, Boulder, CO USA

## Thursday, October 13 (continued)

3:30-5:00 pm  
Saanich

### Paper Sessions

#### **Guidelines and Codes: Energy, Fire and Existing Building—[CS09]**

**Track:** Sustainability

**Session Chair:** Nancy Barba, AIA, NCARB, LEED AP, Portland, ME USA

#### ***Sustainability Assessment of Bridge Systems: An Energy-based Lifecycle Analysis (EM-LCA)***

Bahareh Reza, PhD candidate, University of British Columbia, Kelowna Canada

#### ***Improving Energy Efficiency in Historic Buildings—How Far Have We Come?***

Jo Ellen Hensley, LEED Green Associate, National Park Service, Washington, DC USA

#### ***Why Energy Codes Matter: Applicability to Historic and Other Existing Resources***

Marilyn Kaplan, FAPT, New York State Energy Research and Development Authority, Albany, NY USA

#### ***Sustainability, Disasters and Preservation: Creating Awareness and Understanding Synergies***

Christopher Marrion, PE, FSFPE, Marrion Fire & Risk Consulting PE, LLC, New York, NY USA

3:30-5:00 pm  
Esquimalt

#### **Learning from the US Capitol Historic Landscape— [CS10]**

**Track:** Cultural Landscapes and Communities

**Panel Moderator:** Lonnie Hovey, AIA, FAPT, Philadelphia, PA USA

#### ***Recognizing Olmsted's Legacy for a Sustainable Future***

Panelists: Theodore R. Bechtol, Jr., Superintendent of the Capitol Grounds, Washington, DC USA; Martin Shore, AIA Associate, The Architect of the Capitol, Washington, DC USA; and Patricia M. O'Donnell, FASLA, AICP, Principal, Heritage Landscapes LLC, Charlotte, VT USA

3:30-5:00 pm  
Lecture Theatre

#### **Lighthouses: Maintaining and Repairing—[CS11]**

**Track:** Buildings, Structures and Vessels

**Session Chair:** Dan Worth, AIA, Lincoln, NE USA

#### ***Preliminary Structural Assessment of Hooper Island Lighthouse***

Alexandra Terpeluk, EIT, University of Texas, Austin, TX, USA

#### ***Sakonnet Light Restoration***

John Wathne, PE, Structures North Consulting Engineers, Salem, MA USA



***Cast Iron on the Coast: The Rehabilitation of the Pigeon Point Lighthouse***

Kitty Vieth, RA, LEED AP, Architectural Resources Group, San Francisco, CA USA

***The West Point Lighthouse: Continued Sustainability in the Northwest Maritime Environment***

Rhoda Lawrence, AIA, BOLA Architecture + Planning, Seattle, WA USA and Tom Tipps, KEIM Mineral Coatings of America, Charlotte, NC USA

**Conserving Cementitious Materials—[CS12]**

**Track:** Materials

**Session Chair:** Bernard Flaman, SAA, MRAIC, Regina, SK Canada

***Introduction to Alternative Cements for Repair***

Anthony Bentivegna, EIT, and Thano Drimalas, PhD, University of Texas at Austin, Austin, TX USA; and Jason Ideker, PhD, Oregon State University, Corvallis, OR USA

***Extending the Service Life of Reinforced Concrete Structures Subjected to Alkali-Silica Reaction in British Columbia***

Anthony Bentivegna, EIT, The University of Texas at Austin, Austin, TX, USA

***Diagnóstico de la Casa del Obispo, propuesta de intervención***

Joan Pablo Prieto, Oficina del Historiador de la Ciudad, La Habana, La Habana Cuba

***Investigations in Mortar Coating Systems and Paintings in the Conservation of Historic Façades***

Mirian Cruxen Barros de Oliveira, PhD, Technological Research Institute, São Paulo, São Paulo Brazil

**APT Student Scholarship and Outreach Committee Social**

**Ticket:** None required

**Format:** Reception

**Food:** Light hors d'oeuvres

**Dress Code:** Casual

All current and past APT Student Scholars, as well as mentors and professors, are invited to network in a quiet setting. Alumni will be invited to share their 3-Minute Success Stories—the story of how an APT Student Scholarship launched them into a successful career through APT.

**APT Committee Meetings**

APT Technical Committee on Modern Heritage • *Saanich 2*

APT Technical Committee on Preservation Engineering • *Lecture Theatre*

APT Technical Committee on Sustainable Preservation • *Saanich 1*

APT Training and Education Committee • *Victoria*

3:30-5:00 pm  
Oak Bay

5:15-7:00 pm  
Empress—  
Balmoral Room

5:15-7:00 pm

## Thursday, October 13 (continued)

- 7:00–11:00 pm  
*Bard and Banker Pub*  
1022 Government Street
- 7:00–8:30 pm  
*The Union Club of British Columbia*  
805 Gordon Street
- 8:30–11:00 pm  
*Hotel—Empress Harbourside Room*
- APT Development Committee • *Esquimalt*  
APT Publications Committee • *Oak Bay 2*  
APT Chapters Committee • *Oak Bay 1*  
5:15–6:15 pm • APT NYC 2013 Conference Committee • *Sook*  
6:15–7:00 pm • APT Charleston 2012 Conference Committee • *Sook*
- Chapters Mixer**  
**Ticket:** None required  
**Food:** Dutch Treat; purchase your own food and drink  
**Dress Code:** Casual  
**Transportation:** Walk  
**Directions:** Exit hotel and turn right on Government Street. Bard and Banker is about three blocks north on the west side.
- You are invited to join APT Chapter members as they gather at the Bard and Banker. Located just up the street from The Fairmont Empress in historic downtown Victoria, the restaurant's rich history is as intriguing as its adaptive use.
- Union Club Tour**  
**Ticket:** Required  
**Format:** Tour and brief lecture  
**Food:** Light hors d'oeuvres and drink  
**Dress Code:** Casual  
**Transportation:** Walk  
**Directions:** Exit hotel; turn right on Government Street, then right on Humbolt Street, then left on Gordon Street. The Union Club entrance is on the right.
- The Union Club of British Columbia has been serving leaders in Victoria since 1879. Martin Segger, member of the APT Victoria 2011 Conference Committee and the Union Club, will provide a tour of this historic structure throughout the reception time that includes cocktails and light hors d'oeuvres.
- Canadian Conservation, Current Issues and Challenges over Beer**  
**Ticket:** None required  
**Format:** Interactive discussion  
**Food:** Snacks and beer  
**Dress Code:** Casual
- This informal gathering is open to everyone interested in Canadian Conservation and will provide an opportunity to coordinate, structure and strengthen efforts among all players—owners, practitioners, government policy makers, associations, alliances, etc

## Friday, October 14

6:30 am–6:00 pm  
Level One Lobby

### APT Registration and Information Desk

7:30–8:30 am  
Empress—Kiplings

### Chapters and New Members Breakfast

**Ticket:** Required

**Format:** Brief presentation

**Food:** Full Breakfast

**Dress Code:** Casual

All APT Chapter members invite association members who have joined APT since last year's Conference for breakfast. This includes all first-time non-member Conference registrants who receive a complimentary one-year APT membership with their Conference registrations. As a new member you're encouraged to participate.

