

Khershed P. Cooper



Khershed P. Cooper is a Program Director for the Advanced Manufacturing Program in the Civil, Mechanical and Manufacturing Innovation (CMMI) Division of the Engineering Directorate at the National Science Foundation (NSF). He oversees projects in the areas of Nanomanufacturing, Scalable Nanomanufacturing, Scalable Nanomanufacturing for Integrated Systems. He has oversight of the Manufacturing Nanoscience, Engineering & Technology Centers (NSECs) and serves as a disciplinary Program Director for the Nanosystems Engineering Research Centers (NERCs). He is a NSF representative for National Science & Technology Council (NSTC)'s Nano Science Engineering & Technology (NSET) Subcommittee and is a member of the National Nanotechnology Initiative (NNI)'s Signature Initiative on Sustainable Nanomanufacturing. He contributes to the development of the Manufacturing USA Institutes, specifically, NextFlex Flexible Hybrid Electronics (FHE) Institute. Prior to joining NSF, he was a Program Officer at the Office of Naval Research (ONR), where he managed basic research programs in additive manufacturing and nanomanufacturing. In this capacity, he also oversaw SBIR/STTR and ManTech projects. Concurrently, he was a Senior Research Metallurgist at the Naval Research Laboratory (NRL), where he studied materials processing and analysis, additive and nano manufacturing. Prior to NRL, he worked in an industrial research laboratory. He received his MS and PhD from University of Wisconsin - Madison and his B. Tech. from the Indian Institute of Technology - Bombay. He has nearly 150 publications, over 150 invited talks, 70 contributed presentations and one patent. He has sponsored symposia and workshops in additive and nano manufacturing. He is a Fellow of ASM International and a recipient of its prestigious Burgess Memorial Award.