



The Association for Preservation Technology International
Association internationale pour la préservation et ses techniques



APT Technical Committee on Sustainable Preservation (TC-SP)

The APT Technical Committee on Sustainable Preservation (TC-SP) was formed in 2004 to provide an arena for discussion, review, and information sharing. It aims to educate APT members on the relationship between historic preservation and environmental sustainability.

Co-Chair Cory Rouillard	trembc@gmail.com
Co-Chair Lori Ferriss	lori.ferriss@goodyclancy.com
Co-Chair Evanne St. Charles	e.stcharles@argcreate.com
Co-Secretary Jason Wright	jasonkennethwright@gmail.com
Co-Secretary Elisabeth Bakker Johnson	ebie@nycap.rr.com
Co-Secretary Danielle Campbell	danielle.campbell88@gmail.com

Nancy Rankin is stepping down from her role as Co-Chair, a position she has held since 2013. We thank Nancy for all her tireless efforts to push our committee forward!

We meet monthly via video conference call (zoom). Call times TBD.

We currently have two **Focus Groups**, which address a range of topics, interests, and purposes.

ZNCC - Zero Net Carbon Collaborative for Existing and Historic Buildings (APT Delegation to the ZNCC)
OSCAR - Online Sustainable Conservation Assistance Resource

For more information, please contact the co-chairs of the focus groups to get involved and to join in the regularly scheduled group conference calls. (See following pages.)

We also maintain liaisons with many other APT committees and outside organizations to facilitate the exchange of ideas.

In addition, this past year we have:

- Contributed to the conference programming for APT 2022 Detroit, including:
 - Symposium: *“Industrial Sites, Embodied Carbon and Adaptive Reuse”* (with TCMH)
- Contributed to the planning of the US GSA’s Center for Historic Building’s technical training course: *HVAC for Historic Buildings: Preservation & Whole Building Performance*
- Participated in the development of the current APT Strategic Plan
- Issued periodic digests of articles of interest to our membership

In previous years, we have contributed to APT’s body of work in a number of ways, including:

- Conferences- contribute every year, including:
 - Abstract peer review, paper tracks, paper sessions, session chairs, paper presentations (many!)
 - Plenary sessions:
 - APT 2017 Ottawa: *“Historic Buildings and the Race to Net-Zero Carbon”* and sustainable preservation networking reception to kick off the ZNCC
 - APT 2018 Buffalo: *“Climate Chaos and Historic Building Environments: The Intersection of Preservation and Resilience”*



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- Workshops:
 - APT 2010 Denver: *“Energy Performance Testing, Modelling and Monitoring”*
 - APT 2013 New York: *“Disaster Preparedness and Response”*
 - APT 2016 San Antonio (with PETC): *“Building Science and Systems”*
 - APT 2020 Edmonton: *“Heritage Conservation and Carbon Reduction: The Climate Crisis and Moving towards Zero Net Carbon”*

- Symposia:
 - APT 2005 Halifax: *“Sustainability and Preservation”*
 - APT 2008 Montreal: *“Sustainable Preservation”*
 - APT 2011 Victoria: *“Sustainability Summit”*
 - APT 2015 Kansas City (with TC-MH): *“Renewing Modernism”*, and subsequent narrative summary *“Toward Consensus Principles for Practice”*
 - APT 2019 Miami: *“Heritage Values and Climate Action Planning”*

- APT Bulletin:
 - Guest edit special issues:
 - *Sustainability and Preservation* (Vol. 37:4, 2005)
 - *Sustainability* (Vol. 41:1, 2010)
 - *Climate Change and Preservation Technology* (Vol. 47:1, 2016)

- Others, including:
 - 2007 AIA Institute Honors Award for Collaborative Achievement
 - 2016 Contributed to the review of an NPS Preservation Brief on flooding and sea level rise
 - 2016 Climate Change & Cultural Heritage Conservation Literature Review
 - 2016 Contributed to public review of ASHRAE 34P Energy Guideline for Historic Buildings
 - 2018 Participated in events related to the UN High Level Political Forum on SDG 11.4
 - 2018 Created a traveling poster highlighting TCSP’s work and support of the Global Goals
 - 2019 Participated in the Historic Codes Summit in Philadelphia
 - 2019 Participated in the Little Haiti Community Engagement Project
 - 2019 Contributed to the “From the Archives” column in the *Communique* (Vol. 48:5, September/October 2019) on the history of the Technical Committees
 - (ongoing) Broadened group outreach to allied organizations, including AIA, RAIC, ICOMOS, Architecture 2030, Carbon Leadership Forum, GBC Italia

