

APT DENVER 2010



*Layers across Time—
Preserving a Diverse Western Heritage*

APT Denver 2010

October 6-9, 2010

**Sheraton Denver Downtown Hotel
Denver, Colorado, USA**



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 Victoria 2011

The Fairmont Empress
October 11–16, 2011
Victoria, British Columbia, Canada

APT Charleston 2012

Francis Marion Hotel
September 30–October 3, 2012
Charleston, South Carolina, USA

APT Denver 2010 LOCAL CONFERENCE COMMITTEE

Natalie Feinberg Lopez, Built Environment Evolution (BEE)

Conference Committee Co-Chair; Workshops Committee Co-Chair

Melanie Short, SLATERPAULL Architects

Conference Committee Co-Chair; Field Sessions Committee Co-Chair; Special Events Committee Chair

Ron Anthony, Anthony & Associates, Inc.

Conference Committee Vice Chair; Program Committee Chair

Nan Anderson, Andrews & Anderson Architects

Fundraising Committee Co-Chair

Jenny Arndt, JVA Inc.

Field Sessions Committee Co-Chair

John Feinberg, The Collaborative, Inc.

Fundraising Committee Co-Chair

Christy Fockler, U S General Services Administration

Outreach Committee Chair

Anne McCleave, State Historical Fund, Colorado Historical Society

Publications/Marketing Committee Chair

Dave Woodham, Atkinson-Noland & Associates

Workshops Committee Co-Chair

Gretchen Pfaehler, EwingCole

APT Conferences Committee Co-Chair

John Diodati, Fournier Gersovitz Moss and Associate Architects

APT Conferences Committee Co-Chair

Tim Crowe, Wiss, Janney, Elstner Associates, Inc.

APT Training and Education Committee Co-Chair

Carl Elefante, Quinn Evans Architects

APT Training and Education Committee Co-Chair

Paul Gaudette, Wiss, Janney, Elstner Associates, Inc.

APT Fellow

Jill Gotthelf, Walter Sedovic Architects

APT Technical Committee on Sustainable Preservation Co-Chair

Harry Hunderman, Wiss, Janney, Elstner Associates, Inc.

APT-AIA HRC Liaison and APT Fellow

Deborah Slaton, Wiss, Janney, Elstner Associates, Inc

APT Fellow

Rachel Will, Wiss, Janney, Elstner Associates, Inc

APT Member

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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 Desk.

In an attempt to reduce paper distributed on site, you will find Conference information available for download at the APT Cyber Café (see page 25) and on line at www.aptconference.org.

CONTINUING EDUCATION CREDITS

APT is an approved provider for the following professional continuing education. Participation (CE) forms are available for each discipline at the APT Registration and Information Desk. Listings for workshops, field sessions, keynote sessions and paper sessions include a key to the number of contact hours available for each discipline.

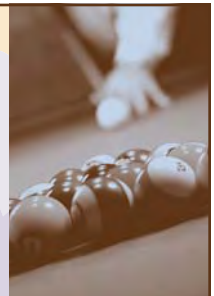
- American Institute of Architects learning units (AIA LUs)
- RCEP professional development hours (RCEP PDHs)
- Ontario Association of Architects CORE learning hours (OAA CORE)



APT Billiards Tournament

Saturday night at the Wynkoop Brewery

APT is hosting a billiards tournament at this year's Social. Hosted by Conference Co-Chair Melanie Short this tournament is for fun—and bragging rights! Register for the tournament at the APT Registration Desk in advance or add your name to the list on site. This is a fun-based (not skill-based) tournament so join in just for entertainment! (See page 26 for details.)



Agenda at a Glance

All events are at the Sheraton Denver Downtown Hotel unless otherwise noted.

Tuesday, October 5

8:30 am–5:00 pm	GSA Regional Preservation Officers Meeting, Day 1	Columbine
3:00–6:00 pm	APT Registration and Information Desk opens	Majestic Foyer

Wednesday, October 6

7:00 am–6:00 pm	APT Registration and Information Desk	Majestic Foyer
7:00–8:00 am	Continental Breakfast	Majestic Foyer
8:00 am–4:30 pm	Workshop: Foundations and Soils in Historic Preservation	Beverly
8:00 am–4:30 pm	Workshop: Cast Stone and Historic Concrete Rehabilitation	Vail
8:00 am–4:30 pm	Workshop: Envelope Performance Testing, Modeling and Monitoring	Central Presbyterian Church
8:30 am–4:30 pm	GSA Regional Preservation Officers Meeting, Day 2	Columbine
1:00–9:00 pm	APT Board of Directors Meeting	Governor's Square #14
4:30–6:00 pm	Workshop Reception	Majestic Ballroom
6:00 pm	Downtown Denver Dine Around	Meet in Majestic Foyer

Thursday, October 7

7:00 am–8:30 pm	APT Registration and Information Desk	Majestic Foyer
7:00–8:00 am	Continental Breakfast	Majestic Ballroom
8:00 am–3:30 pm	Field Session: Rocky Mountain National Park	Hotel Lobby
8:00 am–3:30 pm	Field Session: Mining Town Tour	Hotel Lobby
8:00 am–3:30 pm	Field Session: Fort Collins	Hotel Lobby
8:00 am–3:30 pm	Workshop: Foundations and Soils in Historic Preservation	Hotel Lobby
8:00 am–3:30 pm	Workshop: Cast Stone and Historic Concrete Rehabilitation	Vail
8:00 am–3:30 pm	Workshop: Envelope Performance Testing, Modeling and Monitoring	Beverly
8:00 am–3:30 pm	Symposium: Sustainability = Stewardship: Maintenance, Durability, and Life Cycle	Columbine
Noon–1:30 pm	Workshop/Symposium Lunch	Plaza Ballroom E
	HABS/AIA Peterson Awards Ceremony	
3:45 pm	APT Student Scholars and Mentor Gathering	Majestic Foyer
3:45 pm	Getty Foundation Guests & Hosts Gathering	Majestic Foyer
4:00–5:00 pm	Conference Opening Speaker	Viggio Theater at Sherman St. Event Center
5:00–8:30 pm	Exhibits Open	Majestic Ballroom
5:00–8:30 pm	Opening Gala—Exhibits and Dinner	Majestic Ballroom
8:45 pm	Chapters Mixer	Lime Restaurant

Friday, October 8

7:00 am–6:00 pm	APT Registration and Information Desk	Majestic Foyer
7:00–8:00 am	APT Technical Committee on Preservation Engineering	Beverly
7:00–8:00 am	APT Publications Committee	Capitol
7:00–8:00 am	APT Victoria 2011 Local Conference Committee	Biltmore
7:45 am–4:00 pm	Exhibits Open	Majestic Ballroom
7:45–10:15 am	Continental Breakfast in Exhibit Hall	Majestic Ballroom
8:15–9:45 am	Paper Sessions	Various Rooms
9:45–10:15 am	Break in Exhibit Hall	Majestic Ballroom
10:15–11:45 am	Paper Sessions	Various Rooms
11:45 am–4:00 pm	Lunch With Exhibitors and Silent Auction	Majestic Ballroom
12:45–5:00 pm	Field Session: Denver Federal Center	Hotel Lobby
1:00–4:00 pm	Field Session: Denver's Civic Center Historic District	Hotel Lobby
1:00–4:00 pm	Field Session: Downtown Denver Federal District	Hotel Lobby
1:15–3:15 pm	APT Latin American Chapter/PROTERRA Roundtable Discussion	Terrace
3:30–5:30 pm	UCD Open House	UCD campus
4:15–5:30 pm	APT Technical Committee on Preservation Engineering	Beverly
4:15–5:30 pm	APT Technical Committee on Modern Heritage	Columbine
4:15–5:30 pm	APT Technical Committee on Sustainable Preservation	Denver
4:15–5:30 pm	APT Training and Education Committee	Aspen Board Room
4:15–5:30 pm	APT Student Scholarships and Outreach Committee	Vail
4:15–5:30 pm	APT Chapters Committee	Terrace
4:15–5:30 pm	APT Publications Committee	Capitol
4:15–5:30 pm	APT Charleston 2012	Biltmore
4:15–5:45 pm	APT Conference Sustainability Track Presenters Meeting	Euclid Hall Bar and Kitchen
6:00–7:00 pm	College of Fellows Keynote Lecture	St Cajetan's Church
7:00–11:00 pm	Awards Banquet	Turnhalle Hall at Tivoli Student Union

Saturday, October 9

6:30 am–4:00 pm	APT Registration and Information Desk	Majestic Foyer
7:00–8:00 am	Chapters & New Members Breakfast	Majestic Ballroom
7:00–8:00 am	Coffee	Outside meeting rooms
8:00–9:30 am	Paper Sessions	Various Rooms
10:00–11:30 am	Paper Sessions	Various Rooms
11:45 am–1:15 pm	Lunch and Annual General Meeting	Majestic Ballroom
1:30–3:30 pm	Paper Sessions	Various Rooms
3:45–5:00 pm	APT Board of Directors meeting #2	Spruce
6:00–11:00 pm	APT Social	Wynkoop Brewery

Sunday, October 10

7:30–10:30 am	College of Fellows Business Meeting	Columbine
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Conference Schedule

Tuesday, October 5

8:30 am–5:00 pm
Columbine

GSA Regional Preservation Officers Meeting, Day 1

3:00–6:00 pm
Majestic Foyer

APT Registration and Information Desk

Wednesday, October 6

7:00 am–6:00 pm
Majestic Foyer

APT Registration and Information Desk

7:00–8:00 am
Majestic Foyer

Continental Breakfast



The workshops are paid for in part by a State Historical Fund grant from History Colorado, the Colorado Historical Society

