



T&DI CONNECTIONS

June 2022

KEY HIGHLIGHTS

- ICTD 2022 Wrap Up and Look Ahead to 2023
- Pavements 2023 to be Co-located with ICTD 2023 in Austin
- T&DI Announces Jack E. Leisch Memorial Fellowship Winner
- T&DI Partners with ACUUS on Planning Underground Communities
- Views on the Future of Transportation & Infrastructure

Letter from T&DI President David Noyce

The 'A-Team' Shines at ICTD 2022!

Some of you may recall an action-fiction television show from the early 1980's called the A-Team. Our younger T&DI members may better recall the 2010 movie version of the A-Team that starred Liam Neeson, Bradley Cooper, and Jessica Biel, amongst others. Each episode of the A-Team began with the development of an elaborate plan to achieve a seemingly unachievable objective, showed the action-packed execution of the plan, and of course for our entertainment, always concluded with the successful achievement the objective as originally conceived and planned. The famous catchphrase at the end was always, "I love it when a plan comes together!"



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

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INSTITUTE NEWS

ASCE ICTD 2022 and APM-ATS 2022 Held in Seattle, Washington

The ASCE [International Conference on Transportation & Development \(ICTD 2022\)](#) and [International Conference on Automated People Movers and Automated Transit Systems \(APM-ATS 2022\)](#) hosted almost 1000 attendees in Seattle, Washington, from May 31 to June 3, 2022. The event covered an extended program over four days, jointly developed by T&DI and the [Washington State Department of Transportation \(WSDOT\)](#). The program included five plenary sessions, sixty breakout sessions delivered in eight concurrent tracks, five workshops and roundtables, six technical tours, one icebreaker reception, one awards luncheon, one technical committee expo and reception, one offsite social for younger members, two days of exhibit hall access, one poster session and reception with about 280 posters, and post-conference proceedings with almost 200 papers in eight different volumes. On behalf of the Conference Steering Committee, we would like to thank all our attendees, speakers, moderators, poster

presenters, exhibitors, and sponsors. We hope to see you at ICTD-Pavements 2023, scheduled to be held in Austin, Texas from June 14 to 17, 2023.



Two Conferences in One: Pavements 2023 to be Co-located with ASCE ICTD 2023 in Austin

The ASCE International Airfield and Highway Pavements Conference (Pavements 2023) will co-locate with the ASCE International Conference on Transportation & Development (ICTD 2023) at the Hilton Austin, right in the heart of downtown activities, from June 14 to 17, 2023. The conferences will hold their own independent programming and sessions while sharing joint super-plenaries, a common exhibit hall, meal and networking functions, and awards luncheon. Attendees will have access to both conferences for the registration price of one. Please mark your calendars for June 14 to 17, 2023, and plan to join us in Austin. Websites and call for submissions for these conferences are scheduled to launch in early August.



Leaders from Industry and Academia Recognized at ASCE ICTD 2022 Awards Luncheon

Congratulations to all ASCE-T&DI award winners! We are delighted that most of you were able to join us at ASCE ICTD 2022 to receive your awards.

- Eyad A. Masad, Texas A&M University, Francis C. Turner Award
- Konstantina (Nadia) Gkritza, Purdue University, Frank M. Masters Award
- John T. Harvey, University of California at Davis, James Laurie Prize
- Hasan Ozer, Arizona State University, Wilbur S. Smith Award
- Amiy Varma, AAJ and North Dakota State University, Harland Bartholomew Award
- Imad Al-Qadi, University of Illinois at Urbana-Champaign, Robert Horonjeff Award
- Rich Thuma, Crawford, Murphy, and Tilly (CMT), Airfield Pavement Practitioner Award
- Cole Kopca, University of Washington, T&DI Outstanding Younger Member Award



T&DI Holds 20th Anniversary Celebration at ICTD 2022

The [Transportation & Development Institute \(T&DI\)](#) celebrated its 20th anniversary at the ASCE [International Conference on Transportation & Development \(ICTD\)](#) in Seattle with heavy emphasis on the 20th anniversary logo and branding. The experience started with 20th anniversary hotel key cards and culminated at the Awards Luncheon, attended by eight (8) of the Institute's past Presidents. The ceremony kicked off with a luncheon with opening remarks by [Shailen Bhatt, Senior Vice President - Global Transportation Innovation and Alternative Delivery at AECOM](#). It followed with an awards presentation ceremony honoring the winners of the 2021 ASCE-T&DI Awards, recognition of T&DI Presidents in attendance, a luncheon keynote address on the history of T&DI by founding President Kumares Sinha of Purdue University, and closing remarks by ASCE President Dennis Truax.

