

CONNECTION
COLLABORATION
COMMUNITY

June Lunch & Learn

PRESENTATION STARTS AT NOON CT

June 26, 2025



Mission

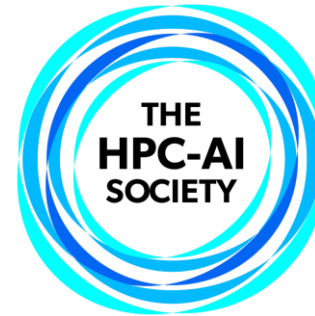
Educating & Connecting HPC and AI Users to Technology

- The HPC-AI Society is a vendor-neutral, charitable, non-profit 501(c)(3) organization
- Educates and connects the HPC and AI user community, industry, government, and academia with the latest technology and best practices
- Focus areas include: Simulation, AI/ML, Data Science, Graph Analytics, Cloud Computing, Quantum Computing, Cyber Security, and Visualization
- HPC and AI are horizontal technologies, with applications in Energy, Life Sciences, Engineering, Manufacturing, Weather & Climate, Financial Services, Government, and Academia



Member Benefits

Membership in the HPC-AI Society is open to all HPC and AI professionals serving all industries worldwide. If you are interested in participating in the Society's efforts to provide a vendor-neutral, user-centric organization that truly serves the needs of the HPC and AI community, please join us!



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Individuals can join the Society as Professional Members for an annual fee of just \$60.00

- No cost to attend all HPC-AI Society events
- View streamed events if not able to attend in person
- Receive access to:
 - Presentation materials (when approved by the presenting organization)
 - Streamed event recordings
 - Archived presentations and technical publications



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Member Benefits

Students can join the Society as Student Members **for free!**

- No charge to attend annual technology event
- Half price to attend Lunch & Learn events
- Receive access to:
 - Presentation materials (when approved by the presenting organization)
 - Streamed event recordings
 - Archived presentations and technical publications
- A valid .edu email address is required



Note: membership is for a full 12 months regardless of when you join (based on join date, not calendar date)

Coming soon: new job board for members and sponsors



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Recent HPC-AI Society Event Participation



40th anniversary of the world's leading forum for advancing the application of high performance computing in academia, government, and the private sector.

10-13 June 2025

London, UK



DOUG NORTON
President, The HPC-AI Society



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Upcoming HPC-AI Society Event Participation



TPC 25

Trillion Parameter Consortium Conference

28-31 July 2025

Doubletree Hotel

San Jose, CA



IMAGE '25

International Meeting for Applied Geoscience & Energy
Where Geoscience and Energy Leaders Come Together

26-29 August 2025

George R. Brown Convention Center
Houston, Texas



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Our Quantum Opportunity: Reimagine What's Possible

Joe Vetere

Senior Staff Quantum Engineer, Oak Ridge National Laboratory

Quantum computing is moving from theory to reality — but the biggest challenges ahead aren't just in the science, they're in the systems, strategies, and people that will bring it to life. In this session, Joe Vetere shares how a 20+ year career in technology leadership led him to quantum engineering at Oak Ridge National Laboratory.

Through his story, Joe explores what's needed beyond the lab to turn quantum potential into real-world impact — from building the right infrastructure to preparing the workforce of tomorrow. This session is a call to action for leaders across tech to get involved, reimagine what's possible, and help shape the future while it's still being written.



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Our Quantum Opportunity: Reimagine What's Possible

Joe Vetere

Senior Staff Quantum Engineer, Oak Ridge National Laboratory

Joe is a Senior Staff Quantum Engineer at Oak Ridge National Laboratory, where he develops next-generation quantum communication systems, superconducting and photonic detector architectures, and benchmarking protocols for national-scale quantum computing initiatives. He works across deep space quantum networking, defense R&D, and quantum-enhanced sensing as part of multidisciplinary efforts to bring practical quantum technologies into real-world infrastructure.

He holds a master's degree in Electrical and Computer Engineering from Michigan State University and is currently completing a PhD with a focus on quantum information systems. He also engages in advanced studies in Applied Physics at Johns Hopkins University and holds certifications in semiconductor manufacturing and photonic integrated circuit design. Prior to joining ORNL, Joe spent over 20 years in classical computing and technology leadership, serving in senior roles at companies like Airship, Jama Software, and iovation. He has led engineering teams across cloud architecture, DevOps, AI/ML platforms, and large-scale systems modernization. His previous work included implementing scalable billing infrastructure, automating ERP systems, and driving digital transformations in both the private sector & aerospace supply chains.

Joe is a NASA Fundamental Physics Advisory Group member, a DARPA-funded researcher, and a frequent contributor to national research efforts through the Lunar Surface Innovation Consortium. His mission is to bridge the gap between classical systems engineering and the new frontier of quantum technologies — helping organizations translate traditional tech expertise into quantum opportunity.



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