



Dr. Robert H. Carter
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Dr. Carter serves as the Weapons and Materials Research Directorates' lead in advanced materials manufacturing research.

In this area he has two roles: Chief of the Materials Manufacturing Technology branch (MMTB) and Director for the Center for Agile Materials Manufacturing Science (CAMMS).

As the chief, he leads a group of 34 researchers, technicians and assistants in developing advanced manufacturing technologies for novel materials and material systems with a focus on technology transition.

The researchers in MMTB execute a variety of internal and external programs to elevate manufacturing readiness levels in support of affordable, high quality acquisitions, and the delivery of cutting edge technologies to the Soldiers.

Dr. Carter is also the Director for the Center for Agile Materials Manufacturing Science where he is responsible for the development of a public-private partnership for agile manufacturing technologies.

The center focuses on maturation of materials and manufacturing science to permit agile, adaptive, and mobile processing for a highly flexible and expeditionary manufacturing capability to quickly produce tailored parts and components.

Dr. Carter has been a researcher at the Army Research Laboratory since 2002.

He received his B.S. (1993), M.S. (1996) and Ph.D. (2001) degrees in Materials Science and Engineering from Virginia Tech.

His areas of research have been manufacturing of advanced materials and structures, mechanics of composite materials (both polymeric and metallic), multifunctional materials, and probabilistic design methodologies.

He has three patents and over fifty technical publications on advanced materials and mechanics.