7:30–10:45 am  
Level One Lobby

### Coffee Break

### Paper Sessions

8:45–10:30 am  
Oak Bay

### **Sustaining Communities in their Built Environments—[CS13]**

**Track:** Sustainability

**Session Chair:** Berdine Jonker, MPA, Victoria, BC Canada

#### ***Policy Guidance for the Contextualization of Infill Buildings in Historic Urban Environments: A Case Study in the Arabian Gulf***

Roha Khalaf, M.Arch, BAS, University of Montreal, Montréal, Quebec Canada

#### ***Energy Efficiency and Sustainability in Traditional Buildings—Ongoing Work by Historic Scotland***

Roger Curtis, Msc, FSA, Historic Scotland, Edinburgh, Midlothian UK

#### ***The Sustainable Design of Frank Lloyd Wright's Pilgrim Congregational Church in Redding, California***

Anat Geva, PhD, RA, and Jacob Morris, Texas A&M University, College Station, TX USA

#### ***Historic Preservation of a Living Mission***

David Flores Soliz, Architect Bolivia, Masters in Historic Preservation Spain, Chatsworth, CA USA

#### ***Trinidad, un modelo sostenible para el manejo de su patrimonio***

Nancy Benítez Vázquez, Ciudad de Trinidad y el Valle de los Ingenios, Trinidad Cuba

8:45–10:30 am  
Esquimalt

### **Cultural Landscape: Scale and Diversity from World Heritage Sites to Gardens—[CS14]**

**Track:** Cultural Landscapes and Communities

**Session Chair:** Patricia O'Donnell, FASLA, AICP, IFLA, ICOMOS, Charlotte, VT USA

## Friday, October 14 (continued)

### ***Historic District and Territory: Momposino Cultural Ecosystem***

Andres Gaviria, M.Sc.A., Universidad Javeriana, Bogota, D.C. Colombia

### ***Preserving the Suburbs: the Neighborhood***

Joey Gaiamo, B.Tech, M.Arch, MRAIC, E.R.A. Architects Inc., Toronto, ON Canada

### ***Cultural Landscape in NW Argentina***

Josefina del Huerto Chaila, Dra. en Arquitectura, and Mirta Sosa, DPEA, Faculty of Architecture and Urbanism, Universidad Nacional de Tucuman, San Miguel de Tucuman, Tucuman, Argentina

### ***Nikka Yuko Japanese Garden, Canada***

Robert Hirano, AAA, MAIBC, MRAIC, BFA, M.Arch, RKH Architecture Ltd., Lethbridge, AB Canada

8:45-10:30 am  
*Lecture Theatre*

### **Conserving Coastal Forts and Sites for Exploration— [CS15]**

**Track:** Buildings, Structures and Vessels

**Session Chair:** Richard Lindzey, Victoria, BC Canada

### ***Preserving North America's Midcentury Indoor Arenas: Case Studies of the Pacific Northwest***

Matthew Hayes, Savannah College of Art and Design, Savannah, GA, USA

### ***Protecting Our Harbors: Investigation, Structural Stabilization, and Repair of America's Historic Coastal Fortifications***

John Matteo, PE, FAAR, and John Dumsick, PE, Robert Silman Associates, Washington, DC USA

### ***Fort Direction, Tasmania, Australia—Defending Cultural Heritage***

John Hoysted, B Arch and MA(Conservation Studies), Environmental Resources Management Australia Pty Ltd, Spring Hill, Queensland Australia

### ***Rebuilding the Failing Walls of Fort Jefferson National Monument in Dry Tortugas National Park***

Craig Bennett, Jr., PE, 4SE, Inc., Charleston, SC USA

### ***Extreme Solutions for Extreme Circumstances***

Gordon Macdonald, Macdonald & Lawrence, Cobble Hill, BC Canada

8:45-10:30 am  
*Saanich*

### **Approaches for Slowing Deterioration—[CS16]**

**Track:** Materials

**Session Chair:** Sue Ann Pemberton, AIA, San Antonio, TX USA

### ***The Toxicology of Copper and the Possible Implications for Preservation***

Amy Swift, LEED-AP BC+C, Columbia University, New York, NY USA

## Friday, October 14 (continued)

### ***Greening Deterioration: Soft Capping as Preventive Conservation for Ruin Sites***

Alex Lim, MS, The Architectural Conservation Laboratory, Philadelphia, PA USA and Frank Matero, Professor of Architecture, The University of Pennsylvania, Philadelphia, PA USA

### ***Material Conservation in Unique Aquatic Environments***

Teresa Almond, AAA, Government of Canada, Calgary, AB Canada

### ***The New York Public Library: Protective Masonry Treatments***

Tim Allanbrook, AIA, and Kyle Normandin, Wiss, Janney, Elstner Associates Inc., New York, NY USA

### ***A Comparison of Cleaning Methods for Graffiti Removal from Masonry Surfaces***

Mary Striegel, PhD, FAIC, National Center for Preservation Technology and Training, Natchitoches, LA USA and Eric Guidry, Northwestern State University of Louisiana, Natchitoches, LA USA

10:45 am-12:15 pm  
*Saanich*

### **Life Cycle Assessment Research Results—[CS17]**

**Track:** Sustainability

**Panel Moderator:** Ralph DiNola, Assoc. AIA, LEED AP BD+C, Portland, OR USA

### ***Quantifying the Value of Building Reuse***

Panelists: Patrice Frey, Director, Sustainability Program, National Trust for Historic Preservation; Katie Spataro, LEED AP, Research Director, Cascadia Green Building Council, International Living Building Institute; and Amanda Pike, Life Cycle Analyst, Quantis USA

10:45 am-12:15 pm  
*Esquimalt*

### **Managing Environmental Change and Cultural Landscapes— [CS18]**

Session Chair: Hugh Miller, FAIA, Goucher College, Baltimore, MD USA

### ***Life Cycle Analysis and Life Cycle Cost Analysis***

Danielle Potts, BArch, School of the Art Institute of Chicago, Chicago, IL USA

### ***Climate Change—Rethinking our Strategies***

Robert Melnick, FASLA, University of Oregon, Eugene, OR USA

### ***Guns and Roses: Conserving Ecologically and Culturally Significant Military Landscapes***

Richard Linzey, BA(Hons), DipArch, AADipCons, CAHP, BC Heritage Branch, Victoria, BC Canada

### ***Adaptive Use: Community Revitalization through Urban Agriculture***

Jessica Blemker-Ferree, LEED GA, School of the Art Institute of Chicago, Chicago, IL USA



## Friday, October 14 (continued)

10:45 am-12:15 pm  
Lecture Theatre

### ***Portsmouth Village: Revealing a Distant Past***

Deborah Slaton, FAPT, Wiss, Janney, Elstner Associates, Inc., Northbrook, IL USA and Liz Sargent, ASLA, LEED AP, Liz Sargent HLA, Charlottesville, VA USA

### **Approaches to Structural Analysis and Repair—[CS19]**

**Track:** Buildings, Structures and Vessels

**Session Chair:** Kevin Pickwick, PEng ASCT LEED-AP, Victoria, BC Canada

### ***Air Coupled Impact Echo Analysis of Historic Brick Masonry***

Nicole Trujillo, The Pennsylvania State University, State College, PA USA

### ***Preservation of 19th Century Structural Design Procedures***

Thomas Boothby, PhD, PE, RA, Penn State University, University Park, PA USA

### ***The Structural Investigation and Repair of the Breeding Barn at Shelburne Farms***

Douglas Porter, University of Vermont, Burlington, VT USA and Ronald Anthony, Wood Scientist, Anthony & Associates, Fort Collins, CO USA

### ***Union Depot: Structural Assessment of Aging Timber Piles on the Banks of the Mississippi River***

Arne Johnson, PE, SE, Wiss, Janney, Elstner Associates, Inc., Northbrook, IL USA and Mark R. Chauvin, PE, Wiss, Janney, Elstner Associates, Inc., Minneapolis, MN USA

10:45 am-12:15 pm  
Oak Bay

### **Post Disaster Salvage, Cleaning and Repair—[CS20]**

**Track:** Materials

**Session Chair:** Daphne van Ham, Heritage Conservation Directorate, Ottawa, ON Canada

### ***Hurricane Preparedness Strategies for Historic Structures***

Justin Henderson, University of Colorado, Denver, CO USA

### ***Hurricane Damage and Conservation Challenges at Vizcaya Museum and Gardens, Miami, Florida***

Joseph Sembrat, FAIC, Conservation Solutions, Inc., Santa Fe, NM USA

### ***Crude Oil Contamination of Fort Livingston, Grand Terre Island, Louisiana: Issues and Challenges***

Carol Chin, PhD, National Center for Preservation Technology and Training, Natchitoches, LA USA

*paper list continued*

## Friday, October 14 (continued)

### ***Conservation in the Time of Cholera: The Stabilization and Removal of the Murals at St. Trinite Cathedral in Port-Au-Prince Haiti***

Rosa Lowinger, PA, AIC, FAAR, Rosa Lowinger & Associates, Los Angeles, CA USA and Viviana Dominguez, ArtConservationLA, Los Angeles, CA USA

12:30–5:30 pm  
*Totem Prefunction Area*

#### **Field Session: St. Ann's Academy Landscape [FS1]**

**Ticket:** Required

**Format:** Walking Tour

**Food:** Lunch

**Dress Code:** Casual, with good walking shoes

**Transportation:** Walk

12:30–5:30 pm  
*Saanich*

#### **Field Session: Victoria Waterfront: Working Harbour in Transition [FS2]**

**Ticket:** Required

**Format:** Walking Tour

**Food:** Lunch

**Dress Code:** Casual, with good walking shoes

**Transportation:** Water taxi

12:30–5:30 pm  
*Totem Prefunction Area*

#### **Field Session: Heritage Led Urban Revitalization Through Incentives [FS3]**

**Ticket:** Required

**Format:** Walking Tour

**Food:** Lunch

**Dress Code:** Casual, with good walking shoes

**Transportation:** Charter bus

## *The APT Cyber Café*

The APT Cyber Café is in the APT Registration and Information Area. Computers for public use are loaded with Conference information and support that can be reviewed, emailed, downloaded or printed using the public printer.

