



T&DI CONNECTIONS

October 2022

KEY HIGHLIGHTS

- Deadline to Download Proceedings for ICTD 2022 and Pavements 2022 is October 31st.
- Nominations for the Turner, Bartholomew, Laurie, Masters, Horonjeff, Smith, and T&DI Outstanding Younger Member Close November 1st.

Letter from T&DI President Roger Millar

A resilient transportation system

Hello,

I want to thank you for the chance to serve as T&DI President and look forward to the opportunities ahead in the next year. I'd also like to thank my predecessor David Noyce for all his fine work and the preparation for me to step into this role, as well past president Rick Boudreau as he steps off of the board after four years of service. And I'd like to welcome new board members Scott Murrell and Tom Klin to the T&DI leadership team.

We are living in challenging yet exciting times, both for transportation systems and the people and communities we serve. My focus for the coming year will be...



Roger M. Millar, Jr., P.E., F.AICP,
F.ASCE, President, Transportation
& Development Institute (T&DI)
American Society of Civil
Engineers (ASCE)

[Read More](#)

INSTITUTE NEWS

Download Proceedings from ICTD 2022 and APM-ATS 2022 Before the October 31st Deadline

The 2022 conference proceedings for the International Conference on Transportation and Development and the 2022 Automated People Movers and Automated Transit Systems Conference are available for download through October 31, 2022.

Your first step in accessing the online proceedings is to register with the [ASCE Library](#). If you're not already a registered [ASCE Library](#) user, register now so you can access the proceedings!

As an exclusive benefit for conference registrants, eligible conference attendees have until 10/31/2022 to claim the 2022 Conference proceedings. Once you have claimed, you will always have access to the online proceedings.

The deadline to download your complimentary copy of the proceedings is October 31, 2022.

ICTD Proceedings

APM-ATS Proceedings

Important Dates to Watch



Don't Forget to Nominate!

Awards season is here and we're accepting nominations for transportation engineers who have made outstanding contributions to the field, sub-field, and/or Society. Please click on the name or photo for each award to see more information, nomination requirements, and details.

Nominations Due by November 1:



Francis C. Turner Award

This award is based on the nominee's contributions to the advancement of the knowledge and practice of transportation engineering.



Harland Bartholomew Award

Special contributions to the enhancement of the role of the civil engineer in urban planning and development. The contribution may be in the form of a paper published by the Society or personal efforts and achievements toward that goal.



Frank M. Masters Transportation Engineering Award

Best example of innovative or noteworthy planning, design, or construction of transportation facilities.



James Laurie Prize

Contributions to the advancement of transportation engineering, in honor of ASCE's first president.



Wilbur S. Smith Award

Special commendation for contributions to the enhancement of the role of the civil engineer in highway engineering. The contribution may be made in the form of a paper published by the Society or by the recipient's personal efforts and achievements toward that goal.



Robert Horonjeff Award

This award recognizes contributions to the advancement of the field of air transportation engineering, special commendation for contributions to the field of air transport engineering, and the enhancement of the Society's activities in that field.



T&DI Outstanding Younger Member Award

To recognize T&DI's younger members who have made special contributions to the Institute, the profession, and their community.

T&DI Welcomes Incoming Technical Committee Chairs

We are pleased to welcome the following incoming Chairs of our technical

We are pleased to welcome the following incoming Chairs of our technical committees. Congratulations on your appointment!

Highway Pavement Committee: Jaime Hernandez, Marquette University

Highway Construction Committee: Robert Scancella, KS Engineers

Transportation Safety Committee: Anurag Pande, California Polytechnic State University

Airfield Pavement Committee: Lindsy Hammond, GRI

Rail Transport Committee: C. Tyler Dick, University of Texas at Austin

Automated People Movers Committee: Richard S. Czarnomski, Lea+Elliott

Infrastructure Systems Committee: Juan Diego Porras-Alvarado, WSP

Sustainable Transportation Committee: Shams Tanvir, California Polytechnic State University

Freight & Logistics Committee: Avinash Unnikrishnan, Portland State University

We would also like to extend our appreciation for the contributions of the following outgoing Chairs:

Highway Pavement Committee: Hasan Ozer, Arizona State University

Highway Construction Committee: Jim Gallagher, Resolution Management Consultants, Inc.

