

NVIDIA GTC Dives Into the Industrial Metaverse, Digital Twins

At the virtual conference, discover how leading companies like Lowe's, Kroger and Siemens are entering the 3D-internet age by building and operating digital-twin simulations.

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This month's NVIDIA GTC provides the best opportunity yet to learn how leading companies and their designers, planners and operators are using the industrial metaverse to create physically accurate, perfectly synchronized, AI-enabled digital twins .

The global conference, which runs online Sept. 19-22, will focus in part on how NVIDIA Omniverse Enterprise enables companies to design products, processes and facilities before bringing them to life in the real world — as well as simulate current and future operations.

Here are some of the experts — from such fields as retail, healthcare and manufacturing — who will discuss the use of AI-enabled digital twins:

The Opportunity of the Industrial Metaverse , a panel discussion featuring Peggy Johnson, CEO of Magic Leap; Inga von Bibra, chief information officer of research and development at Mercedes Benz AG; Matthew Ball, CEO of Epyllion; Tony Hemmelgarn, CEO of Siemens Digital Industries Software; Dean Takahashi, lead writer at VentureBeat; and Rev Lebedev, vice president of simulation technology and Omniverse engineering at NVIDIA.

Lowe's: Fully Digitizing the World of Home Improvement , a panel discussion featuring Cheryl Friedman, vice president, and Mason Sheffield, director of creative technology at Lowe's Innovation Lab.

Customer-Driven Grocery Enabled by NVIDIA AI at Kroger , a fireside chat featuring Wesley Rhodes, vice president of technology transformation and research and development at Kroger, and Azita Martin, vice president of AI for retail and consumer packaged goods at NVIDIA.

Making Production More Sustainable With the Industrial Metaverse , a talk featuring Cedrik Neike, CEO of digital industries at Siemens AG.

The Rise of Transformer AI and Digital Twins in Healthcare , a special address featuring Kimberly Powell, vice president of healthcare and life sciences at NVIDIA.

Other sessions feature Guido Quaroni, senior director of engineering at Adobe; Matt Sivertson, vice president and chief architect for media and entertainment at Autodesk; and Steve May, vice president and chief technology officer at Pixar.

Plus, learn how to build a digital twin with these introductory learning sessions:

How to Build a Digital Twin: Full-Design Fidelity Visualization and Aggregation of 3D Data

How to Build a Digital Twin: Bringing in Robotics

Technical Breakout: How to Build a Digital Twin With NVIDIA Omniverse

For hands-on, instructor-led training workshops, check out sessions from the NVIDIA Deep Learning Institute . GTC offers a full day of learning on Monday, Sept. 19.

Register free for GTC and watch NVIDIA founder and CEO Jensen Huang's keynote on Tuesday, Sept. 20, at 8 a.m. PT to hear about the latest technology breakthroughs.

Feature image courtesy of Amazon Robotics.

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