You will find:

- Program Book as a .pdf
- Handouts
- Participant List/Conference Roster
- APT Student Scholarships Auction List
- Victoria CE Forms
- Victoria City Map



**More...check it out!**

## Friday, October 14 (continued)

1:30–3:30 pm  
Empress Main Lobby

### **John Adams Walking Tour: Christ Church Cathedral**

**Ticket:** Purchase ticket at door (\$13 CAD or USD)

**Format:** Guided tour

**Food:** None; take your own bottled water

**Dress Code:** Casual

**Transportation:** Walk

Veteran Victoria tour guide John Adams will guide you to Christ Church Cathedral, Vancouver Island's largest church structure, which has some amazing traditional and contemporary stained glass. You will then continue the leisurely walk into the nearby Rockland residential neighbourhood, the fashionable part of town where wealthy 19th century families built their mansions, including Craigdarroch Castle, the Art Gallery of Greater Victoria and many others in Tudor Revival, Gothic, Queen Anne and Italianate styles. This is an easy walk, but is a little longer in length than the other tours.

2:00–5:00 pm  
Saarnich

### **APT Latin American Chapter/PROTERRA Poster Session**

*Sostenibilidad, Paisajes Culturales y Comunidades en América Latina: Perspectivas Regionales*

*Sustainability, Cultural Landscapes and Communities in Latin America: Regional Perspectives*

This poster session will feature work by Latin American preservationists (see page 25). Authors will give brief presentations and answer questions from attendees. The discussions will be simultaneously translated Spanish < > English, and will be enriched by the participation of professionals from all over the world.

4:00–5:30 pm  
Empress Main Lobby

### **John Adams Walking Tour: Chinatown**

**Ticket:** Purchase ticket at door (\$13 CAD or USD)

**Format:** Guided tour

**Food:** None; take your own bottled water

**Dress Code:** Casual

**Transportation:** Walk

Veteran Victoria tour guide John Adams will show you why Victoria is the capital of British Columbia and how it changed over time from a First Nations village to a vibrant heritage city. The route will focus on Old Town and the harbourfront, including Bastion Square and Market Square, two heritage revitalization projects of the 1960s and 1970s respectively.

## Friday, October 14 (continued)

6:00–7:30 pm  
Lecture Theatre



### College of Fellows Keynote Lecture and Induction

**Ticket:** None required

**Format:** Lecture

**Dress Code:** Casual

**Notes:** This session will be simultaneously interpreted English > Spanish

### *The State of Conservation and World Heritage Policies*

Carolina Castellanos is a cultural heritage consultant who specializes in the conservation and management of heritage sites, particularly archaeological and earthen architecture sites. For the past 18 years, she has consulted for diverse international organizations such as The Getty Conservation Institute, ICCROM, ICOMOS and UNESCO's World Heritage Center on a variety of issues ranging from management planning for heritage sites to policy development for cultural heritage.

Carolina Castellanos will discuss current statutory processes for the assessment of World Heritage properties and examine the challenges faced in the implementation of international policies, with a particular focus on climate change and sustainable development, in the conservation and management of sites.

7:45–9:30 pm  
Empress—  
Crystal Ballroom

### APT Awards Banquet and Student Scholarship Auctions

**Ticket:** Required

**Food:** Reception and dinner

**Dress Code:** Dressy

This year's Awards Banquet will feature presentations of the annual publication and president's awards and two auctions to raise funds to cover the cost of hosting this year's Student Scholars:

#### **Dessert Auction**

Bring cash to the table...you get to buy your dessert this year! This entertaining event will pit you and your tablemates against the other dinner guests to pay top dollar for the most appealing dessert. Surprises are included.

#### **Live Auction**

In keeping with tradition, APT will have several enticing items for your bidding pleasure—including an inclusive APT Charleston 2012 Conference package.

## Saturday, October 15

7:30–9:00 am  
*Outside Oak Bay*

**APT Registration and Information Desk**

7:00–8:00 am  
*Oak Bay 2*

**APT Board of Directors Meeting #2**

7:30–8:30 am

**Continental Breakfast**

7:30 am–7:30 pm  
*Empress—Main Lobby*  
*Meet at 7:15 am to*  
*depart at 7:30 am*

**Field Session: Vancouver Modern [FS7]**

**Ticket:** Required

**Format:** Walking Tour

**Food:** Continental breakfast (pick up boxed meal in hotel lobby before you leave), lunch on the ferry and dinner in Vancouver

**Dress Code:** Casual, with good walking shoes

**Transportation:** Charter bus

8:30 am–4:30 pm  
*Oak Bay 1*

**Workshop: Masonry in a Marine Environment [WS1]**

**Ticket:** Required

**Format:** Lecture and in the field

**Food:** Continental breakfast and lunch

**Dress Code:** Casual

**Transportation:** Water taxi

Workshop Coordinators: Keith Blades, M.A. Keith Blades Consulting, Almonte, ON Canada and John Dam, PEng., CAHP, LEED AP

8:30 am–4:30 pm  
*Saanich*

**Workshop: Condition Assessment of Structural Timbers [WS2]**

**Ticket:** Required

**Format:** Lecture and demonstrations

**Food:** Continental breakfast and lunch

**Dress Code:** Casual

**Directions:** Meet at 8:15 am to depart at 8:30 am

Workshop Coordinator: Gordon Macdonald, Macdonald & Lawrence Timber Framing Ltd, Vancouver Island, BC, Canada

8:30 am–4:30 pm  
*Empress—Main Lobby*  
*Meet at 8:15 am to*  
*depart at 8:30 am*

**Field Session: Military Landscapes—Conserving Conflict [FS4]**

**Ticket:** Required

**Format:** Walking Tour

**Food:** Continental breakfast (pick up boxed meal in hotel lobby before you leave) and lunch in the field

**Dress Code:** Casual, with good walking shoes

**Bring:** a government-issued i.d. (e.g.: driver's license, passport)

**Transportation:** Water taxi

**Directions:** Meet at 8:15 am to depart at 8:30 am



## Saturday, October 15 (continued)

8:30 am–4:30 pm  
*Empress—Main Lobby*  
Meet at 8:15 am to  
depart at 8:30 am

### Field Session: Cultural Landscape Management at Beacon Hill Park, Ross Bay Cemetery and Pioneer Square [FS5]

**Ticket:** Required

**Format:** Walking Tour

**Food:** Continental breakfast (pick up boxed meal in hotel lobby before you leave) and lunch in the field

**Dress Code:** Casual, with good walking shoes

**Transportation:** Charter bus

**Directions:** Meet at 8:15 am to depart at 8:30 am

4:30–6:00 pm  
*Irish Times Pub*  
1200 Government Street

### Workshop Reception

**Ticket:** Required

**Format:** Reception

**Food:** Light hors d'oeuvres and drink

**Dress Code:** Casual

**Transportation:** Walk

**Directions:** Exit hotel and turn right on Government Street. Irish Times Pub is about three blocks north on the west side.

Workshop attendees and speakers are invited for a drink and nibble before dining on their own in downtown Victoria.

Evening

**On Your Own**

## Sunday, October 16

7:30–9:00 am  
*Outside Oak Bay*

### APT Registration and Information Desk

7:30–8:30 am

### Continental Breakfast

8:30 am–4:30 pm  
*Oak Bay 1*

### Workshop: Masonry in a Marine Environment, Day 2 [WS1]

**Ticket:** Required

**Format:** Lecture and demonstrations

**Food:** Continental breakfast and lunch

**Dress Code:** Casual

8:30 am–4:30 pm  
*Empress—Main Lobby*  
Meet at 8:15 am to  
depart at 8:30 am

### Workshop: Condition Assessment of Structural Timbers, Day 2 [WS2]

**Ticket:** Required

**Format:** In the field

**Food:** Continental breakfast (pick up boxed meal in hotel lobby before you leave) and lunch in the field

**Dress Code:** Casual

**Transportation:** Charter bus and walking

**Bring:** Notebook and camera

## *2011 The Getty Foundation Professional Travel Support Recipients*

Thanks to the generous and ongoing support of The Getty Foundation, numerous preservation professionals from Latin America and the Caribbean are able to receive funding for travel to attend APT's Annual Conference. Following is a list of this year's recipients.

