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American Society of Civil Engineers



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## The Power of the Digital Twin

**JP Gauthier**, *Principal Consultant, Design & Engineering, Bentley Systems*  
**Taylor Gilmore**, *Director of Product Management, Bentley Systems*  
**Jeff Purse**, *Senior Account Manager, Bentley Systems*  
**Todd Roberts**, *Regional Director, Infrastructure IoT, Bentley Systems*  
**Glenn Worrall**, *iTwin Developer of Product Management, Bentley Systems*

**Monday, May 9, 2022**

**Zoom Webinar**  
**10:00 AM - 11:00 AM**

Forbes defines a digital twin as “a virtual model of a process, product, or service. This pairing of the virtual and physical worlds allows analysis of data and monitoring of systems to head off problems before they even occur, prevent downtime, develop new opportunities, and even plan for the future by using simulations.” The concept of the digital twin was introduced to the world in 2002 and has been widely used in the automotive, manufacturing, and aerospace industries.

The engineering and construction industry is slowly catching on to the digital twin movement. Minnesota Department of Transportation, for example, has begun to rely on digital twin technology to assist with their bridge inspection processes.

During this hour-long webinar, representatives from Bentley will address the following questions:

- What is a digital twin and its purpose in project delivery?
- What are connections between design concept through construction- commissioning to O&M?
- How are sensors and IoT data interconnected with a Digital Twin?
- What do these workflows look like in production?
- What are the benefits to BSCES members?

**Registration Deadline: Thursday, May 5, 2022**

**Free for BSCES Members, \$45 Non-Members, \$20 Public Sector Non-Members**

### Information/Registration:

BSCES members can register for this webinar for free by clicking [here](#) and entering their member contact information. Non-members can register to attend this meeting and pay by credit card online [here](#). You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Paid cancellations received after Thursday, May 5, 2022 and no-shows will be billed.



**This presentation provides 1 Professional Development Hours (PDH)**

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