

MATERIALS RESEARCH ENGINEER

Behavior and Life Prediction

The Ceramics Branch of the Materials and Manufacturing Directorate, Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio is seeking a researcher with 1-5 years of experience in deformation and fracture mechanics of structural materials, with emphasis on brittle field behavior. The individual will participate and eventually lead the branch's efforts toward determination of life-limiting mechanisms and development of physics-based failure models for ceramic-matrix composites in a wide range of aerospace applications. Responsibilities include conducting in-house research, along with some external contract management.

Strong analytical skills are required. Experience with high-temperature environmental effects, mechanical testing methods, processing-microstructure-property relationships, ceramics or ceramic-matrix composites, and composite fiber architectures are desirable. A doctoral degree in materials science or a related discipline is preferred. U.S. Citizenship is required.

For consideration, qualified candidates should submit resumes to michael.kinsella@wpafb.af.mil