Each year we identify an annual theme to focus our efforts:

- 2017: Zero Net Carbon
- 2018: UN Sustainable Development Goals
- 2019: Resiliency
- 2020: Collaboration
- 2021: New Paradigms
- 2022: System Change



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This year's goals and ways to get involved include:

- Get involved with Focus Groups in multiple capacities (see following pages)
- Help plan and contribute to upcoming conference events, symposia, and workshops
- Contribute to publications, such as Practice Points, *APT Bulletin*, and Resource Roundup
- Help strengthen TCSP collaboration with other APT committees and outside organizations
- Share your thoughts and interests!

We know we've got less than 8 years to get our act together as a species if we hope to keep living on this planet comfortably. We know that buildings account for 40% of the current carbon emissions. If we hope to address climate change effectively, we need to address the existing buildings. The members of APT are the people who know how to work with existing buildings. We have the expertise to address the historically significant buildings, and that translates to the appropriate treatment of any existing building. If we are to make this critical difference in our climate trajectory, the expertise of this organization is vital to making that happen.

Current as of: November 2022



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ZNCC Focus Group (APT Delegation to the ZNCC)

Co-Chair Lori Ferriss	lori.ferriss@goodyclancy.com
Co-Chair Nakita Reed	nreed@quinnevans.com
Co-Chair Scott Henson	Scott@hensonarchitect.com
Co-Chair Debora Barros	debora.212.barros@gmail.com
Secretary Charly Kring	charly.kring@goodyclancy.com

description

ZNCC is a volunteer organization that connects numerous organizations committed to championing the responsible reuse of existing and historic places toward a Zero Net Carbon future.

TCSP initiated the ZNCC Zero Net Carbon Collaboration for Existing and Historic Buildings at APT Ottawa in October 2017. The founding partners with APT included the AIA, RAIC, ICOMOS and Architecture 2030.

this past year's accomplishments

- Contributed to the completion of the CARE Tool, scheduled to be released publicly by the end of 2022.
- Maintained and updated the ZNCC website: www.zncccollaboration.org
 - Curated a resources list to the website as part of the curate initiative
 - Curated an events calendar for various “climate – heritage” events around the globe
- Maintenance of a database in a Google Doc shared space
- Conducted a series of bi-monthly calls
 - Begun archiving guest speaker presentations on ZNCC’s new YouTube Channel: [Zero Net Carbon Collaboration - YouTube](#)
- Distributed a series of bi-monthly newsletters with highlights from ZNCC member organizations: APT, AIA, Carbon Leadership Forum, Royal Architectural Institute of Canada, Passive House Accelerator, ICOMOS, Architecture 2030, and Climate Heritage Network
- Ongoing participation in NGO alignment in embodied carbon working group led by CLF
- Collected case studies demonstrating the carbon benefits of reusing existing and heritage buildings
- Installed new co-chair to assist Ferriss, Reed, and Henson: Debora Barros

what we’ve accomplished since our organization’s founding

- Contributed to the development of the CARE Tool
- Established a steering Committee to bring together APT, AIA, Carbon Leadership Forum, Royal Architectural Institute of Canada, Passive House Accelerator, ICOMOS, Architecture 2030, and Climate Heritage Network
- Supported the Climate Heritage Network (CHN) Launch in Edinburgh, Scotland (part of the ICOMOS initiative started last year as Climate Heritage Mobilization at the Global Climate Action Summit), through attendance and participation by co-chair Lori Ferriss, representing ZNCC
- Contributed to Climate Heritage Network COP 26



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current goals, what we're planning for the coming year