Transportation Safety Committee: Mohamed Abdel-Aty, University of Central Florida

Airfield Pavement Committee: Navneet Garg, Federal Aviation Administration

Rail Transport Committee: Dimitris Rizos, University of South Carolina

Automated People Movers Committee: Craig Elliott, Lea+Elliott

Infrastructure Systems Committee: Carlos Chang, Florida International University

Sustainable Transportation Committee: Mouna Krami-Senhaji, Jacobs

Freight & Logistics Committee: Alison Conway, City College of New York

Thank you T&DI leaders for all you do for the Institute and for the profession.

T&DI Transportation Safety Committee Chair Recognized as Distinguished Scholar





Dr. Anurag Pande [was awarded the Distinguished Scholarship Award](#) (DSA), the highest honor for faculty research at University Campus by California Polytechnic State University. He is the first civil engineering faculty member to receive the DSA. Pande's accomplishments represent Cal Poly's teacher-scholar model of faculty whose research benefits students through research opportunities, strong mentor relationships, and the chance to explore their own creativity.

The highly accomplished scholar has secured over 30 externally funded research grants (as PI or co-PI) worth almost \$3M million from local, state, and federal agencies. The majority of that funding has supported student research that resulted in 18 publications co-authored with students. He is the faculty advisor to the student chapter of the Institute of Transportation Engineers — honored with the Best Student Chapter Award four times since 2014. He also oversees Cal Poly's Service-Learning Program and Community Engagement program.

Anurag Pande earned a bachelor's degree in civil engineering from the Indian Institute of Technology Bombay and a master's degree and a doctorate in civil engineering from the University of Central Florida. You can follow him on Twitter [@PolyProfPande](#)

AI in Transportation and CAV Impacts Committees to Host NSF-Sponsored Workshop

The National Science Foundation is sponsoring a [workshop](#) organized by T&DI's [Artificial Intelligence \(AI\) in Transportation Committee](#) and [Connected and Autonomous Vehicles \(CAV\) Impacts Committee](#) in collaboration with the University of Washington, the University of Florida, PacTrans, the STRIDE Center, and three TRB Committees. The workshop, [“The Frontiers of Artificial Intelligence-Empowered Methods and Solutions to Urban Transportation Challenges Phase II: Best Practice, Education, and Workforce Development,”](#) will discuss technologies that are revolutionizing transportation research, emerging technologies, and best practices for addressing urban transportation practices. This workshop is chaired by Dr. Yin Hai Wang of the University of Washington and Dr. Lily Du of the University of Florida. For more information, visit the [event](#) and [hotel](#) webpages.

[Register](#)

Younger Member News

Younger Member Spotlight - Andrew Jayankura



“Have you ever been electrocuted?”

If you haven't experienced a zap of electricity running through your body, consider yourself lucky. The pain, however minor, stays with you at the point of impact for longer than you'd imagine. Your heart rate increases. There's a slight burning sensation.

It's a feeling that Andrew Jayankura has experienced many times in his days as a budding mechanical engineer and then-arcade technician.

“I kept getting electrocuted, and wires kept shocking, along with capacitors kept blowing up in my face, and I said, ‘That’s it.’”

And who could blame him?

As with every young professional we've interviewed, Andrew was good at math and science and enjoyed participating in hands-on activities. He began his undergraduate studies as a mechanical engineer but didn't enjoy the subject matter or the experience. *"Civil engineering has a bigger impact on society than mechanical, plus you can see a bigger scale of the projects you've completed."* His passion for transportation engineering is inspired by his enjoyment of driving and taking road trips. His hometown of Reno, Nevada, a place he says has helped him grow and shaped him into the person he is today, has motivated him to have a community-first mentality and has enabled him to give back to his community by working on signal timing and capital improvement projects that have helped improve safety for both drivers and pedestrians. He's also learned some things he might not have learned otherwise.

But it wasn't always easy.

Andrew graduated from college during the recession, and it was arduous to find an internship, let alone a job. He took odd jobs, working for a manufacturing company, as a photo booth attendant, and in the freezer section at the Walmart distribution center. His hard work paid off and he received funding to go back to school for his graduate degree.

