



The Honorable Jerry Moran
Chairman
Senate Subcommittee on Commerce, Justice,
and Science
521 Dirksen Senate Office Building
Washington, D.C. 20510

The Honorable Jeanne Shaheen
Ranking Member
Senate Subcommittee on Commerce, Justice,
and Science
506 Hart Senate Office Building
Washington, D.C. 20510

October 23, 2019

Dear Chairman Moran and Ranking Member Shaheen,

On behalf of the National Photonics Initiative (NPI), I would like to thank you for including language regarding quantum information science and technology and the National Quantum Initiative (NQI) (H.R.6227 in the 115th) in the Senate FY2020 Commerce, Justice, and Science Appropriations bills. The NPI is a broad-based collaborative alliance among industry, academia, and government which is the leading advocate for quantum science and technology, and which includes nearly 50 industry and university stakeholders.

The NPI appreciates both chambers' support of this priority area of research at the National Science Foundation and urges Congress to adopt the Senate report language which recommends \$106,000,000 for quantum research and \$50,000,000 for up to five Multidisciplinary Research Centers for Quantum Research and Education. This funding will maintain America's edge in quantum research and catalyze the new quantum workforce.

The NPI also appreciates Congress' support of quantum at the National Institute of Standards and Technology (NIST), which will play a critical role in advancing America's quantum advantage. The NPI urges Congress to adopt the Senate version of the CJS report which provides \$10,000,000 in funding above the fiscal year 2019 enacted level to begin implementation of the National Quantum Initiative (NQI) Act. The NPI also appreciates the House version of the CJS report which, "encourages NIST to expand its collaboration with other entities, including industry, universities, and Federal laboratories, to help advance the field of quantum information science and engineering."

Quantum research is crucial to our nation's economy and national security. It will ensure that existing and ongoing research can be developed into real world applications, creating scientific and technological breakthroughs that will stimulate economic growth and keep pace with accelerating global competitiveness. The report language recommended by the Senate subcommittees will begin to bring to fruition the Congressional intent of the National Quantum Initiative.

The NPI stands ready to serve as a resource for the Subcommittees on this matter and I thank you again for including quantum information science and the National Quantum Initiative in the Senate Commerce, Justice, and Science Appropriations bills.

Sincerely,

Ed White



A handwritten signature in black ink that reads "Edward White". The signature is written in a cursive style and is positioned on a light-colored, slightly textured background.

Chairman, NPI Steering Committee

CC: Chairman Richard Shelby, Senate Appropriations Committee
Ranking Member Patrick Leahy, Senate Appropriations Committee