



# PRESERVATION ENGINEERING TECHNICAL COMMITTEE

APT PETC NEWS  
October 2021

Dear PETC Members,

Many thanks to all of you who have been supportive and involved through the years in helping to grow the APT Preservation Engineering Technical Committee (PETC). We are always looking for new volunteers to help us maintain and continue to grow the programs that we spearhead. We are especially looking for people to volunteer with the DRI and the new Preservation Engineering Mentorship program.

We try to keep the PETC website [www.apti.org/preservation-engineering](http://www.apti.org/preservation-engineering) updated with current information so you can check it out often. We urge anyone who would like to be more involved to reach out to any of the Co-Chairs or email us at [petc@apti.org](mailto:petc@apti.org).

PETC Co-Chairs – [Sarah Gray](#), [Rachel Will](#), [Amy Woods](#)

## David Fischetti Award

Each year, PETC presents the David Fischetti Award for an outstanding article that advances the field of preservation/conservation engineering. For more information and past award recipients, [click here](#).



The 2021 David Fischetti Award recipient will be announced during the Awards Ceremony on Wednesday October 27, 7:30pm Eastern as part of the APT conference.

Many thanks to our Judging Committee for 2021 Fischetti Award, this year's panel included: Joan Berkowitz, Donald Friedman, John Matteo, Stephen Kelley, Rick Ortega, Carolyn Searls, and Patrick Sparks. Also thank you to Tim Crowe and Amy Woods for their efforts in helping facilitate the 2021 Award.

Watch for additional information regarding the deadline for submission for 2022. Please consider submitting an article or encouraging others to do so.

## Student Design-Build Competition

One of PETC's favorite events to encourage student involvement in APT and memories to last a lifetime. For additional information and fun photos of past



student projects, [click here](#).



- The three student teams competing in the finals of this year's competition are University of Calgary, City College of New York, and Columbia University.
- The Student Competition has two sessions at this year's APT Conference.
  - Session 1 will be on Monday October 25, 9:00-10:30am Eastern, to present each team's selected arch and its history, and their on-campus masonry arch construction and loading.
  - Session 2 will be on Tuesday October 26, 9:00-10:30am Eastern, to present each team's dry-stack masonry arch. The students will also present their solutions to the Preservation Problems during Session 2.
- PETC welcomes all conference attendees to join the sessions and cheer on our student teams! Please register to attend the conference [here](#).
- The winners of the student competition will be announced at the APT Awards Ceremony on Wednesday October 27, 7:30pm Eastern as part of the APT Conference.

PETC thanks our many volunteers who are busy finalizing the competition activities! Many thanks to Sarah Gray, PETC Co-Chair, for leading this effort in 2021.

### **Preservation Engineering Mentorship Program**

APT PETC started a preservation engineering mentorship program in 2021. The goal is to provide a forum for young and emerging professionals to get connected, ask their questions, gain additional experience, and network with professionals in the preservation engineering field.

A mentoring roundtable will be held on November 17, 2021. The panel discussion will focus on the "path to preservation" as discussed by a few of our industry professionals and will allow participants an opportunity to hear stories and ask questions. The panel discussion will be moderated by Tom Morrison (past PETC Co-Chair) and Rachel Will (current PETC Co-Chair). Panelists will include Anne Sullivan, FAPT, Jenna Bressler, Will Teron, and Sarah Van Domelen. Following the meeting, the organizers will work on providing opportunities for individual mentor/mentee relationships.

All are welcome to attend the panel discussion! Please join us on **Wednesday November 17, 2021 at 4:30-6:00 PM Central Standard Time (CST)**. Please register for the Zoom meeting [here](#). Agenda to follow at a later date for registrants of the meeting.

If you are interested in becoming a mentor or being connected to a mentor, please email us at [petc@apti.org](mailto:petc@apti.org) and put PETC Mentorship in the subject line. We will work to get match-ups made by our bi-annual virtual meeting in Spring 2022.

### **Disaster Response Initiative**

More information about DRI is [here](#).





- DRI has been growing their membership and completing a successful leadership transition. John Dumsick plans to step off DRI leadership in a few weeks. We sincerely thank John for his hard work and dedication in getting DRI off the ground and doing great work!
- Whitney Plantation: Through DRI's partnership with the Heritage Emergency National Task Force (HENTF), we learned of significant damage to the Whitney Plantation from Hurricane Ida on August 29, 2021. We responded by sending Adam Rush to the site on September 20-21 to observe the damage and prepare a Scope of Work document intended for the Whitney Plantation to seek professional services, contractor services, and funding to plan and implement the needed temporary repairs as a first step. DRI submitted a draft report on October 9, 2021 for Whitney Plantation's review.
- DRI is collaborating with the Disaster Response Alliance (DRA) to create a central database to use when DRI is called upon by SHPOs, municipal authorities, or private entities to provide preservation professionals. DRA is a collaboration between International Code Council (ICC) and National Council of Structural Engineers Associations (NCSEA). DRI/PETC expects to join the other organizations as an equal partner in the DRA, providing us access to a proven database for post-disaster response and expanding DRI's ability to respond to events by calling upon other professionals as needed.
- Ongoing tasks include outreach to SHPOs, including the US Virgin Islands which is interested in DRI support in the near future.

The DRI mission is to assist like-minded organizations in protecting heritage structures vulnerable to natural and man-made disasters. We need problem solvers for this initiative: Do you have what it takes?

