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QED-C Overview: Looking back and looking ahead

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Biography

Dr. Celia Merzbacher is Executive Director of the Quantum Economic Development Consortium (QED-C), a global consortium managed by SRI International that aims to enable and grow the quantum industry. Dr. Merzbacher has more than two decades of experience as a leader of large multidisciplinary partnerships and programs at the intersection of government and industry. She is on the CSIS Commission on U.S. Quantum Leadership and is U.S. Co-Chair of the Quad Investors Network's Quantum Center of Excellence. She also serves as an advisor to several quantum research organizations. Previously, Dr. Merzbacher was Vice President for Innovative Partnerships at the Semiconductor Research Corporation. In 2003-2008, she was Assistant Director for Technology R&D in the White House Office of Science and Technology Policy and Executive Director of the President's Council of Advisors on Science and Technology. Dr. Merzbacher is a Fellow of the AAAS and served as Chair of the National Materials and Manufacturing Board of the National Academies of Science, Engineering and Medicine and on the Board of Directors of ANSI.

Abstract

The Quantum Economic Development Consortium (QED-C®) is a global consortium of stakeholders that aims to enable and grow the quantum industry. The consortium was established as part of the US National Quantum Initiative (NQI) and is supported by its more than 250 members and by the National Institute of Standards and Technology (NIST) in the US Department of Commerce. QED-C is focused on identifying gaps in enabling technologies, supply chains, workforce, standards and policies

and developing strategies for filling those gaps. To achieve its goals, QED-C has published reports on the use cases for quantum technologies in various sectors such as energy, finance, transportation and logistics, navigation, and biomedicine. International collaboration is a centerpiece of QED-C. Nearly one-third of corporate members are headquartered outside the United States and all members are seeking to connect globally with customers, suppliers, and collaborators. QED-C seeks to remove barriers to collaborations between Japan and the United States by strengthening linkages between companies and with government agencies on both sides of the Pacific.