



**Erica R.H. Fuchs** is a Professor in the Department of Engineering and Public Policy at Carnegie Mellon University, and by courtesy in the Department of Materials Science and Engineering and the Heinz College of Information Systems and Public Policy. She is also a Research Associate with the National Bureau of Economic Research. Dr. Fuchs' research focuses on the development, commercialization and global manufacturing of emerging technologies, and national policy in that context.

Dr. Fuchs is passionate about building nationally the intellectual foundations, data, and analytic tools to inform National Technology Strategy across government missions. Toward realizing this vision, Dr. Fuchs catalyzed and was Director of the one-year \$4M pilot [National Network for Critical Technology Assessment](#) funded by NSF's Technology, Innovation and Partnerships Office, and involving academic thought-leaders from more than 13 Tier I research universities across the country, which culminated in the report [Securing America's Future: A framework for Critical Technology Assessment](#). She also founded Carnegie Mellon's [Critical Technology Strategy Initiative](#) – an initiative spanning Carnegie Mellon's schools of engineering, computer science, and the Heinz College of Information Systems and Public Policy. Dr. Fuchs was previously founding Faculty Director of Carnegie Mellon University's Manufacturing Futures Initiative – an initiative across six schools aimed to revolutionize the commercialization and local production of advanced manufactured products, which today is an endowed institute.

Over the past two decades, Dr. Fuchs has played a growing role in national and international dialogues on technology policy, particularly as it relates to advanced manufactured products, trade, innovation, and labor outcomes. She currently serves on the Board of Trustees for the National Semiconductor Technology Center and has been appointed by President Biden to the White House Advisory Committee for Trade Policy and Negotiations. Dr. Fuchs has also served on a variety of academic visiting committees and advisory boards, including currently serving on M.I.T. Corporation's Visiting Committee for M.I.T.'s Institute for Data, Systems, and Society, of which M.I.T.'s Technology Policy Program is a part; and on the Advisory Editorial Board for *Research Policy*. Dr Fuchs' work has been published among other places in *Science*, the *Nature* journals, *Research Policy*, *Industrial and Corporate Change*, and *Management Science*. She has testified in Congressional hearings in both the House and Senate and had her work covered by National Public Radio, Bloomberg, and the *New York Times*. Dr. Fuchs completed her Ph.D. in Engineering Systems (2006), her Masters in Technology Policy (2003), and her Bachelors in Materials Science and Engineering (1999), all from M.I.T. She spent 1999-2000 as a fellow at the United Nations Industrial Development Organization in Beijing, China. Dr. Fuchs grew up and attended K-12 in the Reading Public School District in Reading, PA.