Thank you to leaders of the task group for all of their efforts, including Rachel Palisin, Adam Rush, Will Teron, Brad Cross, and Trish Smith. Thank you to all APT and PETC members who have responded to our emails and calls for action. We look forward to new volunteers coming forward!

Please join PETC DRI and help the task leads with the many initiatives facing this group. If interested or have questions on how to get involved, please reach out to PETC at [petc@apti.org](mailto:petc@apti.org).

### **APT Annual Conference - PETC Workshop and Symposium**

PETC is leading up two workshops/symposiums for the upcoming APT Conference in Washington DC. We look forward to you registering for these programs on the APT Conference website [here](#). Registering is a great way to learn and support APT!

***APT Workshop: URM Construction, Restoration, and Maintenance  
October 28-29, 2021 from 10:30am-5:30pm Eastern, 12.0 LU/HSW/CEUs***

The Unreinforced Masonry (URM) Construction, Restoration, and Maintenance workshop will focus on understanding the rationale and methodology for condition assessment, seismic assessment, and the repair, restoration, maintenance, and seismic upgrade of historic URM buildings. The workshop will provide insight into common types of deterioration and material behavior along with specific intervention methods and materials that may be appropriate and sympathetic to the original materials. Treatments consider the U.S. Secretary of Interior Standards when the URM building is historic.

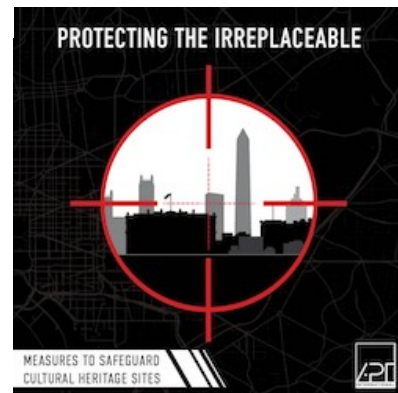
The workshop will include six hands-on demonstrations including composite mortar repair, stone dutchman repair, lintel flashing and brick replacement, and horizontal surface joint protection. Since understanding mortars is so critical, a specific presentation will focus on historic mortars and the various cementitious materials. Two of the hands-on demonstrations will focus on historic lime mortar preparation and pointing (i.e. slaking lime, quick lime, NHL, blended mixes) and mortar analysis and laboratory testing.

Additional URM restoration, lateral improvement, and seismic upgrade presentations will cover low, medium, and high seismic regions. Case studies will illustrate sensitivity to historic URM construction and taking a holistic approach to URM buildings, which is critical for restoration and seismic upgrades.

***APT Symposium: Protecting the Irreplaceable: Sensitive Measures to Safeguarding Cultural Heritage Properties  
October 28-29, 2021 from 10:30am-5:30pm Eastern, 12.0 LU/HSW/CEUs***

This symposium was developed in response to the growing need for physical security improvements to culturally significant properties and collections against man-made threats. Learning how to sensitively introduce security measures without adversely impacting the historic character of buildings and landscapes is challenging, but can successfully be achieved.

Given this year's APTI Conference is in the District of Columbia, it can be argued that no other location offers the level of opportunity to explore this topic more fully. The recent events at the US Capitol reiterate the need for in-depth discussion of the protection and security needs of culturally significant sites and structures. This training gives attendees guidance on understanding security threats, along with principals and strategies for protecting cultural heritage, staff and the general public. Case studies will highlight properties where changes were made, while still meeting preservation guidelines.





The two-day symposium will be a series of virtual lectures given by preservation professionals and security experts. Integrated into each day will be 'virtual' site tours around the Washington, D.C. National Mall.

### **Committee Reports, Minutes, News**

The minutes from the September 29, 2020 PETC Annual Meeting is available to view on the PETC website at this [link](#). We will continue to add and archive future committee reports, meeting minutes, as well as our PETC News eblasts to this location so you don't miss out on our initiatives!

### **Virtual Semi-Annual PETC Committee Meetings**

Our next PETC Meeting will be held virtually the week before the APT Conference, on **Tuesday October 19, 2021 at 1:00- 3:00 PM Central Standard Time (CST)**. To attend the October Meeting, please register for the Zoom meeting [here](#).

The agenda includes:

- Introduction of the PETC Co-Chairs
- PETC's Contributions to APT's Current Strategic Priorities
- PETC Activities at the virtual APT Conference on October 25-29, 2021
- Introduction of the PETC Mentorship Program
- Discussion of recent Disaster Response Initiative's work, including a presentation regarding DRI's September 2021 trip to the Whitney Plantation following Hurricane Ida.
- Open Discussion.... Bring your ideas!

PETC will host another virtual committee meeting in the Spring of 2022.

### **Communication**

PETC will communicate to our members via Constant Contact eblasts through APT International. We will also add committee news to the Communique and other APT social media, such as Facebook, LinkedIn, Twitter, and others.

If you have news appropriate for PETC to distribute, please email us at [petc@apti.org](mailto:petc@apti.org) and we can assist with spreading the word on our social media channels. We will use **#APTPETC** and encourage you to do the same for posts relevant to our community of members.

### **Join PETC**

If you are not on our PETC mailing list, please email us at [petc@apti.org](mailto:petc@apti.org) to join! Please feel free to forward this email to others you think might be interested in our goals and activities. We would love to have them!

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APT Preservation Engineering Technical Committee  
[petc@apti.org](mailto:petc@apti.org)