**Alberto José Herrera Díaz**

Cartagena, Colombia

**Andrés Gaviria Valenzuela**

Universidad Javeriana  
Bogotá, Colombia

**Barbara Cortizo de Aguiar**

Centro de Estudos Avançados da Con-  
servação Integrada  
CECI Faculdade de Ciências Humanas  
Esuda  
Recife, Brazil

**Carolina Castellanos**

Cultural Heritage Consultant  
Atlatlahucan, Mexico

**Claudia Rodríguez Espinosa**

Universidad Michoacana de San Nicolás  
de Hidalgo  
Morelia, México

**Danisley Pérez Bravo**

IPROYAZ  
La Habana, Cuba

**Fabiola Margoth Zambrano Figueroa**

Instituto de Pesquisas Technologicas do  
Estado de Sao Paulo  
Sao Paulo, Brazil

**Gilberto De Ranieri Cavani**

Instituto de Pesquisas Technologicas do  
Estado de Sao Paulo  
Sao Paulo, Brazil

**Joan Pablo Prieto Rodríguez**

Oficina del Historiador de la Ciudad.  
La Habana, Cuba

**Josefina del Huerto Chaila**

Facultad de Arquitectura y Urbanismo  
-Universidad Nacional de Tucumán  
San Miguel de Tucumán, Argentina

**Marco Antônio Penido de Rezende**

Universidade Federal de Minas Gerais  
Belo Horizonte, Brazil

**Mauricia Dominguez**

ICOMOS Dominicano  
Santo Domingo, República Dominicana

**Mirian Cruxen Barros de Oliveira**

Instituto de Pesquisas Technologicas do  
Estado de Sao Paulo  
Sao Paulo, Brazil

**Mirta Eufemia Sosa**

Centro Regional de Investigaciones de Ar-  
quitectura de Tierra de Tucuman, Facultad  
de Arquitectura Y Urbanismo, Universidad  
Nacional de Tucuman  
San Miguel de Tucuman, Argentina

**Mónica Elena Silva Contreras**

Universidad Iberoamericana  
México City, Mexico

**Nancy Dionisia Benítez Vázquez**

Oficina del Conservador de la Ciudad de  
Trinidad  
Trinidad, Cuba

**Ramón Aguirre Morales**

Arcilla y arquitectura S.C.  
La Soledad Etlá  
Oaxaca, México

**Teresa Raulina Capellán Saad**

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Universidad Católica de Santo Domingo  
Santo Domingo, República Dominicana

**William Francisco Pasuy Arciniegas**

Universidad de la Salle  
Bogotá, Colombia

**Zenón Barros Céspedes**

Universidad Santo Tomas  
Viña del Mar, Chile

## *Student Scholarship Recipients*

The APT Scholarship and Outreach Committee selected the following students to receive an APT Victoria 2011 Scholarship, which includes a Conference registration, a complimentary one-year APT membership, the opportunity to give an oral presentation during one of the Conference paper sessions, and introduction to a mentor from the APT College of Fellows. We encourage all of you to welcome them to APT.

### *Martin Weaver Student Scholar 2011*

#### **Roha Khalaf**

*Policy Guidance for the Contextualization of Infill Buildings in Historic Urban Environments: A Case Study in the Arabian Gulf*

University of Montréal, Montréal, Québec Canada

Faculty Advisor—Christina Cameron, Canada Research Chair on Built Heritage, University of Montreal, Montreal, Quebec, Canada

APT College of Fellows Mentor—Caroline Alderson, FAPT

#### **Catherine Armwood**

*The Effect of Fiber Reinforced Mortar (FRM) on the Compressive and Flexural Bond Strength of Masonry*

University of Nebraska-Lincoln, Omaha, NE USA

Faculty Advisor—Ece Erdogmus, PhD  
APT College of Fellows Mentor—Robert Young, FAPT

#### **Anthony Bentivegna**

*Extending the Service Life of Reinforced Concrete Structures Subjected to Alkali-Silica Reaction in British Columbia*

The University of Texas at Austin, Austin, TX USA

Faculty Advisor—Kevin Folliard  
APT College of Fellows Mentor—Steve Kelley, AIA, SE, FAPT

#### **Jessica Blemker-Ferree**

*Adaptive Reuse: Community Revitalization through Urban Agriculture*

School of the Art Institute of Chicago, Chicago, IL USA

Faculty Advisor—Anne Sullivan, AIA, APT President  
APT College of Fellows Mentor—Hugh Miller, FAIA, FAPT

#### **Caitlin Chamberlain**

*The Shipwreck Graveyard of Mallows Bay: Exploring the Challenges and Benefits of Preserving Rare Maritime Antiquities*

Savannah College of Art and Design, Savannah, GA USA

Faculty Advisor and APT College of Fellows Mentor—Tom Taylor, Jr., PhD, FAPT, FAIC

#### **Kara Dotter**

*The Weathering of Conservation Mortars, and Implications for Historic Preservation*

Queen's University Belfast, Belfast, Co. Antrim, Belfast, UK

Faculty Advisor—Bernard Smith, PhD  
APT College of Fellows Mentor—Lonnie Hovey, FAPT

#### **Matthew Hayes**

*Preserving North America's Midcentury Indoor Arenas: Case Studies of the Pacific Northwest*

Savannah College of Art and Design, Savannah, GA USA

Faculty Advisor—Justin Gunther  
APT College of Fellows Mentor—Mike Tomlan, FAPT

**Justin Henderson**

*Hurricane Preparedness Strategies for Historic Structures*

University of Colorado, Denver, CO USA  
Faculty Advisor—Chris Kozial  
APT College of Fellows Mentor—David Hart, AIA, FAPT

**Phyllis Henderson**

*The Ancient Roman Belvedere: Distant Views of the Intangible Cultural Landscape*

University of Florida, Gainesville, FL USA  
Faculty Advisor—Hui Zou, PhD  
APT College of Fellows Mentor—Fran Gale, FAPT

**Danielle Potts**

*Life Cycle Analysis and Life Cycle Cost Analysis*

School of the Art Institute of Chicago, Chicago, IL USA  
Faculty Advisor—Anne Sullivan, AIA, APT President  
APT College of Fellows Mentor—Marilyn Kaplan, FAPT

**Bahareh Reza**

*Sustainability Assessment of Bridge Systems: An Energy-based Lifecycle Analysis (EM-LCA)*

University of British Columbia, Kelowna, BC Canada  
Faculty Advisor—Rehan Sadiq  
APT College of Fellows Mentor—Ron Staley, FAPT

**Sara Rogers**

*Evaluation and Testing of Brick Dust as a Pozzolanic Additive to Mortars and Grouts for Architectural Conservation*

University of Pennsylvania, Philadelphia, PA USA  
Faculty Advisor—Frank Matero  
APT College of Fellows Mentor—Sharon Park, FAIA, FAPT

**Amy Swift**

*The Toxicology of Copper and the Possible Implications for Preservation*

Columbia University, New York, NY USA  
Faculty Advisor—Theo Prudon, PhD, FAIA  
APT College of Fellows Mentor—Ilene Tyler, FAIA, FAPT

**Alexandra Terpeluk**

*Preliminary Structural Assessment of Hooper Island Lighthouse*

The University of Texas at Austin, Austin, TX USA  
Faculty Advisor—Fran Gale, FAPT  
APT College of Fellows Mentor—David Wessel, AIC, FAPT

**Nicole Trujillo**

*Air Coupled Impact Echo Analysis of Historic Brick Masonry*

The Pennsylvania State University, State College, PA USA  
Faculty Advisor—Thomas Boothby, PhD, PE, RA  
APT College of Fellows Mentor—Michael Lynch, PE, RA, FAPT

***APT is grateful for the financial support of the following groups and those who donate to and bid during the Student Scholarships Auction.***



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APT DC Chapter  
APT Northeast Chapter  
Cobra Corporate Management  
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APT is grateful for the financial support of each of our sponsors and exhibitors. Following is a list of those who had contributed by September 14:



Gold Star Sponsors are companies and individuals who have committed to sponsoring three consecutive APT Conferences

### **Sponsors to Date**

APT thanks the following companies that have pledged their financial support to the APT Victoria 2011 Conference.

