

# CSCRL SPING SYMPOSIUM

AI AND THE FUTURE OF WORK IN SUPPLY CHAIN: PEOPLE, CULTURE  
AND PERFORMANCE  
APRIL 23-24, 2026

ABSTRACT

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## USING DIGITAL TWINS FOR SCENARIO PLANNING TO IMPROVE RESILIENCE IN SUPPLY CHAINS

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Today's supply chains are more complex than ever due to the sophistication of the products being built and the wide geographical spread of suppliers to fulfill those product requirements. The pandemic showed us how brittle supply chains can be using traditional approaches. As a result, there has been a strong push to increase the resilience of these complex supply chains. One method for doing this is to use digital twins of the supply chain for what-if scenario planning and analysis. This presentation walks through two examples of how supply chain digital twins can be used at the strategic level to guide companies on major initiatives to improve the resiliency of their supply chains. The lessons learned from these two examples are generalized for application to any supply chain.

