

## **NANOSCIENCE AND A SUSTAINABLE ENVIRONMENT**

**Donald R. Baer**  
Pacific Northwest National  
don.baer@pnl.go

### **ABSTRACT**

Nanoscience and nanotechnology have potential impact on many areas of technology. This talk looks at energy and environmental remediation as example technologies where nanotechnology can have significant impact. The presentation examines potential the roles of nanoscience in creating and maintaining a sustainable environment. Hydrogen storage, SAMMS technologies and use of nanoparticles to reduce contaminants are discussed as examples.