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Kent Diebolt  
Susan Hollister  
Robert Mack

Gerhard Petri  
Walter Sedovic

Ilene Tyler  
Peter Wollenberg

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tects (BCSLA)  
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Clemson/College of Charleston Graduate  
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Department of Landscape Architecture at  
University of California, Berkeley  
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vation Program  
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George Washington University  
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School of Architecture, Art and Historic Pres-  
ervation < Roger Williams University  
Society for Commercial Archaeology  
The Cultural Landscape Foundation  
University of Utah College of Architecture +  
Planning  
Vernacular Architecture Forum

## *Exhibitors*

### **Aperam Stainless Europe**

#### **Booth #46**

[www.aperam.com](http://www.aperam.com)

Carole LeComte

+33-(0)3 85 85 79 53

[Carole.lecomte@aperam.com](mailto:Carole.lecomte@aperam.com)

A Stainless steel producer for building applications (roofing, façade).

### **APT Charleston 2012**

#### **Booth #30**

### **APT New York 2013**

#### **Booth #29**

### **Association for Preservation Technology International**

#### **Booth #31**

Nathela Chatara

217-529-9039

[nchatara@associationcentral.org](mailto:nchatara@associationcentral.org)

A cross-disciplinary, membership organization dedicated to promoting the best technology for conserving historic structures and their settings.

### **Boston Valley Terra Cotta Company**

#### **Booth # 21**

[www.bostonvalley.com](http://www.bostonvalley.com)

Patricia Aubrecht

716-649-7490

[tricia@bostonvalley.com](mailto:tricia@bostonvalley.com)

Boston Terra Cotta is the nation's most specialized Architectural Terra Cotta manufacturer. The company's diverse terra cotta lines include architectural terra cotta, roof tile and TerraClad ceramic rain screen systems.

### **The Christman Company**

#### **Booth #20**

[www.christmanco.com](http://www.christmanco.com)

Ronald Staley

703-740-5645

[Ronald.Stanley@christmanco.com](mailto:Ronald.Stanley@christmanco.com)

A construction manager, general contractor, large scale preservation project manager.

### **Gladding, McBean**

#### **Booth #13**

[www.paccoast.com](http://www.paccoast.com)

Jim Anderson

510-750-2254

[Jim.Anderson@paccoast.com](mailto:Jim.Anderson@paccoast.com)

A manufacturer of architectural terra cotta.

### **Gracom Masonry**

#### **Booth #12**

[www.gracommasonry.ca](http://www.gracommasonry.ca)

Garry Zarowny

780-496-7728

[garryz@gracom.ca](mailto:garryz@gracom.ca)

Leading provider of complete building envelope solutions.

### **Heritage Canada Foundation**

#### **Booth #6**

[www.heritagecanada.org](http://www.heritagecanada.org)

Chris Weibe

613-237-1066

[cweibe@heritagecanada.org](mailto:cweibe@heritagecanada.org)

An organization which seeks to preserve and demonstrate and to encourage the preservation and demonstration of the nationally significant historic, architectural, natural and scenic heritage of Canada with a view to stimulating and promoting the interest of the people of Canada in that heritage.

## *Exhibitors*

### **Heritage Grade**

#### **Booth #22**

[www.heritagegrade.com](http://www.heritagegrade.com)

Tim Hyde

613-228-1080

[tim@heritagegrade.com](mailto:tim@heritagegrade.com)

Heritage restoration of wood components, decorative metal and masonry cleaning.

### **KEIM Mineral Coatings, Inc.**

#### **Booth #28**

[www.keim.com](http://www.keim.com)

Tom Tipps

704-588-4811

[Tom.Tipps@keim.com](mailto:Tom.Tipps@keim.com)

Leading specialist in mineral architectural protection and restoration systems since 1878.

### **Oculus Fine Carpentry, Inc.**

#### **Booth #27**

[www.oculuswindow.blogspot.com](http://www.oculuswindow.blogspot.com)

Amy McAuley

503-740-6222

[oculuswindow@gmail.com](mailto:oculuswindow@gmail.com)

Traditional sash joiner, window conservator and searcher.

### **Peacock Laboratories**

#### **Booth #10**

[www.permalac.com](http://www.permalac.com)

Keith Fox

610-520-0660

[foxkeithp@gmail.com](mailto:foxkeithp@gmail.com)

Permalac outdoor clearcoat lacquer provides unequalled protection from UV, physical abuse and extreme weather. Ideal for metal, wood or stone substrates.

### **Robinson Iron**

#### **Booth #42**

[www.robinsoniron.com](http://www.robinsoniron.com)

J. Scott Howell

256-329-8486

[scotty@robinsoniron.cm](mailto:scotty@robinsoniron.cm)

Specialists in architectural cast metals and historic metal restoration.

### **ShipandInsure.com**

#### **Booth #43**

[www.shipandinsure.com](http://www.shipandinsure.com)

Elaine Lockard

717-393-5317

[Elaine@shipandinsure.com](mailto:Elaine@shipandinsure.com)

Shipping insurance for high value items (\$500 - \$1 million) plus discounts.

### **University of Victoria Cultural Resource Management Program**

#### **Booth #19**

<http://www.uvcs.uvic.ca/cultural>

Brenda Weatherston and Joy Davis

250-721-8504

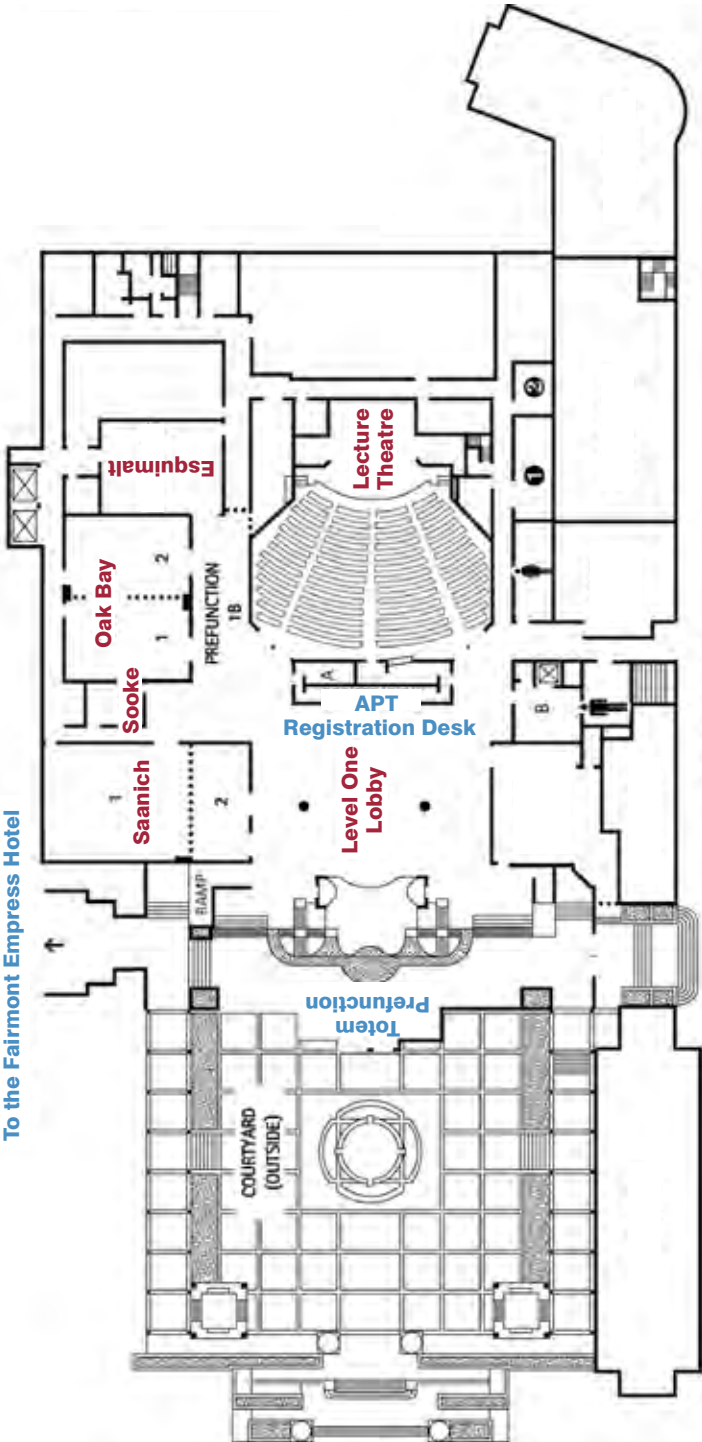
[bweather@uvic.ca](mailto:bweather@uvic.ca); [joydavis@uvic.ca](mailto:joydavis@uvic.ca)

Offers a range of flexible study options for museum, heritage and cultural professionals that strengthen your practice, build your confidence and advance your career.