It is our honor to recognize our past Presidents for their exceptional contributions to T&DI and to transportation and development professionals around the world: Robert Costigan (FY03), Kumares Sinha* (FY04), Robert Stevens* (FY05), Eva Lerner-Lam* (FY06), Louis Cohen (FY07), Kam Movassaghi (FY08), Matthew McDole (FY09), Marsha Anderson Bomar* (FY10), (Late) Terry Donovan (FY11), Ali Selim (FY12), Mike Walton

(FY13), Imad Al-Qadi (FY14), Brian McKeehan (FY15), Lenor Bromberg* (FY16), Kelvin Wang* (FY17), David Hein (FY18), Yinhai Wang* (FY19), Ernie Heymsfield (FY20), and Rick Boudreau* (FY21).

**Attended the 20th anniversary celebrations at ICTD 2022.*



Committee on Underground Communities: T&DI Board Votes for MOU with ACUUS

At its May 2022 meeting, the T&DI Board approved a partnership with the Associated Research Centers for the Urban Underground Space (ACUUS) to set up a Committee on Planning & Development of Underground Communities under [T&DI's Planning & Development Council](#). This will be a new area of technical advancement for T&DI and is an area of growing importance in dense urban regions with space limitations. If you have interest and experience in planning and development of underground communities and would like to participate in this proposed activity at T&DI, please contact us at tanddi@asce.org.

T&DI Announces Lan Ventura as Jack E. Leisch Memorial Fellowship Winner

ASCE's Transportation & Development Institute (T&DI) is pleased to congratulate Lan Ventura, a Ph.D. student at Texas Tech University, on winning the 2022 Jack E. Leisch Memorial Fellowship Award. The Jack E. Leisch Fellowship is a memorial to the outstanding professional accomplishments and contributions of Jack E. Leisch, M. ASCE, to the fields of geometric design, traffic engineering, and transportation planning.



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ASCE's Jerry Buckwalter Speaks on the Future of Transportation

Technology is developing at breakneck speed, and the application of emerging tech is transforming businesses and industries practically overnight. The [Center for Public Policy Innovation \(CPPI\)](#) has introduced a series of short videos with experts from across industry and government to better understand our changing world and what this means for us.

Jerry Buckwalter is a senior thought leader and Chief Innovation Officer at the American Society of Civil Engineers, where he spearheads a multi-year initiative called Future World Vision, looking at how infrastructure is being re-imagined, redesigned, and reinvented. Jerry has enjoyed a fascinating career developing and deploying new technology across multiple sectors. He also serves on the CPPI Board of Directors.

You can access Jerry's stimulating 25-minute talk on the future of transportation and infrastructure below. We also encourage you to visit [ASCE's Future World Vision website](#) to learn more about the initiative and experience the future by immersing in the free Mega City 2070 desktop platform.



Younger Member News

Younger Member Spotlight - Hampton Worthey



Hampton Worthey has always wanted to leave an imprint on society.

As a child growing up in South Georgia, he knew he liked building things and enjoyed math and science – a hallmark of a future engineer. As a mechanical engineering student at the University of Georgia living only a couple hours from the world's busiest airport, and with the guidance of a talented civil engineering professor, he realized that his true passion was in

transportation – specifically air transportation. He completed both his Bachelors of Science and Masters of Science degrees at UGA and has never looked back.

Today, he's an Engineer at Michael Baker International, where he passes Atlanta Hartsfield-Jackson International Airport every day. He's proud that his office worked on the [End-Around Taxiway](#), which has been his favorite project to date. With his love of airports and his passion for improving public transportation, Hampton would like to become a Project Manager at an airport – particularly Hartsfield – where he can oversee a project from start to finish.

Hampton enjoys competitive sports including football, golf, and rock climbing, and is happy to have finally met people face-to-face at the [International Conference on Transportation and Development](#) (ICTD-APM-ATS) 2022 after speaking to them virtually for so long; but he doesn't like dessert. His best advice? ***"Pursue every opportunity that comes your way because you never know what can happen."***

Thanks for letting us feature you, Hampton!



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](#)!



FHA Announces Long-Term Infrastructure Performance (LTIP) Student Data Analysis Contest

The Federal Highway Administration is pleased to announce the [2022 Long-Term Infrastructure Performance \(LTIP\) Student Data Analysis](#)

This contest encourages university students to use pavement or bridge performance data to study the various factors affecting long-term pavement and bridge performance, and to develop a technical paper documenting their research.

Undergraduate and graduate students enrolled in a college or university in the United States in 2022 are eligible to enter the contest. While students must be the primary authors, faculty may participate in an advisory role and be coauthors of the paper.

