

Abstract Submitted
for the MAR08 Meeting of
The American Physical Society

Magnetic Resonance Force Microscopy System Design for the Study of Organic Materials DORAN SMITH, US Army Research Laboratory — We will present an overview of our program to develop an MRFM system specialized for the study of organic materials at 4 K. The system uses the SPAM geometry and the CERMIT protocol and is predicted to be capable of imaging organic materials. With the system we have obtained an MRFM signal on a sample of GaAs with known characteristics. We will present the most recent results of our program to study organic materials with MRFM.

Patrick Folkes
U.S. Army Research Lab

Date submitted: 26 Nov 2007

Electronic form version 1.4