8:00 am–4:30 pm
Beverly

Day 1: Foundations and Soils in Historic Preservation [WS1]

Ticket: Required

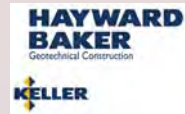
Format: Lecture and discussion

Food: Continental breakfast and lunch

Dress Code: Casual

AIA LUs	13.0
OAA CORE learning	13.0
RCEP PDHs	13.0

Workshop Coordinator: The APT Technical Committee on Preservation Engineering and Committee Co-Chair Tim Crowe, SE, RA, Wiss, Janney, Elstner Associates, Inc., Northbrook, IL, USA and Rachel Will, Wiss, Janney, Elstner Associates, Inc., Chicago, IL, USA



Sponsored in part by Hayward Baker and with In-Kind Donations by Wiss, Janney, Elstner Associates, Inc. and J.R. Harris & Company

8:00 am–4:30 pm
Vail

Day 1: Cast Stone and Historic Concrete Rehabilitation [W2]

Ticket: Required

Format: Lecture and discussion

Food: Continental breakfast and lunch

Dress Code: Casual

AIA LUs	13.0
OAA CORE learning	13.0
RCEP PDHs	13.0

Workshop Coordinator: Paul Gaudette, Wiss, Janney, Elstner Associates, Inc., Chicago, IL, USA

Dine Around—Sign Up for Tonight's Dinner!

MIX AND MINGLE with other conference attendees by signing up to attend dinner on Wednesday evening. Choose your restaurant at the APT Registration and Information Desk. (See page 7 for details.)

Wednesday, October 6 (continued)

8:00 am–4:30 pm

*Fellowship Hall
Central Presbyterian
Church
1660 Sherman St.*

Day 1: Envelope Performance Testing, Modeling and Monitoring [WS3]

AIA LUs	13.0
OAA CORE learning	13.0
RCEP PDHs	13.0

Ticket: Required

Format: Lecture, discussion and hands-on demonstrations

Food: Continental breakfast (pick up in Majestic Foyer before you leave) and lunch in the field

Dress Code: Casual

Transportation: Walk; meet at the church by 7:50 am

Directions: Exit the hotel lobby on Court Place and turn right. Go 1½ blocks to 17th Street; bear right onto 17th, then go two blocks to Sherman Street. On the Sherman Street side of the church there is a large bank of doors. Just to the south of the glass doors is a double glass doorway. Enter that doorway and take the stairway down to Fellowship Hall.

Workshop Coordinators: APT Technical Committee on Sustainable Preservation and Committee Co-Chair Jill Gotthelf, AIA, Walter Sedovic Architects, New York, NY, USA; and APT Training and Education Committee and Committee Co-Chair Carl Elefante, AIA LEED AP, Quinn Evans Architects, Washington, DC, USA



Sponsored by the National Center for Preservation Technology and Training (NCPTT)

8:30 am–4:30 pm

Columbine

GSA Regional Preservation Officers Meeting, Day 2

1:00–9:00 pm

Governor's Square #14

APT Board of Directors Meeting

4:30–6:00 pm

Majestic Ballroom

Workshop Reception

Workshop attendees and speakers are invited for a drink and nibble before dining in downtown Denver.

6:00 pm

Majestic Foyer

Downtown Denver Dine Around

Ticket: None required

Format: Dinner with a small group; Dutch treat (pay for your own order)

Dress Code: Casual

Transportation: Walk, free 16th Street MallRide Shuttle or taxi

Sign up early to join a member of the Local Conference Committee and a few other Conference delegates at the host's favorite restaurant. You will be able to mix and mingle while enjoying a fabulous restaurant. Sign up early at the APT Registration and Information Desk. The restaurants will represent diverse cuisines, price points and locations. Look for your host holding a sign in the Majestic Foyer immediately following the reception. You will depart as a group.

Thursday, October 7

7:00 am–8:30 pm
Majestic Foyer

APT Registration and Information Desk

7:00 - 8:00 am
Majestic Ballroom

Continental Breakfast



Field Sessions are paid for in part by a State Historical Fund grant from History Colorado, the Colorado Historical Society

8:00 am–3:30 pm
Gather in hotel lobby
by 7:45 am

Field Session: Rocky Mountain National Park [FS1]

Ticket: Required

AIA LUs	6.0
OAA CORE learning	6.0
RCEP PDHs	0

Format: Charter bus and 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, closed-toe walking shoes

8:00 am–3:30 pm
Gather in hotel lobby
by 7:45 am

Field Session: Mining Town Tour [FS2]

Ticket: Required

AIA LUs	6.0
OAA CORE learning	6.0
RCEP PDHs	0

Format: Charter bus, train and 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, closed-toe walking shoes

8:00 am–3:30 pm
Gather in hotel lobby
by 7:45 am

Field Session: Fort Collins, One of America's Top Ten Preservation Cities [FS3]

Ticket: Required

AIA LUs	6.0
OAA CORE learning	6.0
RCEP PDHs	0

Format: Charter bus and 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, closed-toe walking shoes

8:00 am–3:30 pm
Gather in hotel lobby
by 7:45 am

Workshop: Foundations and Soils in Historic Preservation [WS1]

Ticket: Required

Format: Charter bus and walking

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

Dress Code: Casual, with good, closed-toe walking shoes

8:00 am–3:30 pm
Vail

Workshop: Cast Stone and Historic Concrete Rehabilitation [WS2]

Ticket: Required

Format: Lecture and hands-on learning

Food: Continental breakfast (in meeting room) and lunch

Dress: Casual

Thursday, October 7 (continued)

8:00 am–3:30 pm
Beverly

Workshop: Envelope Performance Testing, Modeling and Monitoring [WS3]

Ticket: Required

Format: Lecture and discussion

Food: Continental breakfast (in meeting room) and lunch

Dress Code: Casual

8:00 am–3:30 pm
Columbine

Symposium: Sustainability = Stewardship: Maintenance, Durability, and Life Cycle [SY1]

Ticket: Required

Format: Lecture and discussion

Food: Continental breakfast and lunch

Dress Code: Casual



Sponsored by General Services Administration and the AIA Historic Resources Committee



Noon–1:30 pm
Plaza Ballroom E

Workshop/Symposium Lunch and HABS/AIA Peterson Awards Ceremony

Ticket: Required

Food: Plated lunch

Dress Code: Casual

This event will serve two exciting purposes—an opportunity to network with other workshop and symposium participants and an occasion to celebrate the achievements of student work.

The Charles E. Peterson Awards for the best student record drawings submitted to the HABS Collection in the Library of Congress will be presented at this event. The jury is composed of representatives of the American Institute of Architects, the National Park Service, and the Athenaeum of Philadelphia, the trustee of the Peterson Endowment. The ceremony will include a selected showing of the winning projects and celebrate the winning teams and the faculty directors.

3:45 pm
Majestic Foyer

APT Student Scholars and COF Mentor Gathering

3:45 pm
Majestic Foyer

Getty Foundation Guests & Hosts Gathering

Thursday, October 7 (continued)

4:00–5:00 pm

The Viggio Theater
Sherman St.
Event Center
1770 Sherman St.

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

5:00–8:30 pm

Majestic Ballroom

FS01—Conference Opening Speaker

Format: Lecture

Food: None

Dress Code: Casual

Transportation: Walk about four blocks

Directions: Exit the hotel lobby on Court Place and turn right. Go 1½ blocks to 17th Street; turn right. Go two blocks to Sherman Street, turn left and go one block to 18th Street. The Event Center is on your right.

Preservation Technology: Perils and Possibilities

John A. Ochsendorf is a structural engineer who works to preserve historic structures and to reinterpret traditional technologies for contemporary use. He directs a research program in historic masonry structures at the Massachusetts Institute of Technology, where he is an Associate Professor of Civil Engineering and Architecture.

Sponsored in part by Sherman St Event Center

Following the Opening Session, head back to the APT Exhibit Hall for our Opening Gala.

Opening Gala—Exhibits and Dinner

Ticket: Required

Format: Social

Food: Food stations featuring local specialties; beverages

Dress Code: Casual

A familiar event featuring a new twist! APT celebrates the opening of this year's Conference featuring a Gala with highlights that you will enjoy throughout the evening and throughout the exhibit hall.

Highlights

- Progressive eating—new food debuted throughout the evening (you'll love the dessert when you see it!)
- Specialty food (bison burger anyone?)—this will be more than enough for your dinner
- One-on-one time with exhibitors
- Student Scholarship Silent Auction tables
- Surprise prizes—be there to win!

Silent Auction for Student Scholarships

Auction items will be placed on small tables throughout the exhibit hall and in the foyer near the APT booth. Bids are accepted until 4:00 pm, Friday. Winning bids will be posted near the APT Registration and Information Desk that afternoon. You can pay for and pick up our item until 3:00 pm, Saturday. Funds support the 14 Student Scholars from around the country and Belgium who are giving short presentations and participating in the Conference. (see page 26)

AIA LUs	1.0
OAA CORE learning	1.0
RCEP PDHs	0



Thursday, October 7 (continued)

8:45 pm

Lime

An American Cantina

1414 Larimer St

Chapters Mixer

Ticket: None required

Format: Social

Food: Dutch treat (pay for your own order)

Dress Code: Casual

Transportation: Walk one mile; ride free 16th Street MallRide Shuttle or taxi. Meet in hotel lobby if you want to walk with a group.