Here is a [sample of an exemplary paper](#). For more information, visit [InfoPave](#) or [InfoBridge](#).

Contest submissions are due by Friday, July 29, 2022, 11:59 p.m. ET.

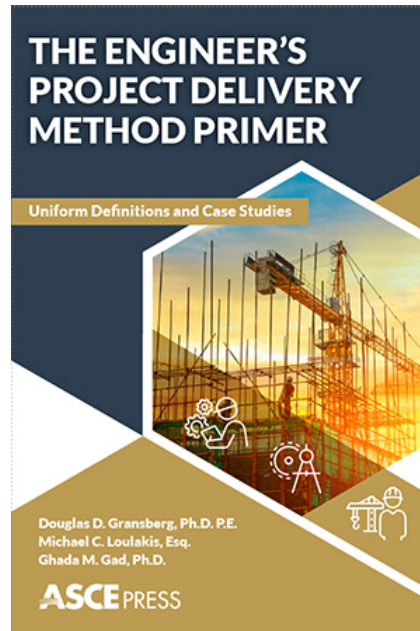
CHAPTER NEWS

UIUC Chapter Holds Kayaking Trip



The ASCE T&DI [UIUC](#) student chapter organized a kayaking trip at Kickapoo state recreation area on June 4th. Thanks to all members and friends who showed up! We're looking forward to a new semester and many new ideas and events!

ASCE Press Releases New Book: *The Engineer's Project Delivery Method Primer: Uniform Definitions and Case Studies*



Authors Gransberg, Loulakis, and Gad define prevalent terms in the US design and construction industry and provide diagrams that explain the Big Three fundamental project delivery methods, visually displaying each method's contractual relationships between the owner, design, and contractor.

Public and private sector owners have a wide variety of options when it comes to delivering their capital projects. Selecting the right delivery method for a particular project requires the owner to not only have a deep understanding of the attributes of available delivery methods but also the procurement and contracting approaches that best work with those methods.

The Engineer's Project Delivery Method Primer: Uniform Definitions and Case Studies brings clarity to the definitions and sometimes complex and conflicting terminology associated with project delivery methods. It does this by providing a comprehensive explanation of each delivery method, including

- The "Big Three" delivery methods – Design-Bid-Build, Construction Manager-at-Risk, and Design-Build
- Variations on the "Big Three," such as multiple prime contracting, EPC, and EPCm
- Public-Private Partnerships
- Integrated Project Delivery
- Indefinite Delivery/Indefinite Quantity contracts. In addition to providing a detailed discussion of the attributes of and case studies for each delivery method, readers will learn about
- Procurement and contracting approaches commonly used for the method
- Roles, responsibilities, and contractual relationships among the participants involved in the method
- Legal principles affecting the method

This book gives owners and practitioners what they need to understand capital project delivery, procurement, and contracting.

ASCE Library

Buy the Book

ASCE GOVERNMENT RELATIONS UPDATE

Federal Railroad Administration Awards \$368M in Rail Infrastructure Grants

The Federal Railroad Administration (FRA) on June 2nd [announced](#) \$368 million in awards through the [Consolidated Rail Infrastructure and Safety Improvements](#) (CRISI) grant program. These grants, which will support 46 rail infrastructure modernization projects in 32 states and the District of Columbia, represent the last round of pre- [Infrastructure Investment and Jobs Act](#) (IIJA) CRISI grants. According to the FRA, the agency received more than \$1.1 billion in CRISI requests during this round of applications. Rail received a 'B' on ASCE's [2021 Report Card for America's Infrastructure](#). ASCE recommends encouraging passenger rail infrastructure investment in high-population centers and supporting concepts that would improve the multimodal freight network.

House of Representatives Subcommittee Holds Hearing on Roadway Safety

The House Committee on Transportation and Infrastructure's Subcommittee on Highways and Transit held a [hearing](#) June 8th to examine ways to address roadway safety concerns. ASCE submitted a [statement for the record](#) to the subcommittee and supports [Complete Streets](#) policies that account for the needs of all system users, such as pedestrians, bicyclists, drivers, and transit users, in the design and construction of transportation networks. Recent federal data indicates a troubling trend in traffic fatalities. The National Highway Traffic Safety Administration (NHTSA) in May [released estimates](#) that indicate 42,915 people died in traffic crashes in 2021. This figure marks a 10.5% increase from the traffic deaths recorded in 2020.

