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current capabilities (and demonstrations thereof), gaps, and the investment needed to realize that vision. Their year-long work culminated in the report *Securing America's Future: A Framework for Critical Technology Assessment*. She was previously the founding Faculty Director of Carnegie Mellon's Manufacturing Futures Initiative – an initiative across six schools which today is an endowed institute. Dr. Fuchs serves for the Department of Commerce 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. She 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.