# Victoria Conference Centre

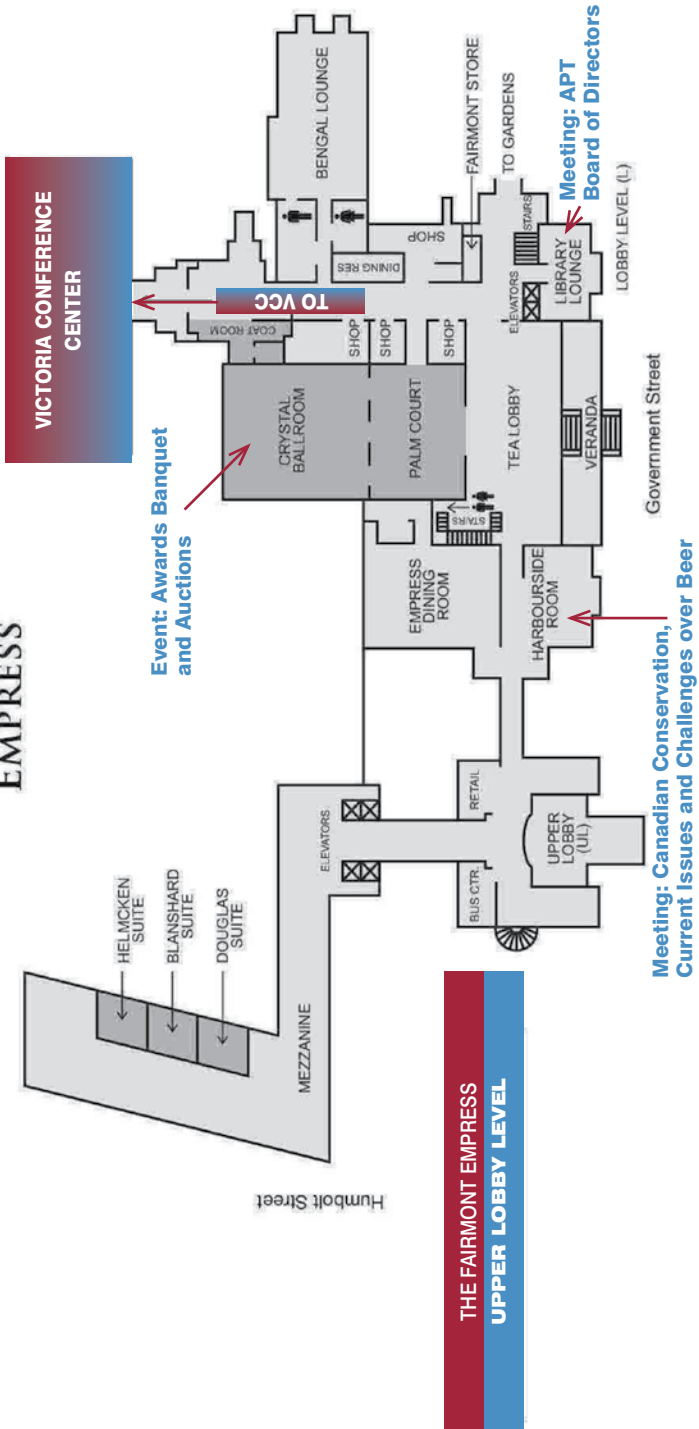
Level One

To the Fairmont Empress Hotel



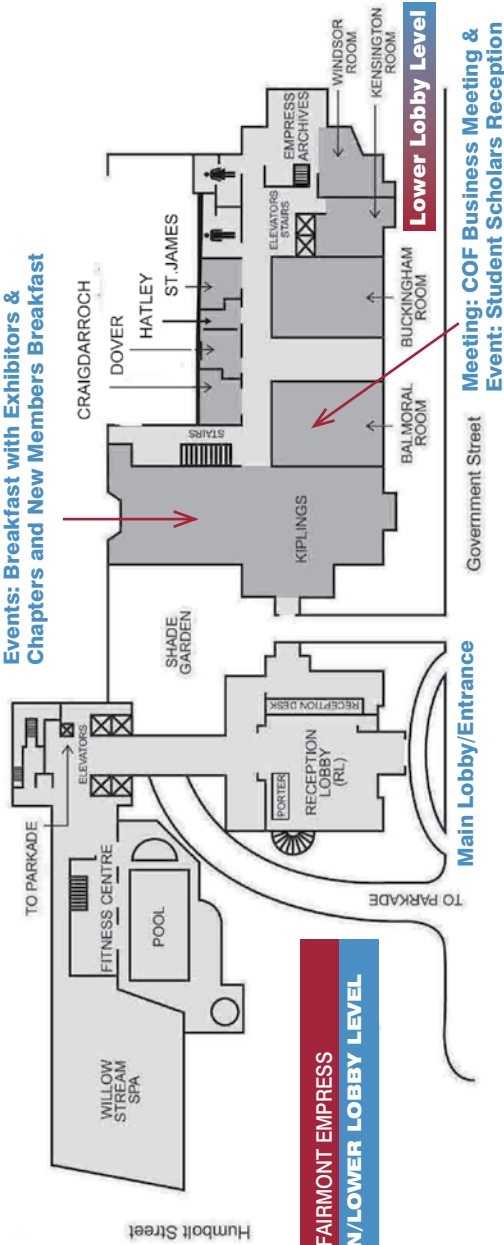
To the Crystal Garden

THE *Fairmont*  
EMPRESS



THE *Fairmont*  
EMPRESS

Events: Breakfast with Exhibitors & Chapters and New Members Breakfast



THE FAIRMONT EMPRESS  
RECEPTION/LOWER LOBBY LEVEL

Lower Lobby Level

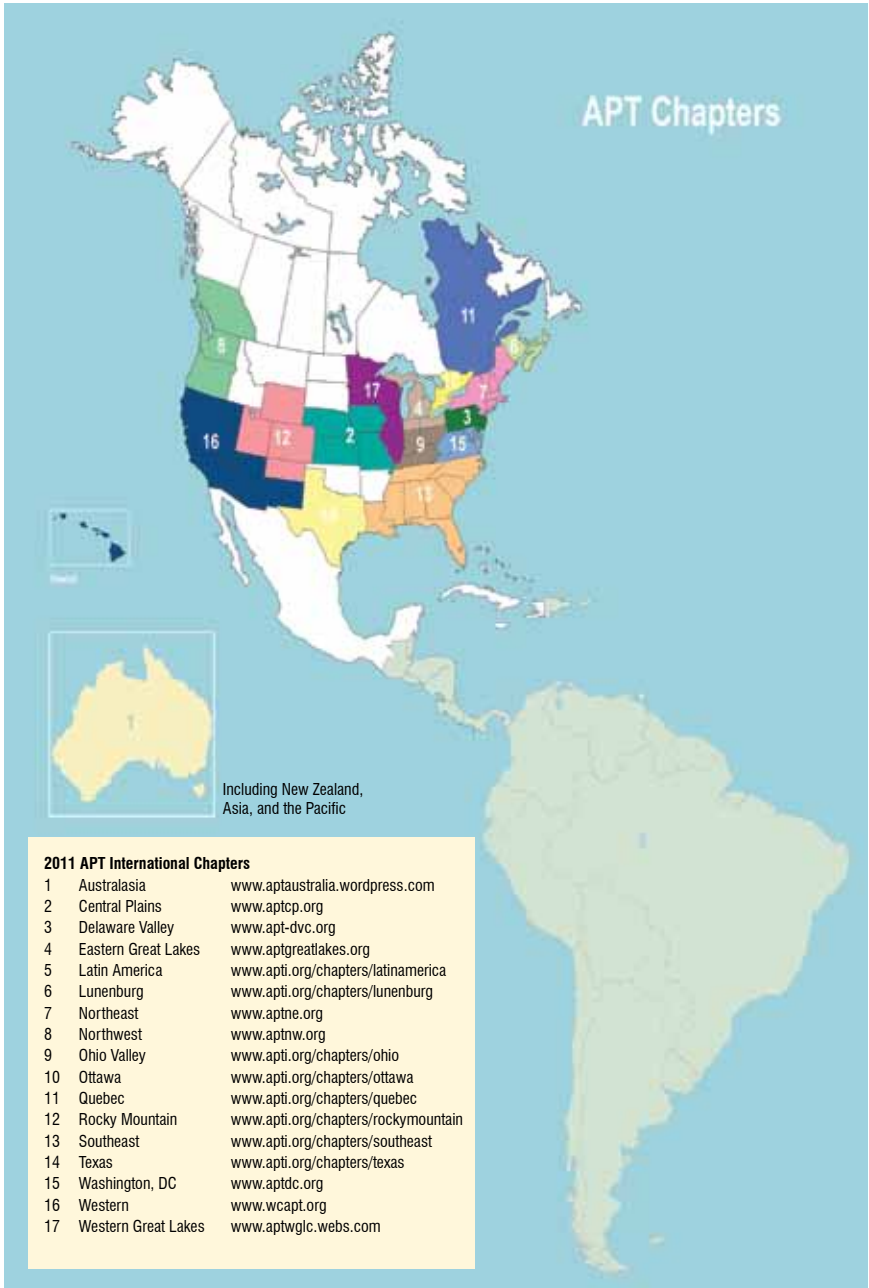
Meeting: COF Business Meeting & Event: Student Scholars Reception

