City infrastructure is evolving to achieve climate-resilience that supports safer, healthier, prosperous, and decarbonized communities. Through technologies like open digital twins and AI, cities of the future can revolutionize urban planning and infrastructure design and construction, as well as optimize city operations and maintenance, above and below ground.

This breakout session will share how Bentley is helping city leaders to better leverage the city data ecosystem to achieve greater situational awareness and collaboration to relieve industry pressures.

Who you'll hear from:
- Blaine Buenger, technology director, Foth
- Jamie Cudden, smart city program manager, Dublin City Council
- Jerry Dehn, vice president of global technical excellence, Jacobs
- Prof. Zoltan Nagy, director of the Intelligent Environments Laboratory/assistant professor of civil, architectural, and environmental engineering at the University of Texas
- Richard Vestner, vice president of cities, Bentley Systems

Questions you'll have answered:
- Why is connecting digital to physical infrastructure critical to the success of cities of the future? What actions can city leaders take today to make their city infrastructure smarter and more resilient?
- What does humanizing infrastructure mean and why is it important to advancing cities?
- How can AI-powered infrastructure digital twins help to address the needs of citizens, especially those living with disabilities?
- How can we alleviate the skills shortage with AI-powered digital twins?
- How can cities solve the complexity of infrastructure and move toward intelligent environments?
- What is the research telling us and what do we need to do today for a better tomorrow?

What you'll learn:
- Cities are growing rapidly, and their infrastructure needs to keep up.
- Infrastructure and the professionals responsible for designing, building, and operating it are under pressure from growing demand, limited resources, climate change, and more.
- The University of Texas, Foth, Jacobs, and Dublin City Council are using digital twins to transform how they design, build, and operate critical urban infrastructure.
- Software companies are supporting city leaders by providing the technology to make informed, data-driven decisions to improve urban living.
- Open, AI-powered digital twins help infrastructure professionals collaborate and bring together engineering, enterprise, and operational data, above and below ground, in a geospatial context and at scale, to improve infrastructure delivery and performance across the lifecycle.

Interesting facts:
- By 2050, 70% of the world's population is expected to live in cities.
- 1.5 million people will move to cities per week in the next 25 years.
- 75% of the infrastructure needed to accommodate new city residents by 2050 has yet to be built.
- Cities today are already responsible for 70% of carbon dioxide emissions, require two-thirds of the world's energy, and cause hundreds of hours of traffic delays.

For more information, please contact Bentley PR at PR@news.bentley.com.

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