

FUTUR-IC: Organization Overview Script

The FUTUR-IC Global Research Alliance for Sustainable Microchip Manufacturing, funded by the National Science Foundation's Convergence Accelerator program, is an interdisciplinary team of scientists from both industry and academia and led by Dr. Anuradha Agarwal, principal research scientist at MIT's Materials Research Laboratory. FUTUR-IC conducts research aimed at solving especially compelling societal or scientific challenges to sustainability in electronics manufacturing, using a multi-disciplinary approach to create high performing materials and products that are sustainable.

FUTUR-IC will drive economic development by reshoring semiconductor manufacturing, thus bolstering national security, economic sustainability, and supply chain efficiency. The alliance will foster future innovators and enhance workforce training with sustainable semiconductor literacy in microchip technologies to recruit and retrain students from elementary grades through adults. FUTUR-IC will support leaders with varied backgrounds across the talent pipeline to ensure that research is informed by a broad range of perspectives to shape future technology trajectories and it will create coherent technology evolution while considering the impacts of processes and designs on sustainable high-volume manufacturing