

JOANNIE W. CHIN



Dr. Joannie W. Chin is the Deputy Director of the Engineering Laboratory (EL) at the National Institute of Standards and Technology (NIST), one of seven research laboratories within NIST. As Deputy Director, she provides programmatic and operational guidance for EL, which has an annual budget of \$90 million and nearly 500 federal employees and guest researchers from industry, universities, and research institutes. EL's mission is to promote the development and dissemination of advanced manufacturing and construction technologies, guidelines, and services to the U.S. manufacturing and construction industries through activities including measurement science research, performance metrics, tools and methodologies for engineering applications, and critical technical contributions to standards and codes development. EL focuses on high-leverage, high-impact infrastructural measurements and standards efforts to foster U.S. manufacturing and construction industry innovation, productivity, and competitiveness, improve building and fire safety, and reduce the environmental impact of buildings and manufacturing activities. EL is a source of unbiased measurement standards, data, and cutting-edge methods and technologies that promote innovation, market readiness, and quality control in vital economic sectors.

Prior to her appointment as Deputy Director, Dr. Chin previously served as leader of the Polymeric Materials Group in the Materials and Structural Systems Division of EL. She has published more than 100 scientific papers and holds a U.S. patent on a unique device for accelerated weathering of materials. She is a member of the ASTM Board of Directors and the American Chemical Society.

Education

Ph.D. in Materials Engineering Science from Virginia Polytechnic Institute and State University

M.S. in Chemistry from Virginia Polytechnic Institute and State University

B.S. in Polymer Science and Engineering from Case Western Reserve University