Main Lobby/Entrance



# APT Chapters Map

Interested in joining your local chapter? Visit the APT booth for more information.



<b>10:15 am-Noon, Thursday, October 13</b>		
<b>S—SUSTAINABILITY</b> <i>SAAWICH</i>	<b>C—CULTURAL LANDSCAPES AND COMMUNITIES</b> <i>OAK BAY</i>	<b>M—MATERIALS</b> <i>ESQUIMALT</i>
<b>CS01— Sustainable Conservation: Symposium Report and Building Case Studies</b>	<b>CS02— Cultural Landscape as Community Heritage</b>	<b>CS04— Materials Reacting to Water</b>
Report from the Victoria Sustainability Symposium	Vancouver's Modern Cultural Landscapes	The Weathering of Conservation Mortars, and Implications for Historic Preservation
Calgary Public Building (designed 1919, constructed 1929-31) Restoration (2008-11)	Communities Created by Heritage Scotland	Retaining Our Heritage: The Art and Science of Historic Boundary Wall Construction, Investigation, Stabilization and Repair
Environmental and Structural Stabilization of the Antelope Valley Indian Museum	Cultural Landscapes in Michoacan, Mexico	Learning from Venturi: Brick Curtain Wall Deterioration and Repair
Seattle Fire Station 17 Sustainable Renovation and Addition: Moderne to Modern	Cultural Landscape Characterization: Newfoundland & Labrador	Wood and Water
		Cast Iron Plate Lighthouses in the United States (1844-1926)



Why Energy Codes Matter: Applicability to Historic and Other Existing Resources	Cast Iron on the Coast: The Rehabilitation of the Pigeon Point Lighthouse	Investigations in Mortar Coating Systems and Paintings in the Conservation of Historic Façades
Sustainability, Disasters and Preservation: Creating Awareness and Understanding Synergies	The West Point Lighthouse: Continued Sustainability in the Northwest Maritime Environment	Introduction to Alternative Cements for Repair
<b>8:45-10:30 am, Friday, October 14</b>		
<b>C—CULTURAL LANDSCAPES AND COMMUNITIES</b>		
<b>B—BUILDINGS AND STRUCTURES</b>		
<b>M—MATERIALS</b>		
<b>ESQUIMALT</b>		
<b>LECTURE THEATRE</b>		
<b>SAANICH</b>		
<b>S—SUSTAINABILITY</b>	<b>CS13—Sustaining Communities in their Built Environments</b>	<b>CS16—Approaches for Slowing Deterioration</b>
<b>OAK BAY</b>	<b>CS14—Cultural Landscape: Scale and Diversity from World Heritage Sites—Gardens</b>	
	<b>CS15—Conserving Coastal Forts and Sites for Exploration</b>	
	<b>CS16—Approaches for Slowing Deterioration</b>	
Policy Guidance for the Contextualization of Infill Buildings in Historic Urban Environments: A Case Study in the Arabian Gulf	Preserving North America's Midcentury Indoor Arenas: Case Studies of the Pacific Northwest	The Toxicology of Copper and the Possible Implications for Preservation
Energy Efficiency and Sustainability in Traditional Buildings — Ongoing Work by Historic Scotland	Protecting Our Harbors: Investigation, Structural Stabilization, and Repair of America's Historic Coastal Fortifications	Greening Deterioration: Soft Capping as Preventive Conservation for Ruin Sites
The Sustainable Design of Frank Lloyd Wright's Pilgrim Congregational Church in Redding, California	Fort Direction, Tasmania, Australia — Defending Cultural Heritage	Material Conservation in Unique Aquatic Environments
Historic Preservation of a Living Mission Trinidad, un modelo sostenible para el manejo de su patrimonio	Rebuilding the Falling Walls of Fort Jefferson National Monument in Dry Tortugas National Park	The New York Public Library: Protective Masonry Treatments
	Extreme Solutions for Extreme Circumstances	A Comparison of Cleaning Methods for Graffiti Removal from Masonry Surfaces

*papers continued on page 40*

**10:45 am-12:15 pm, Friday, October 14**

<p><b>S—SUSTAINABILITY</b> <b>SAANICH</b></p>	<p><b>C—CULTURAL LANDSCAPES AND COMMUNITIES</b> <b>ESQUIMALT</b></p>	<p><b>B—BUILDINGS AND STRUCTURES</b> <b>LECTURE THEATRE</b></p>	<p><b>M—MATERIALS</b> <b>OAK BAY</b></p>
<p><b>CS17—Life Cycle Assessment Research Results—PANEL DISCUSSION</b> Quantifying the Value of Building Reuse</p>	<p><b>CS18—Managing Environmental Change and Cultural Landscapes</b> Climate Change — Rethinking our Strategies</p>	<p><b>CS19—Approaches to Structural Analysis and Repair</b> Air Coupled Impact Echo Analysis of Historic Brick Masonry</p>	<p><b>CS20— Post Disaster Salvage, Cleaning and Repair</b> Hurricane Preparedness Strategies for Historic Structures</p>
<p>Life Cycle Analysis and Life Cycle Cost Analysis</p>	<p>Guns &amp; Roses: Conserving Ecologically and Culturally Significant Military Landscapes</p>	<p>Preservation of 19th Century Structural Design Procedures</p>	<p>Hurricane Damage and Conservation Challenges at Vizcaya Museum and Gardens, Miami, Florida</p>
	<p>Adaptive Use: Community Revitalization through Urban Agriculture</p>	<p>The Structural Investigation and Repair of the Breeding Barn at Shelburne Farms</p>	<p>Crude Oil Contamination of Fort Livingston, Grand Terre Island, Louisiana: Issues and Challenges</p>
	<p>Portsmouth Village: Revealing the Distant Past</p>	<p>Union Depot: Structural Assessment of Aging Timber Piles on the Banks of the Mississippi River</p>	<p>Conservation in the Time of Cholera: The Stabilization and Removal of the Murals at St. Trinite Cathedral in Port-Au-Prince Haiti</p>

**2:00-5:00 pm, Friday, October 14**

**Latin American Poster Session SAANICH**

**RT01—Sostenibilidad, Paisajes Culturales y Comunidades en América Latina: Perspectivas Regionales (Sustainability, Cultural Landscapes and Communities in Latin America: Regional Perspectives)**

# Agenda at a Glance

**Session Track Key:** **S**—Sustainability Track • **C**—Cultural Landscapes and Communities Track  
**B**—Buildings and Structures Track • **M**—Materials Track

## Monday, October 10

3:00–6:00 APT Registration and Information Desk

7:30a–8:00p APT Registration and Information Desk

8:30–4:30 Victoria Sustainability Symposium (*Salon C*)

7:30–8:00 APT Registration and Information Desk

8:00–4:00 APT Board of Directors Meeting (*Empress—The Library*)

