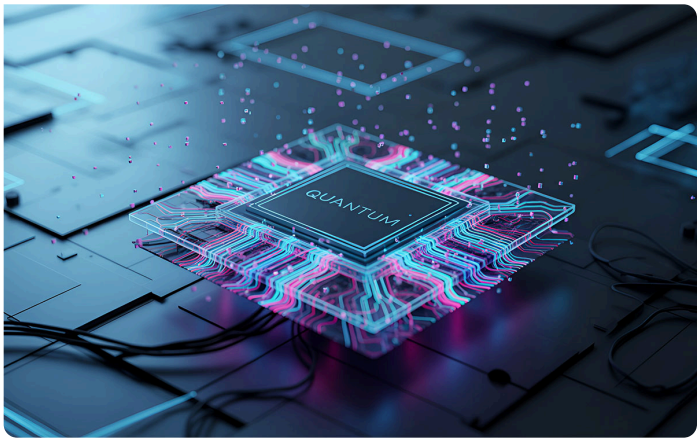
HPC Ignites Plenary to Explore the Future of Quantum Computing

NOVEMBER 6, 2025

Program

HPC Ignites Plenary Quantum Computing Schedule



By Melyssa Fratkin

Quantum computing continues to capture the imagination of the scientific and high performance computing (HPC) communities. But what does it really mean for HPC today and in the years ahead?

Join Us On Monday 17 November

Join us for the SC25 HPC Ignites Plenary, “Why Should I Care About Quantum Computing?”, where leading experts will tackle these important questions.

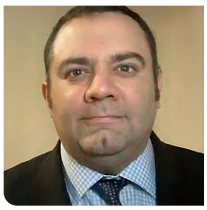
The discussion will be moderated by Dr. Charles Tahan, Visiting Research Professor at the University of Maryland–College Park and former head of the U.S. National Quantum Coordination Office. Dr. Tahan will guide a panel of thought leaders who hail from long-established corporations to pioneering startups, as well as academia, industry and government agencies. Together, they will explore the current state of quantum computing and its growing importance within the field of supercomputing.

Looking beyond today’s capabilities, the panel will also consider how quantum technologies may influence scientific discovery and computational research in both the near and long term.

Don’t miss this SC25 plenary session offering fresh perspectives on how quantum computing is poised to shape the future of HPC. Join us on Monday, November 17, 5:30–6:45 pm in America’s Ballroom as well as via our Digital Experience. We’ll see you in St. Louis!

Moderator & Panelists

MODERATOR



Charles Tahan

Partner, Microsoft Quantum & Visiting Professor, Physics, University of Maryland-College Park

Charles Tahan currently works at Microsoft Quantum and is also a Visiting Research Professor at the University of Maryland-College Park. Formerly he was Assistant Director for Quantum Information Science and Director, National Quantum Coordination Office, at the Office of Science and Technology Policy in the White House; and Chief Scientist and Chief of Solid-State and Quantum Information Science at NSA’s Laboratory for Physical Sciences.

PANELISTS



Kristel Michielsen

Director, Jülich Supercomputing Centre



Rick Muller

Vice President of Quantum Systems, IonQ Inc.



Antonio Córcoles

Principle Research Scientist, IBM Quantum



Hongbin Liu

Principle Quantum Engineer Manager, Microsoft Corporation

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