These days, when he's not working, he likes to rock climb, work on his car, and visit escape rooms. When I ask how many he's done, he says, *"Too many to remember. During October, I like to wear my taco costume to them."*

Andrew lives by the motto, ***"Pain is only temporary if you want it to be."*** Excellent point.

Thank you for letting us feature you, Andrew!



CHAPTER NEWS

ASCE T&DI Miami-Dade Hosts Industry Social Event

On Thursday, September 29, 2022, the ASCE Miami-Dade Branch of the Transportation & Development Institute (T&DI) participated in an Industry Social event co-hosted with other Branch institutes/groups including YMG, SEI, UESI, G-I, CI, EWRI, and COPRI at EST 33 Thai Craft Brewery. This event allowed attendees to network with the members from all the groups and learn how they can get involved and/or join. Overall, there were 92 individuals in attendance. Chen Moore and Associates (CMA) was a proud event sponsor for our institute. Other event sponsors were HDR, EAC Consulting, Longitude Surveyors, KEITH, Universal Engineering Sciences

Consulting, Longitude Surveyors, KENH, Universal Engineering Sciences, Gannett Fleming and GHD.

Pictured are (from left to right): Jessica Garcia, EI (Miami-Dade T&DI Chair-Elect), Roxana Matamoros, PE (Miami-Dade T&DI Treasurer), Yulet Miguel, PE (Miami-Dade T&DI Chair), and Evelyn Rodriguez, PE (Miami-Dade Branch Past-President).

Learn more about the ASCE Miami-Dade Chapter by visiting their [website](#), [LinkedIn](#), [Facebook](#), [Instagram](#), and [Twitter](#).



ASCE T&DI UIUC Chapter Hosts A "Basics of Machine Learning Workshop"

The ASCE T&DI student chapter at University of Illinois at Urbana-Champaign hosted a "Basics of Machine Learning" workshop on October 5th. The workshop was given by senior Ph.D. student in Transportation Engineering, Qingwen Zhou. This event is part of the professional events. You can find us on [LinkedIn](#) or [Instagram](#) to know more about our upcoming events!





ASCE NEWS

ASCE Innovation in Sustainable Engineering Award

A blue banner for the ASCE Innovation in Sustainable Engineering Award. On the left is the ASCE logo with the text 'AMERICAN SOCIETY OF CIVIL ENGINEERS' below it. To the right of the logo, the text reads: 'Innovation in Sustainable Engineering Award', 'ASCE is seeking nominations for projects that advance sustainability principles!', 'ASCE supports civil engineering design that improves economic, social, and environmental sustainability.', and 'Nominations are due by Nov. 1.'. On the far right, there is a white button with the text 'Learn more' in blue.

ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

Innovation in Sustainable Engineering Award

ASCE is seeking nominations for projects that advance sustainability principles!

ASCE supports civil engineering design that improves economic, social, and environmental sustainability.

Nominations are due by Nov. 1.

[Learn more](#)

Nominations are open for the ASCE Innovation in Sustainable Engineering Award through November 1, 2022. ASCE established this award in 1981 to recognize civil engineering projects for creativity and innovative sustainability and have the potential for use in broad application of future projects. Please see the official rules, eligibility requirements, and nomination process on the [Innovation in Sustainable Engineering Award's website](#) or click the above image.

[Submit a Nomination](#)

ASCE SEI O.H. Ammann Research Fellowship

Are you looking for a stipend to help in your research? The O.H. Ammann Research Fellowship is awarded a stipend of up to \$8,000 to encourage the creation of new knowledge in structural design and construction. **Deadline to apply is November 1!**

The online application must be completed and submitted in a single session. Please view the website for complete directions on what is included in the application process.

If O.H. Amman isn't for you, there are other [ASCE scholarship opportunities](#) available!

[Apply for the Ammann Fellowship](#)

Application Period Open for ASCE's 2023 Legislative Fly-In and Policy Week

The [online application is now available](#) to attend the 2023 Legislative Fly-In and Policy Week held exclusively in person in Washington, D.C., from March 1-3. ASCE members will have an opportunity to meet with their Members of Congress or their senior legislative staff and advance the Society's policy priorities while strengthening leadership skills they can bring back to the workplace. [Apply now](#) to represent the civil engineering profession on Capitol Hill and build valuable personal skills that will help advance your career. The deadline to apply is Friday, November 18th. For more information, [visit ASCE's Legislative Fly-In webpage](#).