Directions: Walking: Exit hotel, turn right on Court Place. Turn left on 16th Street. Go 10 blocks to Larimer Street and turn left and walk two blocks. Lime is in the Larimer Square, a one block historic district. MallRide: Step on the shuttle outside hotel; step off at Larimer Street, turn left and walk two blocks.

Following the Opening Gala, everyone is invited to join APT Chapter members as they gather for socializing at this restaurant that sits in Denver's Historic Larimer Square. As the Mile High City's oldest and most historic block, its buildings tell the story of the birth and early years of Denver.

Friday, October 8

7:00 am–6:00 pm

Majestic Foyer

APT Registration and Information Desk

7:00–8:00 am

APT Committee Meetings

APT Technical Committee on Preservation Engineering • *Beverly*

APT Publications Committee • *Capitol*

APT Victoria 2011 Local Conference Committee • *Biltmore*

7:45 am–4:00 pm

Majestic Ballroom

Exhibits Open

7:45–10:15 am

Majestic Ballroom

Continental Breakfast in Exhibit Hall

Paper Sessions

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

Metals—[CS01]

Track: Materials

Session Chair: Gheda Gayou, State Historical Fund,
Colorado Historical Society, Denver, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	0

8:15-9:45 am

Vail

Lightning Protection as a Historic Building Technology

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

Challenges in Preserving Art and Architectural Metal Finishes

Mark Rabinowitz, Fellow of AIC, and Justine Bello, Conservation Solutions, Inc., Santa Fe, NM, USA

Friday, October 8 (continued)

8:15-9:45 am
Denver

Philadelphia Museum of Art Exterior Envelope Renovations: A Tale of Two Metals

Michael Holleman, AIA, and Nan Gutterman, AIA, VITETTA Architects & Engineers, Philadelphia, PA, USA

Sullivan's Carson Pirie Scott: A Case Study in Cast Iron Facade Restoration

Timothy Scovic, Assoc AIA, Harboe Architects, PC, Chicago, IL, USA; and Robert Score, AIA, Harboe Architects, PC & President, APT Western Great Lakes Chapter, Chicago, IL, USA

Uncle Sam's Log Cabins: Federal Stewardship of Vernacular Log Structures—[CS02]

Track: Structures

Session Chair: Tom McGrath, Jr., National Park Service, Frederick, MD, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

Preserving and Maintaining Historic Structures in a National Park

Bill Thompson, Rocky Mountain National Park, Estes Park, CO, USA

Western Log Architecture, Strategies for Preserving, Planning and Adaptive use at White Grass Ranch

James McDonald, AIA, White Grass Ranch Rehabilitation, Missoula, MT, USA; and Craig Struble, NPS Western Center for Historic Preservation, Grand Teton National Park, Moose, WY, USA

Assessing and Conserving Log Structures

Kirby Mathew, US Forest Service, Missoula, MT, USA; and Dean Wigfield, NPS-Historic Preservation Training Center, Frederick, MD, USA

8:15-9:45 am
Terrace

Growth of the West and Beyond—Communities— [CS03]

Track: Growth of the West

Session Chair: Elizabeth Hallas, AIA, Andrews & Anderson Architects, PC, Golden, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	0

Growth of the West: Cultural Landscapes as Layered Histories

Carrie Mardorf, ASLA, National Park Service, Santa Fe, NM, USA

Patología de la construcción con tierra: daños frecuentes y criterios para una conservación sostenible / Pathology of the Building with Earth, Frequent Damage and Criteria for Sustainable Conservation

Ignacio Javier Gil Crespo and Javier de Cárdenas y Chávarri, PhD, Fundación Diego de Sagredo, Madrid, Spain

Where East Meets West, The Californian Ranch Precinct of Hamilton East

Ian Bowman, B.A, B.Arch., MA Conservation Studies, FNZIA, Practice of Ian Bowman architect and conservator, Wellington, New Zealand

Friday, October 8 (continued)

8:15-9:45 am
Columbine

Preserving Industrial Heritage: An Inventory of Industrial Structures in Zonguldak

Aysem Kilinc Unlu, Master of Science, University of Pennsylvania, Hatboro, PA, USA

Documentation—[CS04]

Track: Sustainability

Session Chair: Jane Crisler, LEED AP, Humphries Poli Architects, P.C., Denver, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

Rediscovering An American Master: An Examination And Analysis Of Robert Chanler's Decorative Plaster Ceiling In The Gertrude Whitney Studio, NY

Lauren Drapala, Masters of Science, University of Pennsylvania, Philadelphia, PA, USA

3D Laser Scanning and Digital Historic Preservation

Tom Keohan, National Park Service, Lakewood, CO, USA; and Ekaterini Vlahos, University of Colorado at Denver, Denver, CO, USA

Adoption of Tacheometric Survey in Combination with BIM and CAD/CAM Technology for Large Gothic Revival Window (Circa 1900) Replacement

Gregory MacNeil, B.A., BEDS., M Arch.; and Jerry MacNeil Architects Limited, Halifax, NS, Canada

Using High Density Lidar and Three Dimensional Gis in Historical Preservation and Resource Documentation at the Abo Painted Rocks Pictograph Site

Derek Toms, National Park Service, Mountainair, NM, USA; and Domenick Alario, GIS/LiDAR Specialist, HDR, Fairfax, VA, USA

9:45-10:15 am
Majestic Ballroom

Break in Exhibit Hall

Paper Sessions

10:15-11:45 am
Vail

Mortar—[CS05]

Track: Materials

Session Chair: Gheda Gayou, State Historical Fund, Colorado Historical Society, Denver, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

The Characterization of Historic Lime Mortars with a Focus on Provenance

Dorn Carran, Bsc, MA, University of the West of Scotland, Renfrewshire, United Kingdom

Lime-based Consolidation of Historic Mortars and Stones

Milo Drdácáký, Dipl.Ing.PhD.DrSc and Zuzana Slížková, Dipl.Ing.Ph.D., Institute of Theoretical and Applied Mechanics of the Academy of Sciences of the Czech Republic, Praha, Czech Republic

Friday, October 8 (continued)

Comparative Laboratory Evaluation of Conservation Mortars

Jennifer Schork, Integrated Conservation Resources, New York, NY, USA; and Norman R Weiss, FAPT, Integrated Conservation Resources and Columbia University GSAPP, New York, NY, USA

ASTM C1713: A New Mortar Specification for Historic Masonry

John Wathne, PE, Structures North Consulting Engineers, Inc., Salem, MA, USA; Margaret Thomson, PhD, Lhoist North America, Henderson, NV, USA; and Michael Schuller, PE, President, Atkinson-Noland & Associates, Inc. Boulder, CO, USA

Diagnostics—[CS06]

Track: Structures

Session Chair: Anne McCleave, State Historical Fund, Colorado Historical Society, Denver, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

10:15-11:45 am
Terrace

Battersea: an Interior Finishes Analysis of an 18th Century Palladian Home

Kirsten Travers, BFA, MS in progress, Winterthur University of Delaware Program in Art Conservation, Wilmington, DE, USA

Dinosaur National Monument Visitor Center Rehabilitation and Replacement

David Anderson, AIA, LEED AP, Andrews & Anderson Architects, PC, Golden, CO, USA; and Daniel Cooke, PE, JVA, Inc., Boulder, CO, USA

Diagnostics and Analysis for Historic Stone Retaining Walls

Carlo Citto and Michael Schuller, PE, Atkinson-Noland & Associates, Inc., Boulder, CO, USA; and John Feinberg, The Collaborative, Inc., Boulder, CO, USA

La Reconstrucción Volumétrica y Consolidación Estructural del Templo de San Ignacio en Bogotá / The Volumetric Recomposition and Structural Consolidation of Bogota's San Ignacio Temple

Gloria Mercedes Zuloaga Lozada, Pontificia Universidad Javeriana, Bogotá, Colombia

Growth of the West and Beyond—Structures [CS07]

Track: Growth of the West

Session Chair: Elizabeth Hallas, AIA, Andrews & Anderson Architects, PC, Golden, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

10:15-11:45 am
Denver

History and Conservation of Early Electrical Systems in American Buildings

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

Friday, October 8 (continued)

Preserving the Modern Ranch: The Pitchfork in Wyoming

Scott Demel, RA, LEED-AP, Rogers Marvel Architects, New York, NY, USA

Hedley Mascot Mine Camp Stabilization

Barry McGinn, PE, MAIBC, MSc Historic Preservation, McGinn Engineering & Preservation Ltd., Vancouver, BC, Canada

Built for Destruction: The Apple 2 Houses at the Nevada Test Site

Nancy Goldenberg, RA, LEED-AP, Carey & Co., Inc Architecture, San Francisco, CA, USA

Where Are We Going?—[CS08]

Track: Sustainability

Session Chair: Jane Crisler, LEED AP, Humphries

Poli Architects, P.C., Denver, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	0

10:15-11:45 am
Columbine

Sustainability and Preservation: Making Policy an Initiative of the Friends of NCPTT and the National Trust for Historic Preservation

John Anderson, SE, Robert Silman Associates, Structural Engineers, New York, NY, USA

Toward a Greater Understanding of How Preservation Addresses the Needs of a Sustainable Built Environment

Robert Young, FAPT, University of Utah, Salt Lake City, UT, USA

The Intersection of Sustainability and Preservation in Europe

Tina Roach, AIA, LEED AP, Quinn Evans | Architects, Washington, DC, USA; and Douglas Gilbert, AIA, Douglas E Gilbert, Architect, Oak Park, IL, USA

11:45 am–4:00 pm
Majestic Ballroom

Lunch, Networking and Silent Auction in Exhibit Hall

Ticket: Name badge required

Format: Networking, bidding and eating

Food: Lunch served 11:45 am–12:30 pm

Dress Code: Casual

Enjoy a portable lunch that will be served beginning at 11:45. You can place your final Student Scholarship Auction bids until 4:00 pm. Auction winners will be posted in the Majestic Foyer shortly thereafter. You can stop by the APT Registration and Information Desk to pay for and pick up your fabulous items this afternoon and any time before 4:00 pm, Saturday.

