

The Critical Role Played by Materials Science in enabling Sandia Mission Needs

Rajan Tandon

Analytical and Materials Sciences Department

Component Science, Engineering and Production (CSEP) Center

Sandia National Laboratories,

We will briefly describe Sandia's mission areas, and the enabling role materials science and engineering play in achieving success. Next, we will describe the CSEP center mission, and describe some of the capabilities and efforts underway in our department. Two short presentation, one on hydriding of titanium films, and one on brazing technologies employed to join alumina to kovar will be described to highlight some of the materials science issues and capabilities.

Sandia National Laboratories is a multimission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA0003525.