Biden Administration Launches Thriving Communities Program

The Department of Transportation (DOT) on October 6th [announced](#) the launch of the [Thriving Communities Program](#), which will provide two years of technical assistance to under-resourced and disadvantaged communities to develop and deliver transportation and community revitalization activities. A partnership with the Department of Housing and Urban Development, the \$30 million program is designed to help communities access grants and opportunities provided by the [bipartisan infrastructure law](#). The program will prioritize the selection of communities working to advance projects to improve health outcomes, reduce transportation cost burdens, and increase reliable mobility options. DOT released a call for Letters of Interest and a [Notice of Funding Opportunity](#) (NOFO), which will remain open through November 22nd. DOT plans to host a series of webinars to provide more information to interested communities.

DOT Expands Financing Program to Add Flexibility for Transit Projects

Transportation Secretary Pete Buttigieg [announced](#) October 4th the Department of Transportation's Build America Bureau has launched an initiative to increase financing opportunities for transit and transit-oriented development projects. The initiative is linked to the [Transportation Infrastructure Finance and Innovation Act](#) (TIFIA) program, which offers credit assistance for qualified projects of regional and national significance. The new program, [TIFIA 49](#), authorizes loans of up to 49% of eligible project costs for projects that meet certain eligibility requirements. Previously, these loans have been capped at 33% of eligible project costs with few exceptions. Transit-oriented development refers to joint development projects that involve improvement of transit infrastructure and non-transit facilities, including commercial and residential projects.

Application Period Open for New Culvert Restoration Program

The Federal Highway Administration (FHWA), in coordination with the U.S.

The Federal Highway Administration (FHWA), in coordination with the U.S. Fish and Wildlife Service and the National Oceanic and Atmospheric Administration (NOAA), [is accepting applications](#) for a new program to remove and upgrade culverts. Created by the [bipartisan infrastructure law](#), the [National Culvert Removal, Replacement, and Restoration Grant Program](#) makes \$1 billion available over five years to help communities remove or repair culverts found under roads that can prevent fish passage. For this round of funding, \$196 million is available. The application period will remain open until February 6th. Culverts that prevent fish passage can be particularly problematic for coastal and Tribal communities that rely on thriving fish populations for their economies.

APTA Report Suggests Transit Ridership Rebounding

The American Public Transportation Association (APTA) on September 28th [announced](#) public transportation ridership has risen to more than 70% of pre-pandemic levels. APTA's [Ridership Trends Dashboard](#) indicates the continuation of an upward trend as the country recovers from the COVID-19 pandemic, which caused ridership levels to plummet. According to APTA, the positive trend is buoyed by commuters returning to offices and students returning to schools. Transit earned a 'D-' on ASCE's [2021 Report Card for America's Infrastructure](#). There is a \$176 billion transit backlog, a deficit that is expected to grow to more than \$250 billion through 2029.

CONTINUING EDUCATION OPPORTUNITIES



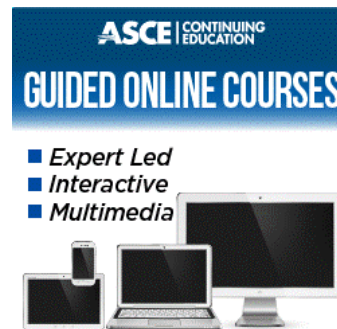
Fall Programs

ASCE announces an exciting line up of Continuing Education programs.

ASCE Continuing Education offers a wide variety of top quality educational programs taught by experts in their fields. Explore the many ways to grow your knowledge, advance, and stay current with your professional career while earning credits. Check out our [ASCE Continuing Education fall programs](#).

Guided Online Courses

Guided Online Courses have begun, but it's not too late to register! Learn more and sign up today!



