



TESTING TO ASSURE CURIOSITY HAD A SAFE LANDING

The Mound Science and Energy Museum (MSEM) is pleased to announce that on Wednesday, May 28, 2014, Chadwick Barklay, Ph.D, Distinguished Research Specialist at the University of Dayton Research Institute (UDRI), will be our guest speaker for the next WEDNESDAY NIGHT PRESENTATION.

On August 6, 2012, the Curiosity Rover landed safely on Mars as the world watched. Dr. Barklay will explain how the "MMRTG Pyroshock Testing to Characterize Performance" played an important part in this historical event.

Dr. Barklay received his Ph.D and M.S. Degree in Materials Engineering from the University of Dayton. Dr. Barklay has twenty years of experience in conducting research for the U.S. Department of Energy (DOE), the Department of Defense (DOD), and NASA on metallic and ceramic materials. As an employee of Argonne National Laboratory-West, Idaho National Laboratory, and Mound Laboratories, Dr. Barklay was responsible for the assembly of encapsulated Plutonium heat sources into Fine Weave Pierced Fabric (FWPF) modules, which were further assembled into various types of Radioisotope Power Systems RPS units. Additionally, Dr. Barklay coordinated programmatic, and schedule requirements with the DOE, Los Alamos and Oak Ridge National Laboratories and program contractors. Currently Dr. Barklay is responsible for leading the Advanced High-Temperature Materials Group at the University of Dayton Research Institute (UDRI), which is composed of non-exempt and exempt employees who conduct cutting edge sponsored material based research and development. In this position he performs research, development, and testing on a number of materials based projects for various sponsors including DOE, DOD, NASA and industrial partners. Additionally, Dr. Barklay is the UDRI principle investigator at the research institute regarding the study of the effects of low-level neutron radiation on metals, alloys, and ceramics.

This presentation will take place at the **MOUND SCIENCE AND ENERGY MUSEUM**, on Wednesday, May 28, 2014, at 7:00 PM. The MSEM is located at 1075 Mound Road, Miamisburg, Ohio 45342. Please check our web-site at <http://moundmuseum.com> for directions. This event is free and is open to the public. For further information, contact Ray Seiler by e-mail at rseiler711@me.com, or call the Museum at (937) 353-4457.



1075 Mound Road, Miamisburg, OH 45342