

# **Atom-Probe Tomography Standards Workshop**

**Wednesday, Nov 12<sup>th</sup>, 2014 between 1 and 5 p.m.**

**At NIST Gaithersburg, MD, USA**

**(One day prior to APT focus topic symposium at the AVS 61 meeting, Baltimore, MD)**

## **Preliminary Agenda**

Each presentation should be no more than 15-20 minutes followed by a 10-15 minute discussion

Arun Devaraj (PNNL) – Welcome and Introductions

Robert Ulfing (CAMECA) – Current status and future direction of standards development

Don Baer (PNNL) – ASTM International and ISO standards development process

Mark Engelhard (PNNL) – Case study for the development of x-ray photoelectron spectroscopy (XPS) standards and parallels to atom-probe tomography (APT)

Dieter Isheim (Northwestern) – Standardized specimen preparation and data acquisition

David Diercks (Colorado School of Mines) – Spectral analysis and need for standards

Krishan Rajan (Iowa State University) – Standards in large-scale data representation

Eric Steel (NIST) – Standard materials and data, Formation of working groups and next steps

We will conclude with a short tour of NIST and a self-paid dinner at a local restaurant.

### **Organizers**

MSA AP FIG: Arun Devaraj (PNNL), R. Prakash Kolli (University of Maryland/NIST), Rich Martens (University of Alabama), NIST: Eric Steel (NIST)

