



T&DI CONNECTIONS

September 2022

KEY HIGHLIGHTS

- ICTD 2023 and Pavements 2023 Call for Submissions Closes Oct. 13
- FY 2023 Board and Committee Chair Changes
- Francis C. Turner Lecture Featuring Dr. Eyad Masad on Sept. 28

Letter from T&DI President David Noyce

Where Does the Time Go?

Many quotes, song lyrics, and messages of friendly advice I have received over the years suggest that life goes faster than you think, so don't blink! I wholeheartedly agree! A year has passed very quickly and my term as President of T&DI will come to an end on September 30. Where did the year go?

When I wrote to you last October, I said...



David A. Noyce, Ph.D., P.E.,
F.ASCE, President, Transportation
& Development Institute (T&DI)
American Society of Civil
Engineers (ASCE)

[Read More](#)

INSTITUTE NEWS

Submit Abstracts Today for ICTD 2023 and Pavements 2023

Call for submissions for the [ASCE International Conference on Transportation & Development \(ICTD 2023\)](#) and the [International Airfield and Highway Pavements Conference \(Pavements 23\)](#) are open through October 13. Interested parties may submit their abstracts for either [ITCD 2023](#) or [Pavements 2023](#) by the October 13th deadline. Early submission is strongly encouraged.

The deadline for submissions is October 13, 2022.



Annual Leadership Changes Begin October 1

A new fiscal year always brings change, and we're delighted to announce that [Roger Millar](#) will be taking the helm as the new T&DI President for 2023. Roger is a great asset to the institute and will bring much leadership and transportation experience to this position. He is the current Secretary of Transportation for Washington State, incoming President of AASHTO, and ICTD 2022 conference co-Chair.

Our incoming Vice President, [Chandra Bhat](#), is also a man of great distinction. Dr. Bhat is the Joe J. King Endowed Chair Professor in Engineering and University Distinguished Teaching Professor at the University of Texas at Austin. He's a nationally and internationally recognized researcher and leading expert in travel demand modeling and travel behavior analysis, and the winner of many prestigious awards.

Join us in welcoming Roger Millar and Chandra Bhat to their new positions!

Of course, we would be remiss if we didn't extend the sincerest of thanks to David Noyce for a fantastic year of leadership. Thank you once again, David! It was a great year for T&DI!

Additionally, many of our committee Chairs will be turning the reigns over to Vice Chairs and other outstanding members who will be wonderful leaders in their respective committees.



Roger Millar
T&DI President

Secretary of Transportation
WSDOT
Incoming President of AASHTO
ICTD 2022 Co-Chair



Chandra Bhat
T&DI Vice President

Joe J. King Endowed Chair Professor
University Distinguished Teaching
Professor
University of Texas at Austin

Join us on September 28 for Francis C. Turner Lecture by Dr. Eyad Masad

Join T&DI and 2022 [Francis C. Turner Award](#) recipient Dr. Eyad Masad, Ph.D, P.E., F.ASCE, for his virtual Francis C. Turner Award Lecture, **"Advancing Asphalt Pavements Through Mechanistic and Microstructure Analysis,"** on Wednesday, September 28, 2022 at 12PM ET. This lecture will discuss how to optimize asphalt pavement design while considering resilience, transportation demand, smart infrastructure, and sustainability. Don't miss it!

This event is free to attend, but advanced registration is required.



Wednesday, September 28, 2022
12 PM - 1 PM ET

**Advancing Asphalt Pavements
Through Mechanistic and
Microstructure Analysis**

Dr. Eyad Masad, Ph.D, P.E.,
F.ASCE

Register for Sept. 28

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. Yinhai 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

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 October 1:



Walter L. Huber Civil Engineering Research Prizes

Honoring achievements in civil engineering research, named after former ASCE President Walter L. Huber.



Arthur M. Wellington Prize

For papers on transportation on land, on the water, in the air, or on foundations and closely-related subjects, not including contributions in the form of reports and manuals.



ASCE State-of-the-Art of Civil Engineering Award

For gifted practitioners who review and interpret the state-of-the-art for the benefit of their colleagues, scholarly review, evaluation, and documentation of the scientific and technical information needed by the profession.



Norman Medal

The scholarly review, evaluation, and documentation of the scientific and technical information needed by the profession. Recognizes a paper that makes contributions to either



J. James R. Croes Medal

Named in honor of the first recipient of the Norman Medal, John James Robertson Croes, Past President, ASCE. Nominations for this award are papers nominated for the Norman Medal.

practical or research aspects
of engineering disciplines.