Friday, October 8 (continued)



Field Sessions are paid for in part by a State Historical Fund grant from History Colorado, the Colorado Historical Society

12:45–5:00 pm
Gather in hotel
lobby by 12:30 pm

Field Session: Behind the Scenes at the Denver Federal Center—Ice Lab, Hydraulics Lab, Materials Engineering and Research Lab [FS5]

Ticket: Required

AIA LUs	3.0
OAA CORE learning	3.0
RCEP PDHs	0

Format: Charter bus and walking tour

Dress Code: Casual, with good walking shoes; warm jacket and gloves for ice core lab tour. Lab is 30 degrees below zero!

Additional requirements: NO cameras; be prepared to pass through airport-type scanner

US citizens—government-issued identification is required to enter the Federal Center and each Lab Building.

Non-US citizens—passport is required. You must have submitted your name, passport number and date of birth to APT by September 23.

CAUTION: Diabetics and others with possible health issues not recommended on this tour due to extreme temperature exposure.

1:00–4:00 pm
Gather in hotel
lobby by 12:45 pm

Field Session: Denver's Civic Center Historic District [FS4]

Ticket: Required

AIA LUs	3.0
OAA CORE learning	3.0
RCEP PDHs	0

Format: Walking tour

Dress Code: Casual, with good walking shoes

1:00–4:00 pm
Gather in hotel
lobby by 12:45 pm

Field Session: Downtown Denver Federal District [FS6]

Ticket: Required

AIA LUs	3.0
OAA CORE learning	3.0
RCEP PDHs	0

Format: Walking tour

Dress Code: Casual, with good walking shoes

1:15–3:15 pm
Terrace

APT Latin American Chapter/PROTERRA Roundtable Discussion

Ticket: None required

Format: Roundtable discussion

Food: None

Dress Code: Casual

The discussion, which will involve the audience, will be simultaneously interpreted Spanish <>English and will be enriched by the participation of professionals from all over the world.

Earthen Architecture in Latin America: A Roundtable Discussion

hosted by the newly formed APT Latin America Chapter and the PROTERRA Network*, will explore preservation technology practices in Latin America, with a focus on earthen architecture issues.

Panelists:

Mónica Bahamondez, Centro Nacional de Conservación y Restauración, Santiago, Chile

Luis Guerrero, PhD, Universidad Autónoma Metropolitana- Xochimilco, México City, D.F., México

Célia Neves, Rede Ibero-americana PROTERRA, Rede TerraBrasil and CN Consultoria, Brazil

Friday, October 8 (continued)

Mirta Sosa, University of Tucuman, Argentina, San Miguel de Tucumán, Tucumán, Argentina

Marco Rezende, PhD, Federal University of Minas Gerais, Brazil

Andrés Gaviria, Universidad Javeriana, Bogotá, D.C., Columbia

Led by the APT LA Chapter president, Andrés Gaviria (Colombia) and Mexican PROTERRA President, Luis Guerrero Baca, the pair will host a discussion with key members of the PROTERRA Network and recipients of the Getty Travel Support Funds.

*The PROTERRA Network is a multilateral international project and technical cooperative whose focus is the dissemination of earth construction technologies within productive sectors to impact the social policies of Latin American countries. PROTERRA has more than 100 members including universities, research centers and companies from 17 Latin American countries.

3:30–5:30 pm
*Dean's Gallery and
Octagon in the
UCD Building
3rd Floor
1250 14th St*

Open House at the Center of Preservation Research and College of Architecture and Planning at the University of Colorado-Denver, featuring the Center of Preservation Research

Ticket: None required

Format: Social

Food: Hors d'oeuvres and beverages

Dress Code: Casual

Transportation: Walk, free 16th Street MallRide Shuttle or taxi

Directions: Walking: Exit hotel and turn left on 16th Street. Go 10 blocks to Larimer Street and turn left. Go two blocks to the UCD Building, which is on the corner of 14th and Larimer streets. MallRide: Step on the shuttle outside hotel; step off at Larimer Street and turn left. Go two blocks to the UCD Building, which is on the corner of 14th and Larimer streets.

UCD is the only university in Colorado with a combined historic preservation, public history, design, and technology educational presence. It offers a graduate certificate in historic preservation. A Master of Science in Historic Preservation is being offered for the first time this semester.

Your hosts, faculty and students in the preservation programs, invite you to stop by on your way to the College of Fellows lecture. They will be available to discuss the research and projects they will have on display, as well as preservation education and historic preservation in Colorado and elsewhere.

Following the Open House, you can easily move on to the COF Lecture on the Auraria Campus. Exit the UCD building through the main entrance and turn right toward Lawrence Street. Turn right on Lawrence Street. Follow Lawrence Street straight, across Speer Boulevard, onto the Auraria Campus. St Cajetan's will be ahead on your left.

Friday, October 8 (continued)

4:15–5:30 pm

APT Committee Meetings

APT Technical Committee on Preservation Engineering • *Beverly*
APT Technical Committee on Modern Heritage • *Columbine*
APT Technical Committee on Sustainable Preservation • *Denver*
APT Training and Education Committee • *Aspen Boardroom*
APT Student Scholarships and Outreach Committee • *Vail*
APT Chapters Committee • *Terrace*
APT Publications Committee • *Capitol*
APT Charleston 2012 Local Conference Committee • *Biltmore*

4:15–5:45 pm

*Off Site: Euclid
Hall Bar and Kitchen*

APT Conference Sustainability Track Presenters Meeting

A gathering for the Session Chair and speakers presenting in the Sustainability Track.

6:00–7:00 pm

*St Cajetan's Church
on the Auraria
Campus*

College of Fellows Keynote Lecture

Ticket: None required

Format: Lecture

Food: None

Dress Code: Casual

Transportation: free 16th Street MallRide Shuttle, pedicab or taxi

Directions: MallRide: Exit hotel and cross street to shuttle stop. Take the free 16th Street MallRide Shuttle to the Lawrence Street stop. Cross 16th street and walk southwest for eight blocks. You will cross Speer Blvd and be on campus for approximately half of the walk. The church is located at Lawrence Way (pedestrian only) and 7th Street. Pedicab: Look for pedicabs on the 16th Street Mall. A fee will be charged.

AIA LUs	1.0
OAA CORE learning	1.0
RCEP PDHs	0

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

Beyond Preservation Technology: Completing our Heritage Toolkit for the 21st Century

Gustavo Araoz, AIA, is the first American ever elected to the office of president of the International Council on Monuments and Sites (ICOMOS). Born in Cuba, Mr. Araoz is a preservation architect by training. His career combines professional practice, academia, and institutional management. He has served as Executive Director of the United States Committee of ICOMOS since 1995. From 2002, he served as International Vice President of ICOMOS, spearheading organizational reforms and advocating greater engagement of ICOMOS members worldwide.

Live Auction for Student Scholarships — at the Banquet

Take home fabulous items with your generous bidding. Student Scholars will assist with getting the best bids from the crowd—hope it's you! Funds support the 14 Student Scholars from around the country and Belgium who are giving short presentations and participating in the Conference. (see page 26)



Friday, October 8 (continued)

7:00–11:00 pm
Turnhalle Hall at
Tivoli Student Union
on the Auraria
Campus

Awards Banquet

Ticket: Required

Format: Reception followed by banquet and awards ceremony

Food: Beverages, light hors d'oeuvres, dinner

Dress Code: Dinner (jacket, but not tux)

Transportation: 16th Street MallRide Shuttle, pedicab or taxi

Directions: From the COF Lecture at St Cajetan's: Leave the venue and head west one block to Larimer (pedestrian only). Turn toward downtown (right) and walk past the Tivoli to the northeast corner entrance. Enter this door; the Turnhalle will be directly in front of you across the hall.

From the hotel: Exit hotel and cross street to shuttle stop. Take the free 16th Street MallRide Shuttle to the Larimer Street stop. Turn left and walk southwest for approximately six blocks. You will cross over Speer Blvd and be on campus—the Tivoli is directly ahead of you. The Turnhalle is immediately to the right of the entrance facing Speer Blvd and has good directional signage.

Saturday, October 9

6:30 am–4:00 pm
Majestic Foyer

APT Registration and Information Desk

7:00–8:00 am
Majestic Ballroom

Chapters & New Members Breakfast

Ticket: Required

Format: Buffet and presentations by APT Chapters Committee members

Food: Breakfast

Dress Code: Casual

All APT Chapter members and New Members are invited to gather for breakfast to eat, network and learn about chapter activities.

7:00–8:00 am
Outside Meeting
Rooms

Coffee

8:00–9:30 am
Vail

Paper Sessions

Problems and Solutions—[CS09]

Track: Materials

Session Chair: Shan Wo, EIT, Atkinson-Noland & Associates, Inc., Boulder, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

Lasers and Conservation in the USA: An Exploration of the Limited Use of Laser Technologies for Cleaning Stone

Catherine Smith, BA, MS (2010), Columbia University, New York City, NY, USA

Let's Call a Spall a Spall

Evan Kopelson, Vertical Access LLC, Ithaca, NY, USA

Saturday, October 9 (continued)

8:00-9:30 am
Terrace

Comparative Study of Commercially Available Paint Strippers for Use on Historic Brick

Sarah Jackson, National Center for Preservation Technology and Training, Natchitoches, LA, USA

Slate: A Traditional Material with Modern Expectations What Can Go Wrong?

