

**Edward Parker, Physical Scientist, RAND Corporation**



**Edward Parker** is a physical scientist at the RAND Corporation. His research focuses on emerging technologies, with a particular focus on quantum technology. His two main areas of research focus within quantum technology are comparing national quantum industrial bases and promoting the adoption of post-quantum cryptography. He was the lead author of a 2022 RAND report comparing the U.S. and Chinese quantum industrial bases, as well as a 2023 RAND report assessing the quantum industrial bases of U.S.-allied nations. He has been invited to speak at the Inside Quantum Technology industry conference several times.

Dr. Parker received his Ph.D. in theoretical hard condensed-matter physics from the University of California, Santa Barbara, where he numerically modeled quantum magnetic materials that might be useful for building quantum computers. He has served as a peer reviewer for academic journals including *Quantum Science and Technology*, *the American Journal of Physics*, *the European Journal of Physics*, *Physica A*, and *IEEE Transactions in Engineering Management*.

*Dr. Parker has not previously testified before the Commission.*