

Azure Quantum Leadership Bios

Jason Zander

Executive Vice President of the Strategic Missions and Technologies Division

Jason Zander leads the engineering and sales field organizations in incubating technical products and driving scientific discoveries to create solutions with transformative potential for the future of cloud computing and continued company growth across telecommunications, Azure Space & Missions Engineering, quantum computing, and Microsoft Federal Sales and Delivery. Zander received his Bachelor of Science degree in Computer Science from Minnesota State University in 1992 and joined Microsoft the same year. He was promoted to EVP in 2018, and serves as the Chief Technology Advisor of TitletownTech, a partnership between the Green Bay Packers and Microsoft to build and fund early-stage, high-growth businesses in the region. Formerly, Zander served as a board member of atheneahealth, a leading provider of network-enabled services and mobile apps for medical groups and healthcare systems.

Dr. Krysta Svore

Distinguished Engineer and Vice President of Advanced Quantum Development

Dr. Krysta Svore is responsible for leading a team that designs and delivers the software and scientific innovation required for a fault-tolerant quantum system. She brought the first quantum computers to Azure and is passionate about empowering people and organizations around the world with quantum computing and realizing a scaled quantum machine. Dr. Svore received her degree in Mathematics from Princeton University in 2001, then went on to complete her PhD at Columbia University in 2006. She joined Microsoft later that year. Dr. Svore is a Kavli fellow of the National Academy of Sciences and a fellow of both the American Association for the Advancement of Science and the Washington State Academy of Sciences. Additionally, she serves as an advisor to the National Quantum Initiative and the Advanced Scientific Computing Advisory Committee of the Department of Energy. She is the recipient of the 2010 Yahoo! Learning to Rank Team Challenge, the ACM Best of 2013 Notable Article award, and was recognized as one of 2018's Most Powerful Female Engineers. Dr. Svore has published over 70 refereed articles and filed over 30 patents. Formerly, she served on the ISAT Committee of DARPA as well as numerous other quantum centers and initiatives globally.

Dr. Matthias Troyer

Technical Fellow and Corporate Vice President of Quantum

Dr. Matthias Troyer is accountable for architecting Microsoft's quantum supercomputer and engineering Azure Quantum Elements. His work at Microsoft is focused on accelerating scientific discovery globally by bringing to bear the benefits of a scaled, fault tolerant quantum system to the world in secure and responsible ways. Dr. Troyer received his PhD from ETH Zurich in Switzerland in 1994. Afterwards, he spent time as a post-doctoral fellow at the University of Tokyo, then returned to ETH Zurich as a Computational Physics professor. He joined Microsoft in 2017. Dr. Troyer is also a Fellow of the American Physical Society and President of the Aspen Center for Physics. He is the recipient of the Hamburg Prize for Theoretical Physics and the Rahman Prize for Computational Physics of the American Physical Society "... for pioneering numerical work in many seemingly intractable areas of quantum... physics and for providing efficient sophisticated computer codes to the community."

[Dr. Chetan Nayak](#)

Technical Fellow and Corporate Vice President of Quantum Hardware and Systems Engineering

Dr. Cheten Nayak is accountable for designing and engineering Microsoft's quantum supercomputer. He is a pioneer in the study of quantum matter, including topological and non-equilibrium phases. Dr. Nayak received his Bachelor of Arts from Harvard University in 1992 and his PhD from Princeton University in 1996. Following his PhD, he was a post-doctoral fellow at the Institute for Theoretical Physics at UCSB, where he is currently a Physics Professor. He has been with Microsoft since 2005. Additionally, Dr. Nayak is a Fellow of the American Physical Society and a recipient of an Alfred P. Sloan Foundation Fellowship and a National Science Foundation CAREER award. He has published more than 150 refereed articles with more than 20,000 citations and has been granted more than 20 patents. Formerly, he was a trustee of the Aspen Center for Physics, an editor of *Annals of Physics*, a visiting professor at Nihon University in Japan, and a Physics Professor at UCLA.