FAA Announces Additional Awards Through Airport Improvement Program

The Federal Aviation Administration (FAA) [announced](#) on June 7th that \$518 million has been awarded through the [Airport Improvement Program](#) (AIP), which supports infrastructure projects pertaining to runways, taxiways, airport signage, and lighting. This round of awards, the second announced through the AIP this year, includes 416 grants to airports across the country. FAA has published an [interactive map](#) to indicate where grants were awarded. The [Infrastructure Investment and Jobs Act](#) (IIJA), which ASCE strongly supported, provides \$3 billion annually from fiscal year (FY) 2022-2026 for the AIP.

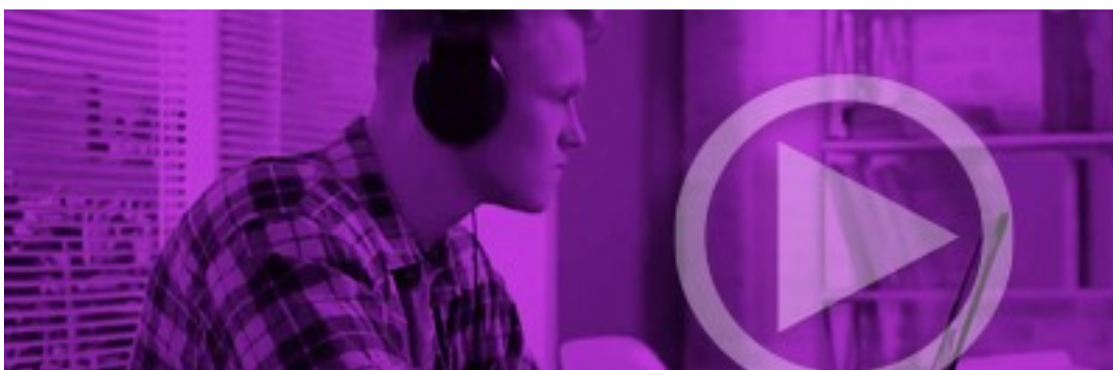
White House Launches Initiative to Encourage Adoption of Latest Building Codes

The White House [announced](#) June 1st the National Initiative to Advance Building Codes, an effort to help state and local governments be more resilient by adopting the most up to date building codes and standards. The Biden Administration intends to use the initiative to incentivize recipients of federal funding to meet modernized building standards to the "greatest extent feasible" and will use \$225 million from the [Infrastructure Investment and Jobs Act](#) to encourage local adoption of modernized building codes. ASCE is a long-time advocate for the widespread adoption and enforcement of modern, up to date building codes as the most reliable way to ensure our nation's infrastructure is resilient to increasingly strong storms. For more on ASCE's work on building codes and standards, please [click here](#).

House Passes Water Resources Development Act

On June 8th, the House of Representatives passed [H.R. 7776, the Water Resources Development Act \(WRDA\) of 2022](#), the biennial water infrastructure bill, with a strong bipartisan vote of [384-37](#). The House's WRDA includes several provisions supported by ASCE, such as a three-year reauthorization of the National Levee Safety Program, which was a top priority for ASCE. The legislation also includes provisions to improve climate resilience for coastal repair and restoration projects, authorizations for expanded dredging activity, and provisions to improve the safety of the nation's dams and levees. The Senate is expected to take up [its version of WRDA](#) this month, which is expected to be followed by a House-Senate conference committee to produce a negotiated final bill. For more on WRDA 2022, please see [ASCE's latest background memo](#).

CONTINUING EDUCATION OPPORTUNITIES



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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*



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Installation**

Jul 18 - Aug 26, 2022

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**Port Operations
and Maintenance**

Jul 18 - Aug 26, 2022

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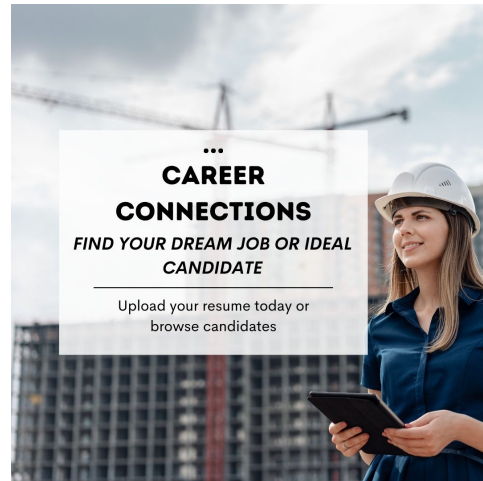
- Choose your topic and learn on your own time.
- Industry's largest catalog of on-demand topics
- Convenient 24/7 access
- Individual and organization rates

[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



Pride Month

Thank you for helping us
celebrate Pride Month!

*“Be yourself; everyone else is
already taken.”*

-Oscar Wilde



Thank you to all of our members!

Follow us on Social Media!



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



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