Nominations Due by October 15:

Airfield Pavement Practitioner Award

To recognize practicing airfield pavement engineers who have demonstrated leadership or special achievements in airfield pavement projects, advanced airfield engineering, and have shown leadership in the development of younger member attitudes toward the profession.



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



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.

achievements
toward that goal.



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.

Younger Member News

Younger Member Spotlight - Taraneh Ardalan



Taraneh Ardalan has always had a thing with cars.

The daughter of a car enthusiast, she was passionate about all things cars at an early age. She could identify road signs and what they meant, she knew the make and model of specific cars, she loved taking road trips, and even learned how to drive – all in elementary school! After discovering that she was also great at physics and math, she realized that Civil Engineering was the perfect path forward and became a traffic engineer.

Taraneh earned her Bachelors degree in her native Iran and began her first job soon after graduation. As the only female engineer in the company, she quickly understood the difficulty she would face as a female engineer in Iran and moved to the U.S. to pursue her Masters and PhD. The first months here were challenging as she learned a new language, new cultures, and that the lack of female engineers is a global problem; but after four years, she's thriving and proud to be here.

Both academically and professionally, Taraneh's work focuses on traffic management, sustainability, and multi-modal pedestrian-friendly

transportation systems. While earning her Masters at Florida Atlantic University (FAU), she worked with the Florida Department of Transportation on two different projects related to freight transportation and traffic signal priority that she absolutely loved; and now in the third year of her PhD studies at the University of Pittsburgh, she's working with the Pennsylvania Department of Transportation on "Tactical Urbanism," encouraging people to use more pedestrian-friendly modes of transportation while improving sustainability. Her dissertation, which she'll be defending next fall, involves developing traffic signal controllers favoring multi-modality while considering sustainability.

When asked about what she hopes to accomplish, Taraneh says she doesn't want to just be a "normal" engineer – she wants to leave a huge, innovative legacy that not only can she be proud of, but that others can be proud of, too.

In addition to her jam-packed academic and professional schedule, Taraneh has a lot of hobbies and is a "make things happen" kind of person. While at FAU, she learned about ITE, ASCE, and [WTS](#) (in that order) and discovered that there was no WTS student chapter, so she created one. same and established the WTS student chapter at UPITT. She enjoys outdoor activities like camping, hiking, and swimming, and she teaches Pilates. Taraneh also enjoys going to astronomy events and photography – she's even published a book titled, "[Awakening from a Deep Sleep](#)," that sold many copies and has won several photography awards. Unfortunately, it is currently out of print.

And she still loves cars. Her dream car is defiantly a car with manual transmission.

"When driving with an automatic, it doesn't feel like you have as much control over the car and you can't show off your driving skills. And on top of that, when using a manual transmission, it feels like the car is talking to you."

The quote she likes to live by is, ***"If you want, you can. If there's a will, there's a way; and if there's no way, pave one."***

Thank you so much for letting us feature you, Taraneh! It was such a pleasure!

Taraneh is hoping to finish her Ph.D. by the end of 2023 and she loves networking. Do you share a common interest or know of an opportunity that Taraneh might be interested in? Feel free to contact her via [email](#) or connect with her on [LinkedIn](#)!



A New and Improved LinkedIn Experience is Here

We've moved! We're making some changes to better serve you, including making our new page easier to find and to share information. Please follow us on our new [LinkedIn Showcase Page](#)!



CHAPTER NEWS

ASCE T&DI UIUC Chapter Kick-Off the Fall Semester

The ASCE T&DI [student chapter at University of Illinois at Urbana-Champaign](#) kicked-off the Fall semester with an ice skating social event. The newly elected board members have exciting professional and social events planned for the academic year 2022-2023. You can find us on [LinkedIn](#) or [Instagram](#) to find out more!



Miami-Dade Branch Hosts 4th Annual Networking Event

T&DI's Miami-Dade Branch hosted its 4th Annual Networking Event on July 19th 2022. The event included a networking social and technical talk by MDX Executive Director, Darlene Fernandez.