Annabelle Radcliffe-Trenner, Historic Building Architects LLC, Trenton, NJ, USA

Rehabilitation, Renovation and Preservation— [CS10]

Track: Structures

Session Chair: Dan Worth, AIA, BVH Architects, Omaha, NE, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

Evaluation of Past Preservation Treatments

Payal Vora, BS in Materials Engineering, University of Texas at Austin, Austin, TX, USA

Rehabilitating the Cave and Basin National Historic Site, Banff National Park, Alberta, Canada

Julia Gersovitz, FAPT, Fournier Gersovitz Moss & Associates, Montreal, QC, Canada

Modern Continuity: The Magnolia Branch Library Renovation and Addition

David Strauss, PhD, SHKS Architects and University of Washington, Seattle, WA, USA

Go West, Young Hypar! Milo S. Ketchum and Concrete Thin Shells in Colorado

Thomas Boothby, PhD and M Kevin Parfitt, PE, Penn State University, University Park, PA, USA

8:00-9:30 am
Denver

Growth of the West and Beyond—Regional—[CS11]

Track: Growth of the West

Session Chair: Barb Darden, Scheuber + Darden Architects LLC, Aurora, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	0

The Preservation of Barns in Routt County, Colorado

Arianthé Stettner, MAHP(in process) MBA, BA cum laude, Goucher College, Steamboat Springs, CO, USA

Ranches on the Texas Llano Estacado: Building Construction Traditions

Elizabeth Loudon, PhD, Texas Tech University, Lubbock, TX, USA

Saturday, October 9 (continued)

8:00-9:30 am
Columbine

Mississippi Longleaf Yellow Pine: Its Use by H.H. Richardson and Louis Sullivan and the Conservation of the Charnley-Norwood Cottage

John Waite, FAIA, FAPT and Clay S Palazzo, AIA, LEED, John G Waite Associates, Architects, Albany, NY, USA

The Rangers' Club: The House that Mather Built

George Jaramillo, Yosemite National Park, El Portal, CA, USA

Sustainability and Preservation—[CS12]

Track: Sustainability

Session Chair: Linda Purcell, AIA, architecture PML, Denver, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	0

Old Debate, New Considerations: Restoration of an Early 20th Century Texas Landscape

Jennifer Minner, MURP, University of Texas at Austin, Austin, TX, USA

A Sustainable Approach to Conservation—Hardman Farm

Susan Turner, AIA, LEED AP and Tom Butler, LEED AP BD+C, Lord Aeck & Sargent Architecture, Atlanta, GA, USA

Trains and Training: The Design and Rehabilitation of Montezuma Castle, Las Vegas, New Mexico

Christopher Tavener, AIA, LEED AP, and Mark Thaler, AIA, EYP/Architecture and Engineering, P.C, Albany, NY, USA

Heritage Preservation Engineering Curricula

Douglas Porter and Jeffrey S Marshall, University of Vermont, Burlington, VT, USA

9:30-10:00 am

Break

Paper Sessions

10:00-11:30 am
Vail

Brick and Terra Cotta—[CS13]

Track: Materials

Session Chair: Shan Wo, EIT, Atkinson-Noland & Associates, Inc., Boulder, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

What We Use to Build: Cream City Brick

Christopher Ciesielski, Master of Science in Historic Preservation, School of the Art Institute of Chicago, Chicago, IL, USA

Soft Brick, Undercover and Exposed: A Conservation Challenge

Jorge Ortiz-Colom, M Arch, Instituto de Cultura Puertorriqueña, Guayama, PR, Puerto Rico; and Miguel Vergara-Gascot, BSc, Master Paints & Coatings Corporation, Guayanilla, PR, Puerto Rico

Saturday, October 9 (continued)

10:00-11:30 am
Terrace

Glazed and Confused: Issues with Durability of Glazed Architectural Terra Cotta

Xsusha Flandro, MS-Historic Preservation, Jablonski Building Conservation & Columbia University, New York, NY, USA

The Use of Calibrated Digital Photography to Match and Evaluate Color Differences in Masonry Repairs

John Harry, John E Harry, Restoration Services, Allentown, PA, USA; and Michael Edison, Edison Coatings, Inc., Plainville, CT, USA

Vernacular Construction—[CS14]

Track: Structures

Session Chair: Dan Worth, AIA, BVH Architects, Omaha, NE, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

The Byrne-Reed House: Layers of History Revealed through Layers of Paint.

Hannah Meyer, BA, Texas Tech University, Austin, TX, USA

Structural Assessment of the Thomas Moran House—Issues with Eclectic, Vernacular Construction

Edmund Meade, PE, Robert Silman Associates, Structural Engineers, New York, NY, USA

Selectively Preserving: The Thomas Hill Studio

George Jaramillo, Yosemite National Park, El Portal, CA, USA

Adobe Construction at Fort Lyon, Colorado

Fred Rutz, PE, SE, PhD, JR Harris & Company, Denver, CO, USA; and Gary Petri, AIA, SLATERPAULL Architects, Inc., Denver, CO, USA

10:00-11:30 am
Denver

Spanish Missions in the West—[CS15]

Track: Growth of the West

Session Chair: Barb Darden, Scheuber + Darden Architects LLC, Aurora, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

Evaluating the Layers of Restoration at Mission San Antonio de Padua

Catherine Vieth, LEED AP, Architectural Resources Group, San Francisco, CA, USA

Investigation of Decoratively Painted Structural Wood at Mission San Miguel Arcángel, California

Douglas Porter, University of Vermont, Burlington, VT, USA; and Kim Dugan, Anthony & Associates, Fort Collins, CO, USA

Mission San Miguel Chapel: A Painted Wood Ceiling Restored

Sylvia Schweri, MA, Chattel Architecture Planning and Preservation, Inc., Los Angeles, CA, USA

Saturday, October 9 (continued)

10:00-11:30 am
Columbine

Topics in Sustainability—[CS16]

Track: Sustainability

Session Chair: Linda Purcell, AIA, architecture PML,
Denver, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	0

Opening a Window for Preservation with Life Cycle Assessment—Quantifying the Sustainability of Preservation

Katherine Switala Elmhurst, LEED AP, Temple University, Wallingford, PA, USA

Historic Lighting Restoration: Lighting The Way For Another Hundred Years

Peter Janko, Lumenelle, Inc., Marengo, IL, USA

Energy Efficiency and Preservation of Small Scale Midwestern Main Street Commercial Heritage

Ulrike Passe, Dipl.-Ing Architect BDA, Iowa State University, Ames, IA, USA

Sustainably Conserving the Heritage of the Past for the Occupant of the Future—A Case Study of The Hudson

John Dam, P.Eng., LEED AP, Read Jones Christoffersen Ltd., Victoria, BC, Canada

11:45 am–12:30 pm
Majestic Ballroom

Professional Research Travel Program to Cuba

This informational session will introduce APT's ten-day program scheduled for February 2011, which is open to full-time preservation and conservation professionals. Tables will be reserved at lunch for those with a ticket (\$10). Seating will be available for those without a lunch ticket.

11:45 am–12:30 pm
Majestic Ballroom

Lunch

Ticket: Required

Format: Informal networking

Food: Lunch

Dress Code: Casual

12:30–1:15 pm
Majestic Ballroom

APT Annual General Meeting

Paper Sessions

1:30-3:30 pm
Vail

Masonry—[CS17]

Track: Materials

Session Chair: Shan Wo, EIT, Atkinson-Noland & Associates, Inc., Boulder, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

The Sandstone Masonry at Durham Castle: Alveolar Erosion and Possible Conservation Treatments

Tiffani Simple, MS in Historic Preservation, University of Pennsylvania, Lyons Falls, NY, USA

Saturday, October 9 (continued)

The History of Masonry Tools

Jennifer Kovach and Brendan Beltz, Western Waterproofing, Portland, Oregon, USA

New Insights on Pinning Fractured Marble

George Wheeler, PhD, FAIC, FIIC, FAAR, Columbia University, New York, NY, USA

Marble Consolidation: Is It Worth the Effort?

