

You are invited to participate in the **2006 Wire Development Workshop**. This workshop is being sponsored by the Office of Electricity Delivery and Energy Reliability (OE), U.S. Department of Energy's Superconductivity Program for Electric Power Systems and will focus on critical issues associated with second generation YBCO-coated conductors. Leading U.S. scientists and engineers from national laboratories, universities, and industries will discuss the current status of the second-generation wires, electric power prototype demonstrations and will also address possible second generation conductor engineering designs that could meet power application requirements. **The workshop will be held at the St. Petersburg Bayfront Hilton, St. Petersburg, Florida, January 31-February 1, 2006.** Dress for the workshop is "Business Casual."

Specific Workshop Objectives:

- Assess the performance goals for the various components of the final conductor, i.e., the metallic substrate/buffer templates, YBCO coating, and any additional stabilizers needed for stable conductor operation.
- Discuss the second generation conductor design and engineering to reduce the *ac* losses and improve the performance of the conductors.
- Report the progress toward HTS prototype demonstrations and address generic cable issues.
- Provide inputs for an updated development plan, a "roadmap update".

Please go to the following link for more information and to register:

<http://www.energetics.com/wire06.html>

We look forward to seeing you there. Thank you.