Darlene M. Fernandez has worked as a transportation professional for the past 20 years both in the public and private sector. Ms. Fernandez is the Executive Director of the [Miami-Dade Expressway Authority](#) (MDX). MDX was created in 1994 by the Miami-Dade County Commission to establish local control over the toll revenue collected on five expressways for investment of local transportation infrastructure. Ms. Fernandez is the first woman to lead MDX and the third Executive Director in its 30-year existence.

The event traditionally hosts a local representative and hot topic in the local community related to Transportation. There were 10 sponsors and over 80 attendees, ranging from government employees, local engineers and college students.



ASCE NEWS

ASCE Leaders Talk about the Future of Infrastructure at Japan Society of Civil Engineers (JSCE) Event

Former T&DI President, ASCE Future World Vision leader, and President of Palisades Consulting, Eva Lerner-Lam, and ASCE Chief Communications Officer, Jane Howell, joined a panel at the Japan Society of Civil Engineers (JSCE) 2022 Annual Meeting to discuss the possibilities of what the future holds for our cities and civil infrastructure. The meeting was held earlier this month as a hybrid event in Kyoto, Japan, with virtual participation by ASCE panelists. Representing ASCE, Eva Lerner-Lam shared the value of ASCE's national and state report cards and the usefulness of our Future World Vision initiative in re-imagining the built world of tomorrow.



ASCE Innovation in Sustainable Engineering Award



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](#)

INDUSTRY NEWS

FHWA Issues Final Rule on Minimum Levels of Retroreflectivity for Pavement Markings

In August, the Federal Highway Administration [published a final rule](#) to update the Manual on Uniform Traffic Control Devices (MUTCD) to provide standards, guidance, options, and supporting information relating to maintaining minimum levels of retroreflectivity for pavement markings. The rule became effective September 6, 2022 and applies to longitudinal pavement markings on public roads with speed limits of 35 mph or greater.

According to the rule, the purpose of the update is to, “advance safety and mobility by assisting with the nighttime visibility needs of drivers”, while acknowledging the secondary benefit of improved operational function with advanced driver assistance systems (ADAS) and automated driving systems (ADS).

Earlier this month, FHWA presented a webinar on Maintaining Minimum Pavement Marking Retroreflectivity followed by Q&A. You can [view that webinar here](#) (when prompted, enter password “V=nj*f0”)

**Do not leave a space after the passcode as it won't work.*

[View the Webinar Replay](#)

ASCE GOVERNMENT RELATIONS UPDATE

Federal Railroad Administration Announces Funding Availability for CRISI Program

The Federal Railroad Administration (FRA) on September 2nd issued a [Notice of Funding Opportunity](#) (NOFO) making \$1.4 billion available through the [Consolidated Rail Infrastructure and Safety Improvements \(CRISI\) Program](#). The program supports projects to modernize freight and passenger rail infrastructure. Another goal of the program is to improve safety through projects such as grade crossing enhancements, rail line relocations, workforce training, and research of railroad safety technologies. Applications are due by December 1st. The [Infrastructure Investment and Jobs Act](#), which ASCE strongly supported, more than tripled funding for CRISI, including \$5 billion over five years for the program.

National Infrastructure Advisory Council Appointees Include Two ASCE Leaders

President Joe Biden recently [announced](#) his intent to appoint 26 people—including two ASCE leaders—to serve on the [National Infrastructure Advisory Council](#) (NIAC). Among the appointees are Maria Lehman, P.E., ENV SP, F.ASCE, ASCE's President-Elect, and Norma Jean Mattei, Ph.D., P.E., F.SEI, F.ASCE, who served as President of ASCE in 2017 and currently sits on the ASCE New Orleans Branch's Chapter of the Structural Engineering Institute. Established in 2001, the NIAC advises the White House on how to reduce physical and cyber risks and improve the resilience of the nation's critical infrastructure. [ASCE looks forward](#) to working with the NIAC and wishes Maria and Norma Jean well in their new national leadership roles.