George Wheeler, PhD, FAIC, FIIC, FAAR, Columbia University, New York, NY, USA

Masonry Cladding of Steel Framed Buildings, 1880 to 1940: An Evolving Relationship

Richard Ortega, AIA, PE, FAPT, Ortega Consulting, Media, PA, USA; and James Dossett, CDT, RMJM, Philadelphia, PA, USA

Structural Topics—[CS18]

Track: Structures

Session Chair: Dan Worth, AIA, BVH Architects, Omaha, NE, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

Cast-Iron Facades as Structural Shear Walls

Marie Ennis, PE, Old Structures Engineering, PC, New York, NY, USA

Graphic Statics and Preservation Practice

David Foxe, EYP/Architecture and Engineering, P.C, Newton, MA, USA

Seismic Evaluation and Rehabilitation Designs for Structures in Yellowstone and Grand Canyon National Parks

Eric Stovner, S.E., LEED AP, Critical Structures, Anaheim, CA, USA

Integrating Professional Knowledge across Disciplines to Build New Below the Historic: Down and Dirty Below the Old DC Courthouse

James Shepherd, Beyer Blinder Belle Architects & Planners LLP, Washington, DC, USA; and Nicole Ferran, Robert Silman Associates, Washington, DC, USA

Preserving the Layers Across Time—[CS19]

Track: Growth of the West

Session Chair: Barb Darden, Scheuber + Darden Architects LLC, Aurora, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	0

Protecting the Fort: Consolidation of Lime Concrete at Fort Laramie National Historic Site

Helen Thomas-Haney, Jablonski Building Conservation, Inc., New York, NY, USA

1:30-3:30 pm

Terrace

1:30-3:30 pm

Denver

Saturday, October 9 (continued)

Rehabilitation of the Sacramento Southern Pacific Depot: Keeping a Multi-Phase Project on the Right Track

Jason Towle, SE, Simpson Gumpertz & Heger, San Francisco, CA, USA;
and Andrew Wolfram, LEED AP, Perkins + Will, San Francisco, CA, USA

The Unique Challenges of Preserving a Gold Mining Dredge

Gerard van Rijn, PE, Public Works & Government Services Canada,
Calgary, AB, Canada

Tramways, Draw Works, and Flumes

Ron Anthony, Anthony & Associates, Inc., Fort Collins, CO, USA; and
Douglas Porter, University of Vermont, Department of Engineering,
Burlington, VT, USA

Buildings and Practices Throughout Time—[CS20]

Track: Sustainability

Session Chair: Linda Purcell, AIA, architecture PML,
Denver, CO, USA

AIA LUs	1.5
OAA CORE learning	1.5
RCEP PDHs	1.5

1:30-3:30 pm
Columbine

New Roof for an Old Courthouse in St Louis, the Gateway to the West

Ilene Tyler, FAIA, FAPT, LEED AP and Ann Dilcher, AIA, LEED AP, Quinn
Evans | Architects, Ann Arbor, MI, USA

Cast Iron Ornament: Colorado State Capitol Case Study

Daniel Gach, AIA, Wiss, Janney, Elstner Associates, Inc., Lakewood, CO,
USA; and Edward Gerns, RA, LEED AP, Wiss, Janney, Elstner Associates,
Inc., Chicago, IL, USA

Moving the Boulder Jaycee Depot: Structural and Restoration Challenges

Mark Grundmann, ICRI, BASF Corporation, Arvada, CO, USA

The Evolution of Doomed Practices

Larry Jones, APT, ASTM, CleaningStoneandMasonry.com, Houston, TX,
USA

The APT Cyber Café

The APT Cyber Café is located near the APT Registration and Information Desk. It includes Conference information and support material that can be reviewed, emailed, downloaded or printed. Internet access is also available.

You will find:

- Program Book as a .pdf
- Handouts
- Participant List/Conference Roster
- APT Student Scholarships Auction List
- CE Forms
- Denver City Map
- More...check it out!



Saturday, October 9 (continued)

3:45–5:00 pm
Spruce

6:00–11:00 pm
Wynkoop Brewery
1634 18th Street

APT Board of Directors Meeting #2

APT Social and Billiards Tournament

Ticket: Required

Format: Social

Food: Buffet dinner, locally brewed beer, beverages

Dress Code: Casual

Transportation: Walk 1.5 miles, 16th Street MallRide Shuttle or taxi

Directions: Walking: Exit hotel and turn left on 16th Street. Go 14 blocks to Wynkoop Street and turn right. The brewery is at the corner of 18th and Wynkoop. MallRide: Step on the shuttle outside hotel; step off at Wynkoop Street and turn right.

The Wynkoop Brewery is not just a pub, it's an experience. You'll be greeted at the door by a silverback gorilla. We will gather on the second floor, which is the home of Wynkoop Billiards with 22 pool tables, 2 private pool rooms, several dart lanes and a bar serving the brewery's signature beers, including the Silverback Beer that Wynkoop cans and has on tap.

APT has private use of a section of the pool tables for an APT Billiards Tournament, hosted by our very own Melanie Short. You can register for the tournament at the APT Registration Desk in advance or add your name to the list on site. This is a fun-based (not skill-based) tournament so join in just for entertainment!



While in LoDo (Lower Downtown), enhance your time by visiting some other landmarks:

- Denver Union Station, 17th and Wynkoop streets
Built in 1881 and rebuilt in 1914 after a fire, this historic building serves as a bus and light rail hub.
- Coors Field, 20th and Blake streets (2 blocks north of the Wynkoop)
Constructed in 1995, it's the home of the Colorado Rockies Baseball.
- The Cruise Room at The Oxford Hotel, 17th and Wazee streets (around the block)

Built in 1891, the Oxford Hotel houses the Cruise Room, an Art Deco bar, opened in 1933 after Prohibition was repealed. "It's a great bar," says a member of the Local Conference Committee.

Sunday, October 10

7:30–10:30 am
Columbine

College of Fellows Business Meeting

Continental Breakfast will be served.

Student Scholarship Recipients

The APT Scholarship and Outreach Committee* selected the following students to receive an APT Denver 2010 Scholarship, which includes a Conference registration, a complimentary one-year APT membership, the opportunity to give oral presentations during one of the Conference paper sessions, and introduction to a mentor from the APT College of Fellows.

*Co-Chairs: Lesley Gilmore, CTA Architects Engineers and Joan C Berkowitz, SuperStructures

Dorn Carran

The Characterisation of Historic Lime Mortars with a Focus on Provenance
University of the West of Scotland
Renfrewshire, United Kingdom

Christopher Ciesielski

What We Use to Build: Cream City Brick
School of the Art Institute of Chicago
Chicago, IL, USA

Lauren Drapala

Rediscovering An American Master: An Examination And Analysis Of Robert Chanler's Decorative Plaster Ceiling In The Gertrude Whitney Studio, NY
School of Design, University of Pennsylvania
Philadelphia, PA, USA

Aysem Kilinc Unlu

Preserving Industrial Heritage: An Inventory Of Industrial Structures In Zonguldak
University of Pennsylvania
Philadelphia, PA, USA

Hannah Meyer

The Byrne-Reed House: Layers of History Revealed through Layers of Paint
Texas Tech University
Lubbock, TX, USA

Jennifer Minner

Old Debate, New Considerations: Restoration of an Early 20th Century Texas Landscape
University of Texas at Austin
Austin, TX, USA

LaLuce Mitchell

History and Conservation of Early Electrical Systems in American Buildings
School of the Art Institute of Chicago
Chicago, IL, USA

Matthew Seymour

Lightning Protection as a Historic Building Technology
School of the Art Institute of Chicago
Chicago, IL, USA

Tiffani Simple

The Sandstone Masonry at Durham Castle: Alveolar Erosion and Possible Conservation Treatments
University of Pennsylvania
Philadelphia, PA, USA

Catherine Smith

Lasers and Conservation in the USA: An Exploration of the Limited Use of Laser Technologies for Cleaning Stone
Columbia University
New York City, NY, USA

Arianthé Stettner

The Preservation of Barns in Routt County, Colorado
Goucher College
Baltimore, MD, USA

Student Scholarship Recipients (continued)

Katherine Switala Elmhurst

Opening a Window for Preservation with Life Cycle Assessment—Quantifying the Sustainability of Preservation
Temple University
Philadelphia, PA, USA

Payal Vora

Evaluation of Past Preservation Treatments
Purdue University
West Lafayette, IN, USA

The following members of the APT College of Fellows volunteered as mentors to this year's Student Scholars:

Natalie Bull, FAPT
Walker C. Johnson, FAIA, FAPT
David M. Hart, AIA, FAPT
Lonnie James Hovey, AIA, FAPT
Marilyn E. Kaplan, FAPT
Rick I. Ortega PE AIA, FAPT
Sharon Park, FAIA, FAPT

Mike Schuller, FAPT
Ron D. Staley, FAPT
Thomas H. Taylor, Jr., PhD, FAPT, FAIC
Ilene R. Tyler, FAIA, FAPT
John G. Waite, FAIA, FAPT
David Woodcock, FAPT
Robert Young, FAPT, FAIA

Martin Weaver Student Scholar 2010

Kirsten Travers

Battersea: an Interior Finishes Analysis of an 18th Century Palladian Home
Winterthur University of Delaware Program in Art Conservation
Wilmington, DE, USA

Ms. Travers will use her Martin Weaver Student Scholarship to support her participation in a short-term (two to three weeks) Architectural Paint Research project at the Norwegian Institute for Cultural Heritage Research (NIKU). She will be aiding the Norwegian study, enhancing her own professional development, helping to preserve Norway's painted heritage, and sharing her experience with American colleagues through articles and presentations. Through this, others will gain increased awareness of the NIKU approach to paint research and how their methodologies could benefit our own work. Her plans to disseminate her findings were key in her selection as this year's Martin Weaver Scholars.

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

- **State Historical Fund, Colorado Historical Society**
- **APT DC Chapter**
- **APT Rocky Mountain Chapter**
- **George Wheeler, PhD, FAIC, FIIC, FAAR**
- **APT Northeast Chapter**

Sponsors

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 1:

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

Event Underwriter (\$20,000+)



HISTORY *Colorado*
STATE HISTORICAL FUND

Conference Benefactor (\$10,000+)

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Services
Administration**



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ANDERSON
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**HAYWARD
BAKER**
Geotechnical Construction



Conference Sponsor (\$2,500+)

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Architectural Metals INC.



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National Center for Preservation Technology and Training (NCPTT)

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www.ncptt.nps.gov

Jeff Guinn

318-356-7444

jkguin@gmail.com

Preservation technology research center.

