



SEPTEMBER 26, 2024 | 02:00 PM | LRZ + ZOOM (HYBRID)

TALK WITH GEETIKA GUPTA/NVIDIA:
GENERATIVE AI

THIS TALK WILL BE PRESENTED IN ENGLISH!

LRZ (KOMMISSIONSRAUM) & ZOOM – PLEASE FOLLOW THIS LINK TO JOIN:
<https://lrz-de.zoom-x.de/j/67879367848?pwd=0NmRscwb7d3UMLZJCOPR6RXkUWIC64.1>

SPEAKER | Geetika Gupta

Geetika Gupta is a product lead for HPC+AI and Edge Applications. She has worked as a product manager for data center GPUs since the NVIDIA Kepler generation and now focuses on the convergence of HPC+AI and streaming data use cases.

Geetika holds an MBA from the Anderson School at UCLA and a bachelor's in mechanical engineering from IITBHU.

ABSTRACT

The intersection of generative AI and science is revolutionizing research and discovery across various scientific disciplines. Generative AI, capable of creating new content based on learned patterns, accelerates hypothesis generation, drug discovery, material design, and personalized medicine by simulating experiments and predicting outcomes. It enhances climate science, environmental modeling, and scientific communication through advanced data analysis and visualization. However, this integration also presents challenges, including data quality, interpretability, and ethical concerns, necessitating careful management to ensure responsible and effective use of AI in scientific research.

We are exploring use cases and relevant examples of how GenAI has been adopted by the research community and how NVIDIA has invested in tools, libraries and models to enable open research and collaboration.



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