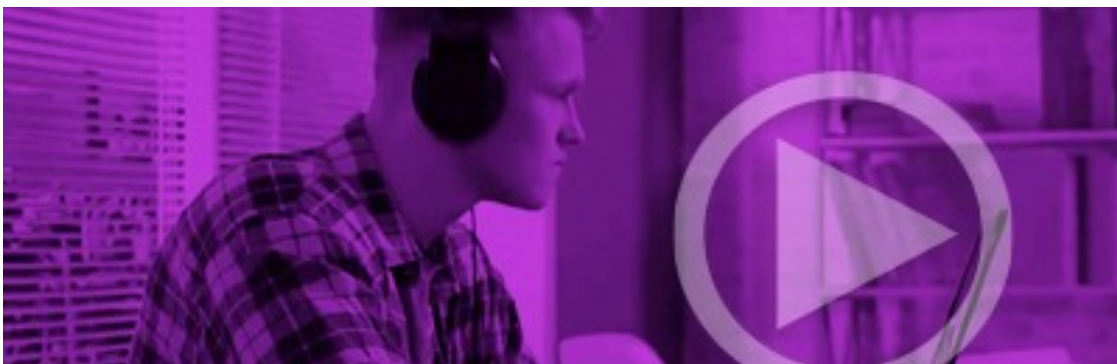
Federal Aviation Administration Issues Grants for STEM Outreach

The Federal Aviation Administration (FAA) [awarded](#) \$231,000 in grants to support science, technology, engineering, and mathematics (STEM) outreach to students. The grants, issued to three universities, will support efforts that target students who are under-represented in STEM and aviation fields. North Carolina State University received \$125,000 in grant funding, while Kansas State University received \$100,000 and Ohio-based Sinclair Community College received \$6,000. Using the grants, the recipients will design and conduct drone-centered immersion programs, summer camps, after-school programs, and community outreach efforts geared toward students from elementary, middle, and high schools. [ASCE supports](#) programs that foster an education in STEM, a field that is closely linked with the nation's economic prosperity, social well-being, and environmental sustainability.

New Reports Track Road Safety Trends

The National Safety Council (NSC) in late August released [preliminary estimates](#) indicating 21,340 people died in roadway crashes during the first six months of 2022, marking a 1% decrease compared to the same period in 2021. The figures were released less than one week after the National Highway Traffic Safety Administration (NHTSA) released [early estimates](#) indicating 9,560 people died in crashes during the first quarter of 2022, which is an increase of 7% compared to the same period last year. While this 1% decrease in deaths during the first half of 2022 may indicate good news, NSC data shows 2022 fatalities are still up 15% when compared to 2020 levels. On September 1st, the Governors Highway Safety Association (GHSA) [released](#) a report titled “America’s Rural Roads: Beautiful and Deadly”, which examines rural road safety issues. The [report](#) found that nearly half of all fatal crashes occur on rural roads, even though only 19% of the country’s population lives in rural areas. [ASCE Policy Statement 552](#), Vision Zero, calls for safety to be the primary consideration in transportation decision-making.

CONTINUING EDUCATION OPPORTUNITIES



Continuing Education 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 programs](#).

Guided Online Courses

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

- *highly engaging*
- *6 and 12-week*
- *self-paced*
- *use any device*



Construction of Port Facilities

Sep19 – Dec 9, 2022

[Learn More](#)

Marine Container Terminal Planning

Sep19 – Dec 9, 2022

[Learn More](#)

Permeable Pavements: Design, Construction, and Maintenance

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

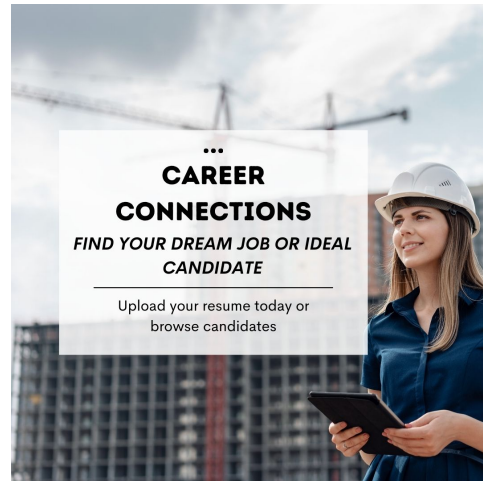
- Choose your topic and learn on your own time.
- Industry's largest catalog of on-demand topics
- Convenient 24/7 access
- Individual and organization rates

[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



National Hispanic Heritage Month

National Hispanic Heritage Month is September 15 - October 15. To all of our Latino and Latina members - thank you for being a part of our community and we're happy to celebrate you!

"It is not true that people stop pursuing dreams because they grow old, they grow old because they stop pursuing dreams."

— Gabriel García Márquez



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

mwillis@asce.org is subscribed to the ***T&DI Newsletter***.

[Unsubscribe from all](#) | [Manage my email preferences](#)