National Park Service/Denver Service Center

Booth #29

Paul Cloyd

303-969-2285

paul_cloyd@nps.org

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US General Services Administration (GSA)

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Wattle and Daub Contractors **Booth #09**

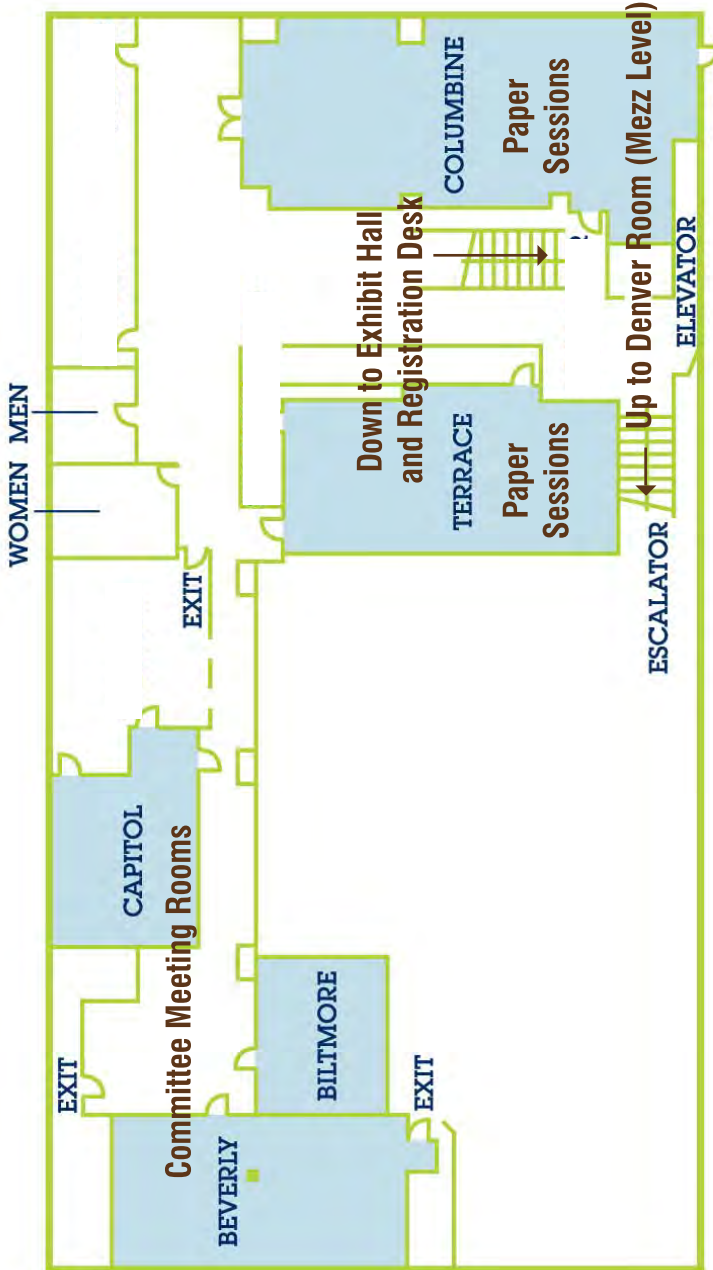
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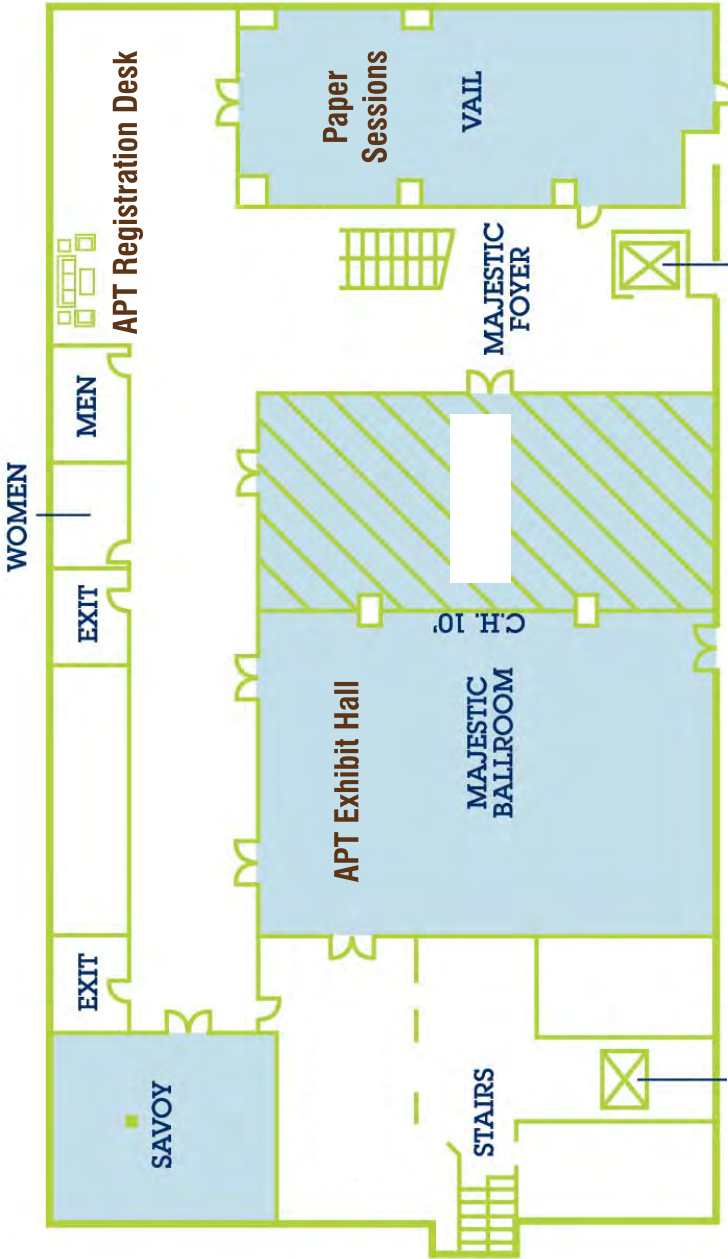
Hotel Map