8:30–4:30 Victoria Sustainability Symposium (*Salon C*)

1:15–5:00 CAHP Annual General Meeting and Keynote Speaker (*Sidney*)

3:00–4:30 John Adams Walking Tour: Victoria History 101 (*Empress—Main Lobby*)

3:30–5:30 APT College of Fellows Business Meeting (*Empress—Balmoral Room*)

4:45 Student Scholars and Mentors Gathering  
*(Totem Prefunction Area)*

5:00–10:00 Opening Gala in Exhibit Hall (*Crystal Garden*)

7:30–10:00 CAHP Tour and Heritage Awards Ceremony (*Odd Fellows Hall*)

## Thursday, October 13

6:30a–7:30p APT Registration and Information Desk

7:00–8:00 Breakfast with Exhibitors (*Empress—Kiplings*)

8:45–10:00 Opening Session and Keynote Speaker (*Lecture Theatre*)

10:15–Noon Paper Sessions

**Saanich**

**S** Sustainable Conservation:  
 Symposium Report and Building  
 Case Studies (CS01)

**Oak Bay**

**C** Cultural Landscape  
 as Community Heritage (CS02)

**Lecture Theatre**

**B** Conserving Maritime  
 Structures (CS03)

**Esquimalt**

**M** Materials Reacting to Water (CS04)



12:15–1:00	Lunch and Student Scholar Recognition ( <i>Empress—Crystal Ballroom</i> )			
1:00–1:30	APT Annual General Meeting ( <i>Empress—Crystal Ballroom</i> )			
12:30–1:15	CAHP Information Session ( <i>Sidney</i> )			
1:45–3:15	<b>Paper Sessions</b>	<b>Oak Bay</b>	<b>Esquimalt</b>	
	<b>Saanich</b>	<b>S</b> Connecting New Uses to Sustainable Ideas from the Past (CS08)	<b>B</b> Understanding Approaches for Preserving Landscape Features (CS07)	<b>C</b> People, Techniques and Technology (CS06)
		<b>M</b> Understanding Mortars		
		<b>S</b> Guidelines and Codes: Energy, Fire and Existing Building (CS09)	<b>B</b> Lighthouses: Maintaining and Repairing (CS11)	<b>C</b> Learning from the US Capitol Historic Landscape (CS10)
5:15–7:00	APT Student Scholarship and Outreach Committee Social ( <i>Empress—Balmoral Room</i> )			
5:15–7:00	<b>APT Committee Meetings</b>			
	TSCP ( <i>Saanich 1</i> )	TCPE ( <i>Lecture Theatre</i> )	TCMH ( <i>Saanich 2</i> )	Publications ( <i>Oak Bay 2</i> )
	Chapters Mixer ( <i>Bar and Banker Pub</i> )		Training & Education ( <i>Victoria</i> )	Chapters ( <i>Oak Bay 1</i> )
7:00–11:00	Union Club Tour ( <i>Union Club</i> )			
7:00–8:30	Canadian Conservation, Current Issues and Challenges over Beer ( <i>Empress Harbourside Room</i> )			
8:30–11:00	<b>Friday, October 14</b>			
6:30a–6:00p	APT Registration and Information Desk			
7:30–8:30	Chapters and New Members Breakfast ( <i>Empress—Kiplings</i> )			
8:45–10:30	<b>Paper Sessions</b>	<b>Oak Bay</b>	<b>Esquimalt</b>	
	<b>Saanich</b>	<b>M</b> Approaches for Slowing Deterioration (CS16)	<b>B</b> Conserving Coastal Forts and Sites for Exploration (CS15)	<b>C</b> Cultural Landscape: Scale and Diversity from World Heritage Sites—Gardens (CS14)
		<b>S</b> Life Cycle Assessment Research Results (CS17)	<b>B</b> Approaches to Structural Analysis and Repair (CS19)	<b>C</b> Managing Environmental Change and Cultural Landscapes (CS18)
		<b>M</b> Post-Disaster Salvage, Cleaning and Repair (CS20)		

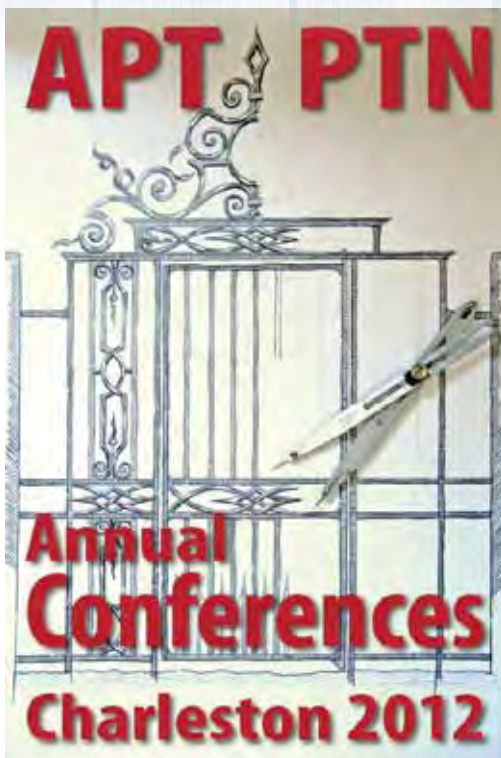
<b>12:30–5:30</b>	<b>Field Sessions</b>	St. Ann's Academy (FS1) <i>(Totem Prefunction Area)</i>	Victoria Waterfront (FS2) <i>(Saarich)</i>	Heritage Led Urban Revitalization (FS3) <i>(Totem Prefunction Area)</i>
<b>1:30–3:30</b>	John Adams Walking Tour: Cathedral Neighbourhood <i>(Empress–Main Lobby)</i>			
<b>2:00–5:00</b>	APT Latin America Chapter Poster Session <i>(Saarich)</i>			
<b>4:00–5:30</b>	John Adams Walking Tour: Chinatown <i>(Empress–Main Lobby)</i>			
<b>6:00–7:30</b>	College of Fellows Keynote Lecture <i>(Lecture Theater)</i>			
<b>7:45–9:30</b>	APT Awards Banquet and Auctions <i>(Empress—Crystal Ballroom)</i>			
<b>Saturday, October 15</b>				
<b>7:30a–9:00a</b>	APT Registration and Information Desk <i>(outside Oak Bay)</i>			
<b>7:00–8:00</b>	APT Board of Directors Meeting #2 <i>(Oak Bay 2)</i>			
<b>7:30a–7:30p</b>	Field Session: Vancouver Modern (FS7) <i>(Empress–Main Lobby)</i>			
	Meet at 7:15			
<b>8:30–4:30</b>	<b>Workshops, Day 1</b>	Masonry in a Marine Environment (WS1) <i>(Oak Bay 1)</i>	Structural Timbers (WS2) <i>(Saarich)</i>	
<b>8:30–4:30</b>	<b>Field Sessions</b>	Military Landscapes (FS4) <i>(Empress–Main Lobby)</i>	Cultural Landscape Management (FS5) <i>(Empress–Main Lobby)</i>	
<b>4:30–6:00</b>	Workshop Reception <i>(Irish Times Pub)</i>			
<b>Sunday, October 16</b>				
<b>7:30a–9:00a</b>	APT Registration and Information Desk <i>(Outside Oak Bay)</i>			
<b>8:30–4:30</b>	<b>Workshops, Day 2</b>	Masonry in a Marine Environment (WS1) <i>(Oak Bay 1)</i>	Structural Timbers (WS2) <i>(Empress–Main Lobby)</i>	

# APT Charleston 2012

September 30–October 3, 2012

Francis Marion Hotel  
Charleston, South Carolina

It is clear that collaboration is the driving force within preservation practice. At APT Charleston 2012, the Association for Preservation Technology International (APT) and Preservation Trades Network (PTN) are reuniting to explore the collaboration that is crucial to preserving our built environment. The program committees seek abstracts featuring projects that bring together divergent professionals from the preservation technologies and the preservation trades communities. Those that show a collaborative approach to preservation practice will be given priority.



**APT and PTN is seeking abstracts for their 2012 Annual Conferences**  
**Abstracts may be submitted online December 1, 2011—February 10, 2012**

**The Call for Abstracts can be picked up in the APT Registration and Information Area and online at [www.apti.org](http://www.apti.org). The electronic submission form is online at [www.apti.org](http://www.apti.org).**

**Association for Preservation Technology International**  
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[www.apti.org](http://www.apti.org)

