

*NSF NANOSCALE SCIENCE AND ENGINEERING GRANTEES CONFERENCE:
NANO AND AI CONVERGENCE
DECEMBER 9-10, 2024*

ABI ILUMOKA

Program Director
National Science Foundation



Bio: Dr. Abiodun (Abi) Ilumoka currently serves as program director in the Division of Undergraduate Education (DUE) within the directorate for STEM Education at NSF. She is co-lead for the National AI Institutes ExpandAI program and cognizant program director for the NSF-funded AI Institute for Adult Learning and Online Education (AI-ALOE) based at Georgia Tech. She manages the NSF partnership with the Department of Defense through the REU-ASSURE program.

Dr. Ilumoka earned the Ph.D. in Electrical Engineering from Imperial College of Science, Technology and Medicine London, England. After post-doctoral work at Imperial College, London, she joined the Electrical Engineering department at the University of Hartford in Connecticut in 1992, rising to the rank of full professor in 2003. Her research interests include engineering education, chip interconnect optimization, AI-based tunable microwave filter synthesis and AI-driven complex adaptive systems design. She has authored over 65 journal publications and conference articles and received research and teaching grants from government and corporations.

Dr. Ilumoka received the NSF Director's Award for Superior Accomplishment in July 2024 and was honored by the Connecticut Women's Hall of Fame as "one of the best of A New Century of Women in Science" for her STEM leadership and mentorship of young women and minorities in Connecticut. She is a member of the Connecticut Academy of Science and Engineering, the prestigious non-profit that provides science and technology advice to Connecticut State Government and General Assembly.

In her spare time, Abi enjoys cooking and playing handbells. She is parent to two adult children - daughter Ifeoma (a physician) and son Funsho (JD Class of 2025)