Tower Terrace Level



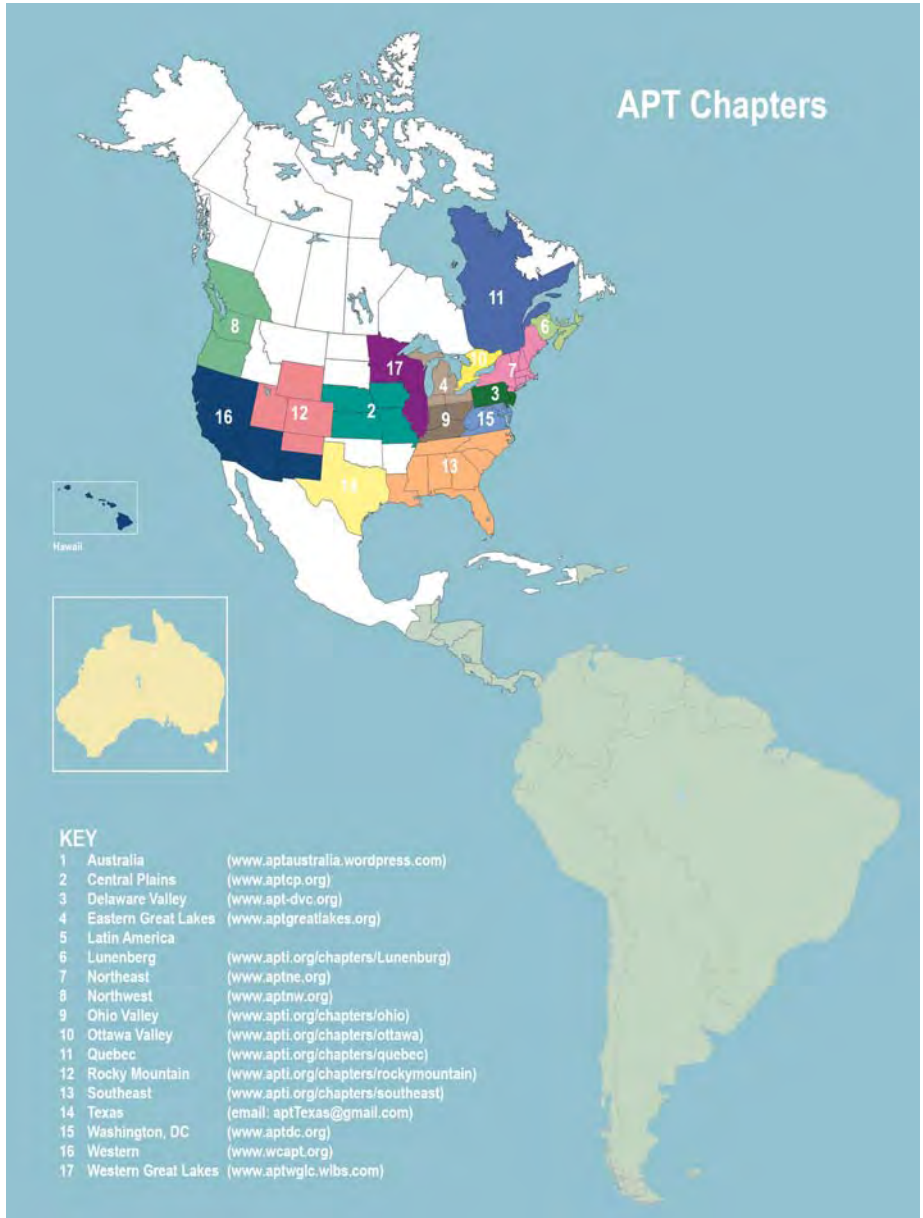
Hotel Map

Majestic Level



APT Chapters Map

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Papers at a Glance

8:15-9:45 am, FRIDAY, OCTOBER 8

MATERIAL	STRUCTURES	GROWTH OF THE WEST	SUSTAINABILITY
CS01—Metals <i>Room: Vail</i>	CS02— Uncle Sam's Log Cabins: Federal Stewardship of Vernacular Log Structures <i>Room: Denver</i>	CS03—Growth of the West and Beyond—Communities <i>Room: Terrace</i>	CS04—Documentation <i>Room: Columbine</i>
Lightning Protection as a Historic Building Technology	Preserving and Maintaining Historic Structures in a National Park	Growth of the West: Cultural Landscapes as Layered Histories	An Examination and Analysis Of Chanler's Decorative Plaster Ceiling In The Gertrude Whitney Studio, NY
Challenges in Preserving Art and Architectural Metal Finishes	Western Log Architecture: Strategies for Preserving, Planning and Adaptive use at White Grass Ranch	Pathology Of The Building With Earth, Frequent Damage and Criteria For Sustainable Conservation	3D Laser Scanning and Digital Historic Preservation
Philadelphia Museum of Art Exterior Envelope Renovations: A Tale of Two Metals	Assessing and Conserving Log Structures	Where East Meets West, The Californian Ranch Precinct of Hamilton East	Adoption of Tacheometric Survey in Combination with BIM and CAD/CAM Technology
Sullivan's Carson Pirie Scott: A Case Study in Cast Iron Facade Restoration		Preserving Industrial Heritage: An Inventory Of Industrial Structures In Zonguldak	Using High-Density Lidar and Three-Dimensional GIs in Historical Preservation and Resource Documentation

10:15-11:45 am, FRIDAY, OCTOBER 8

MATERIAL	STRUCTURES	GROWTH OF THE WEST	SUSTAINABILITY
CS05—Mortar <i>Room: Vail</i>	CS06—Diagnostics <i>Room: Terrace</i>	CS07—Growth of the West and Beyond—Structures <i>Room: Denver</i>	CS08—Where Are We Going? <i>Room: Columbine</i>
Characterization of Historic Lime Mortars with a Focus on Provenance	Battersea: an Interior Finishes Analysis of an 18th-century Palladian Home	History and Conservation of Early Electrical Systems in American Buildings	Sustainability and Preservation: Making Policy An Initiative of the Friends of NCPTT and the NTHP
Lime-based Consolidation of Historic Mortars and Stones	Dinosaur National Monument Visitor Center Rehabilitation and Replacement	Preserving the Modern Ranch: Pitchfork in Wyoming	Toward a Greater Understanding of How Preservation Addresses the Needs of a Sustainable Built Environment
Comparative Laboratory Evaluation of Conservation Mortars	Diagnostics and Analysis for Historic Stone Retaining Walls	Hedley Mascot Mine Camp Stabilization	Intersection of Sustainability and Preservation in Europe
ASTM C1713: A New Mortar Specification for Historic Masonry	Volumetric Recomposition and Structural Consolidation of Bogata's San Ignacio Temple	Built for Destruction: Apple 2 Houses at the Nevada Test Site	

Papers at a Glance

8:00-9:30 am, SATURDAY, OCTOBER 9

MATERIAL	STRUCTURES	GROWTH OF THE WEST	SUSTAINABILITY
CS09—Problems and Solutions <i>Room: Vail</i>	CS10—Rehabilitation, Renovation and Preservation <i>Room: Terrace</i>	CS11—Growth of the West and Beyond—Regional <i>Room: Denver</i>	CS12—Sustainability and Preservation <i>Room: Columbine</i>
Lasers and Conservation in the US: An Exploration of the Limited Use of Laser Technologies for Cleaning Stone	Evaluation of Past Preservation Treatments	Preservation of Barns in Routt County, Colorado	Old Debate, New Considerations: Restoration of an Early Twentieth Century Texas Landscape
Let's Call a Spill a Spill	Rehabilitating the Cave and Basin National Historic Site, Banff National Park, Alberta, Canada	Ranches on the Texas Llano Estacado: Building Construction Traditions	A Sustainable Approach to Conservation - Hardman Farm
Comparative Study of Commercially Available Paint Strippers for Use on Historic Brick	Modern Continuity: Magnolia Branch Library Renovation and Addition	Mississippi Longleaf Yellow Pine: Its Use By H.H. Richardson and Louis Sullivan and The Conservation Of The Charnley-Norwood Cottage	Trains and Training: The Design and Rehabilitation of Montezuma Castle, Las Vegas, New Mexico
Slate "A Traditional Material with Modern Expectations." What can go wrong?	Go West, Young Hypar! Milo S. Ketchum and Concrete Thin Shells in Colorado	Rangers' Club: House that Mather Built	Heritage Preservation Engineering Curricula

10:00-11:30 am, SATURDAY, OCTOBER 9

MATERIAL	STRUCTURES	GROWTH OF THE WEST	SUSTAINABILITY
CS13—Brick and Terra Cotta <i>Room: Vail</i>	CS14—Vernacular Construction <i>Room: Terrace</i>	CS15—Spanish Missions in the West <i>Room: Denver</i>	CS16—Topics in Sustainability <i>Room: Columbine</i>
What We Use to Build: Cream City Brick	Byrne-Reed House: Layers of History Revealed through Layers of Paint.	Evaluating the Layers of Restoration at Mission San Antonio de Padua	Opening a Window for Preservation with Life Cycle Assessment—Quantifying the Sustainability of Preservation
Soft Brick, Undercover and Exposed: A Conservation Challenge	Structural Assessment of the Thomas Moran House—Issues with Eclectic, Vernacular Construction	Investigation of Decoratively Painted Structural Wood at Mission San Miguel Arcangel, CA	Historic Lighting Restoration: Lighting The Way For Another Hundred Years
Glazed and Confused: Issues with Durability of Glazed Architectural Terra Cotta	Selectively Preserving: Thomas Hill Studio	Mission San Miguel Chapel: A Painted Wood Ceiling Restored	Energy Efficiency And Preservation Of Small Scale Midwestern Main Street Commercial Heritage
Use of Calibrated Digital Photography to Match and Evaluate Color Differences in Masonry Repairs	Adobe Construction at Fort Lyon, CO		Sustainably Conserving the Heritage of the Past for the Occupant of the Future—A Case Study of The Hudson

Papers at a Glance

1:30-3:30 pm, SATURDAY, OCTOBER 9

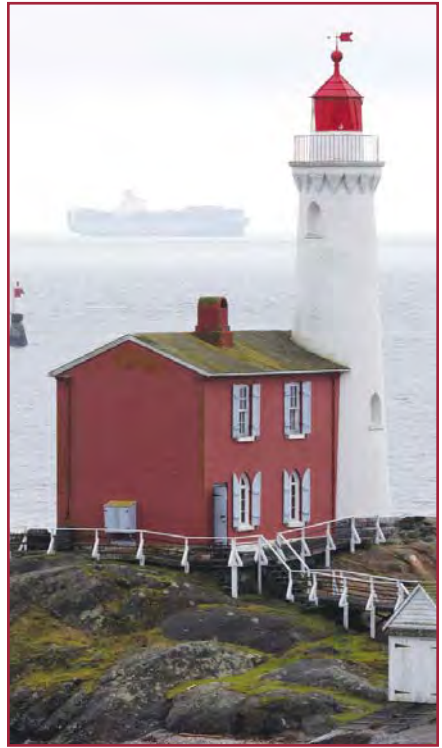
MATERIAL	STRUCTURES	GROWTH OF THE WEST	SUSTAINABILITY
CS17—Masonry <i>Room: Vail</i>	CS18—Structural Topics <i>Room: Terrace</i>	CS19—Preserving Layers Across Time <i>Room: Denver</i>	CS20—Buildings and Practices Throughout Time <i>Room: Columbine</i>
Sandstone Masonry at Durham Castle: Alveolar Erosion and Possible Conservation Treatments	Cast-Iron Facades as Structural Shear Walls	Protecting the Fort: Consolidation of Lime Concrete at Fort Laramie National Historic Site	New Roof for an Old Courthouse in St. Louis, the Gateway to the West
History of Masonry Tools	Graphic Statics and Preservation Practice	Rehabilitation of the Sacramento Southern Pacific Depot: Keeping a Multi-Phase Project on the Right Track	Cast Iron Ornament: Page Brothers Building Case Study
New Insights on Pinning Fractured Marble	Seismic Evaluation and Rehabilitation Designs for Structures in Yellowstone and Grand Canyon National Parks	Unique Challenges of Preserving a Gold Mining Dredge	Moving the Boulder Jaycee Depot: Structural and Restoration Challenges
Marble Consolidation: Is It Worth the Effort?	Integrating Professional Knowledge Across Disciplines to Build New Below the Historic: Down and Dirty Below the Old DC Courthouse	Tramways, Draw Works, and Flumes	Evolution of Doomed Practices
Masonry Cladding of Steel Framed Buildings, 1880 to 1940: An Evolving Relationship			

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*Fisgard Lighthouse Historical Site,
Victoria, British Columbia, Canada*

APT is accepting abstracts for its
APT Victoria 2011 Conference.

The deadline for submission is February 21, 2011.

**The Call for Abstracts is with your materials distributed at the APT
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3085 Stevenson Drive, Suite 200 • Springfield, IL 62703 USA

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