

**National Energy Technology Laboratories
IEEE Teacher In-Service Program Training Workshop
23- 24 October 2009**

**Location: 626 Cochrans Mill Road
Pittsburgh, Pennsylvania**

DRAFT AGENDA

Friday

4:30 p.m. Why Are We Here?

- Why is IEEE involved in pre-university education outreach activities?
- Why is NETL involved in pre-university education outreach?
- Workshop Goals:
 - Empower “champions” to develop collaborations with their local pre-university education community to promote applied inquiry-based learning.
 - Enhance the level of technological literacy of pre-university educators.
 - Encourage pre-university students to pursue technical careers, including engineering.
 - Increase the general level of technological literacy of pre-university students for many years.
 - Increase the level of understanding of the needs of educators among the engineering community
 - Identify ways that engineers can assist schools and school systems

5:30 p.m. Hands-On Activity – Doug Bowman

- An activity will be presented to simulate a TISP presentation (TBD)

7:00 p.m. Networking Social

7:30 p.m. Dinner

Saturday

8:00 a.m. Breakfast

9:00 a.m. Welcome (NETL representative, IEEE representative)

9:30 a.m. Challenges and Opportunities in the Local School System

10:00 a.m. TISP Presentation – Doug Bowman

- Build Your Own Robot Arm

- 12:00 p.m. Lunch**
- 1:00 p.m. Alignment with Education Curriculum**
- 1:30 p.m. How to Start an Engineer/Educator Partnership - Doug Bowman**
- 2:00 p.m. Panel Discussion-- School/District Focus - (3 – 6 educators e.g. elementary, middle or high school teachers, school principals, administrators, science, math or technology coordinators, district officers)**
- How to develop a partnership with your local pre-university education community
 - How/who to contact in schools and school districts
 - How to approach/what to say to education personnel
 - What are the needs of schools and school systems
 - Professional development needs in the schools and school districts
- 3:00 p.m. Breakout Groups--- Next Steps**
- 3:45 p.m. Summary & Housekeeping**
- 4:00 Adjourn**