- Create, Curate, Communicate, Collaborate, Champion: Five initiatives
- Create/collaborate on a library of existing research and initiatives
- Publish case studies demonstrating the carbon benefits of reusing existing and heritage buildings
- Collaborate and Champion COP 27 working group 3 with Climate Heritage Network
- Gather data on continent-wide building stock and building reuse carbon from researchers and practitioners
- Develop methodologies for correlating energy retrofit efforts and collect strategies and technologies for reusing and upgrading existing buildings

specific ways in which new members can get involved

- Join our bi-monthly meetings
- Submit case studies

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OSCAR Focus Group

Co-Chair Cory Rouillard trembc@gmail.com
Co-Chair Carly Farmer carly.farmer@outlook.com
Co-Chair Evanne St. Charles e.stcharles@argcreate.com

description

OSCAR is an open-source interactive web application for design professionals engaged in the sustainable rehabilitation of historic buildings. OSCAR's holistic building evaluation and design approach helps to maximize the health, energy efficiency, and conservation of built historic assets without compromising their heritage value. The OSCAR Focus Group is building the web app and populating it with relevant information.

URL: <http://oscar-apti.org>

this past year's accomplishments

Content:

- We held eight monthly Content Development Forum video conference calls in order to gather information from experienced practitioners on Preservation and Sustainability Actions related to masonry wall assemblies.
- Carly Farmer is working with graduate students at Carleton compiling the information that has evolved from the Content Development Forum calls into Action Cards. The Action Cards produced will be peer reviewed and then added to the OSCAR website.
- We are hosting our second in-person Content Development Forum at the 2022 APT Conference in Detroit. The forum topic will be insulating masonry wall assemblies.

Outreach:

- OSCAR Secretary Katrina Virbitsky assisted with graphic design of promotional materials and communications from 2019 to summer 2022.
- We prepared a social media post for Grouch Day (October 15th), advertising the Content Development Forum to be held at the 2022 APT Conference.

Funding:

- OSCAR has been awarded a fourth grant by the HPEF Partners in Training program to continue our work with OSCAR development. We are very grateful for their continued support! This funding will be used to build in additional functionality to the site and support student researchers.
- Carly Farmer, Carleton University and MTBA Associates, received a Mitacs grant for two graduate internships for contributions to OSCAR. Catherine McBain completed the first internship in summer 2020 and Melissa Lengies recently completed the second internship this past summer.



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recent past accomplishments and outreach

- Since 2019 the OSCAR team has held over 24 Content Development Forums with the goal of creating content for our four databases: Preservation, Energy and Resilience Actions; Inherently Sustainable Features; Case Studies; and Resource Library.
- We held our first in-person Content Development Forum on Aluminum Window Preservation at the 2019 APT Miami Conference.
- Since 2018, we have presented OSCAR at five different conferences, workshops, and panel discussions.

current goals, what we're planning for the coming year

- Content Development Forum calls (step 1 of content development):
 - Continue with additional Content Development Forum calls. Next series of calls: TBD.
 - Improve on the current model based on lessons learned from each call.
 - Improve outreach and identify key participants for each topic.
- Action Card development from forum notes (step 2 of content development):
 - Continue collaboration with Carleton University graduate students.
 - Reach out to other universities for collaboration with graduate students on further development of Action Cards.
- Peer Review (step 3 of content development): Restart the peer review process for Action Cards.
- OSCAR website: continue development for improved performance and functionality.

specific ways in which new members can get involved

- Join the OSCAR team!
 - We are currently looking for a new secretary to assist with outreach, update flyers and announcements, and coordinate forum calls.
- Content development
 - Participate in forum calls
 - Assist with outreach to key experts and additional participants
 - Be an additional note-taker/moderator during calls
 - Compile known research into Action Cards for peer review
 - Select a topic of choice within the OSCAR framework (this may include a material, a sustainability improvement strategy, or a case study)
 - Serve as a peer reviewer for the content that has been written to date
- Database organization
 - Update and organize the bibliography resource (Zotero)
- Be a liaison to other Technical Committees and outside organizations
 - Help plan relevant content forums to incorporate their content
- Be a university liaison
 - Help develop graduate student internship positions
 - Find matching funding for graduate student internship positions
 - Work with graduate students to develop content

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