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**Bio:** Dr. Khershed Cooper is currently a Program Director for the Advanced Manufacturing (AM) Program in the CMMI Division at the National Science Foundation. In this role, he directs basic research activities in all areas of advanced manufacturing and associated Manufacturing USA and NSF-DFG (Deutsche Forschungsgemeinschaft) collaborations. He is a disciplinary program officer for the Engineering Research Centers (ERCs) and cross-cutting programs, such as, Critical Aspects of Sustainability (CAS), Emerging Frontiers in Research and Innovation (EFRI), Network for Computational Nanotechnology (NCN), National Nanotechnology Coordinated Infrastructure (NNCI) and Accelerating Research through International Network-to-Network Collaborations (AccelNet). Recently, he served as a detailee in the Office of International Science and Engineering (OISE) where his responsibilities were to identify and develop international research collaboration opportunities. His prior duties were as Program Officer for Nanomanufacturing Program and Scalable Nanomanufacturing Solicitation. He is an NSF representative for NSTC's Nano Science Engineering and Technology (NSET) Sub-committee. Prior to joining NSF, Dr. Cooper was a Program Officer for the Manufacturing Science Program at the Office of Naval Research (ONR) and, concurrently, a Senior Research Metallurgist at the Naval Research Laboratory (NRL). He received his MS and PhD from University of Wisconsin – Madison, his BTech from IIT-Bombay. He has nearly 200 invited talks, 70 contributed presentations, 150 publications, edited one book and one patent. He has sponsored international studies, symposia and workshops in various areas of advanced manufacturing. He is a Fellow of SME and ASM International and a recipient of ASM International's Burgess Memorial Award.