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Transforming Scientific Research with accelerated computing

Thursday 6 November 2025 15:00 (30 minutes)

This talk explores how Gen-AI is accelerating scientific discovery through advanced AI workflows. While Enterprise AI Solution provides a robust, portable platform across cloud, data center and edge, offering both application software for building AI agents and workflows, and infrastructure software to optimize GPU and accelerator usage in AI, data science, and HPC applications.

Generative AI is driving breakthroughs at an unprecedented pace across disciplines—from pharmaceuticals and materials science to astronomy and climate research. We will highlight recent advances, including the use of GPT-3 in the 2022 ACM Gordon Bell Special Prize for modeling SARS-CoV-2, climate modelling advances etc.

These examples demonstrate how AI-enabled workflows are reshaping scientific computing and creating new opportunities for innovation and collaboration.

Presenter: HALANI, Jigara (NVIDIA)

Session Classification: Software development and machines