



On 30 April from 1200-1330, the New York City Post of the Society of American Military Engineers (SAME) will host a panel discussion titled “Using AI for Flood Forecasting.” Jeff Albee, Stantec’s Vice President of Digital Consulting and Solutions, will provide meaningful information and an engaging discussion. Unlike traditional models, which are static and based on past events, AI-driven models are dynamic and adaptive. They can continuously integrate new information, learn from it, and refine their predictions as conditions change. This ability to process and analyze large datasets in real-time allows AI and ML to account for the complex and ever-changing variables that influence flooding, such as evolving weather patterns, land use changes, and infrastructure development. Key points or learning objectives include the ability to (1) explain machine learning's role in informed decision-making; (2) integrate data to improve flood prediction models; (3) predict flooding severity and associated damages with AI; and (4) guide investment and planning decisions using AI insights