Marine Container Terminal Planning

Sep19 – Dec 9, 2022

[Learn More](#)

Pipeline Installation

Oct 24 – Dec 2, 2022

[Learn More](#)

P.E. Review Courses

PE Civil Exam on-demand courses:

[Register](#)



eLearning Webinar

What to Know About ASCE's PE Review Course and How it Can Help You Succeed:

- Access the free webinar recording, *What to Know About ASCE's PE Review Course and How it Can Help You Succeed*

[Access the Webinar](#)

On-Demand Webinar Packages

Take advantage of savings by ordering complete on-demand webinar packages versus purchasing on-demand webinars individually.

[Learn More](#)

On-Demand Learning

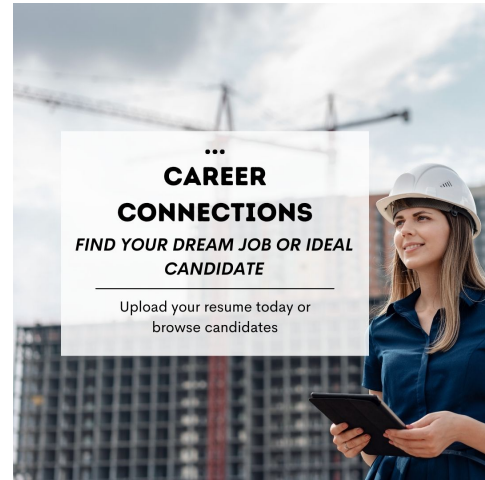
- Choose your topic and learn on your own time.
- Industry's largest catalog of on-demand topics
- Convenient 24/7 access
- Individual and organization rates

[Learn More](#)

ASCE Career Connections

Interested in finding a first job, a new job, or hiring a top notch candidate? Our [Career Connections](#) page will put you in touch with the right people!

- Upload your resume
- Browse candidates
- Connect with potential employers or employees

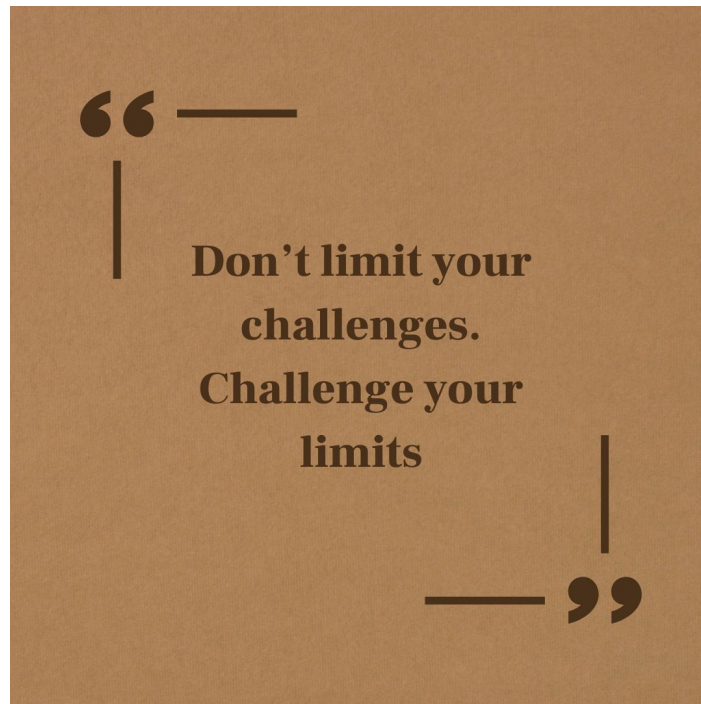


Get Involved!

Want to participate more with T&DI, but aren't sure exactly what to do or how to do it? No problem! There are plenty of opportunities to get involved! Visit the [ASCE Communities Page](#) to find the best fit for you.



Motivation Minute



Breast Cancer Awareness Month

October is Breast Cancer Awareness Month and T&DI honors those in the fight, those we've lost, and those who've witnessed its devastation. Screenings are available through most health care providers and are relatively easy - early detection saves lives.



"The natural healing force within each of us is the greatest force in getting well.".

— Hippocrates

Thank you to all of our members! Be safe, be well.

Follow us on Social Media!



Questions? Comments? Concerns? Want to contribute to the next issue?
Please contact Melissa Willis at mwillis@asce.org



ASCE WORLD HEADQUARTERS | 1801 Alexander Bell Drive, Reston, VA 20191-4382
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