

Introduction:

The 2000 Wire Development Workshop is being sponsored by the U.S. Department of Energy's Superconductivity Program for Electric Systems. This two-day meeting is the 8th Wire Workshop and brings together the leading U.S. scientists and engineers involved in the research and development of high-temperature superconducting (HTS) wire. This important Workshop will focus on the development of commercially useful "coated conductors" and will be held at the **Hilton St. Petersburg, St. Petersburg, Florida, February 10-11, 2000**. Dress for the workshop is "Business Casual."

Planned Agenda

Thursday February 10, 2000

8:00 am	Registration and Continental Breakfast
Morning Sessions	Introduction Welcome/Workshop Objectives Utility Perspective
	Microstructure and Macro-Amp Tapes Discussion Topic: What are issues/opportunities in relating microstructure of HTS films to current density, particularly in film thicknesses greater than 2 microns?
12:00 pm	Luncheon
Afternoon Sessions	Coated Conductor Architecture Discussion Topics : How are textured templates and buffer layers optimized to lead to high current density while protecting the HTS film from reacting with the metallic substrate? How is the overall assembly thickness to be minimized and non-magnetic substrates developed? How are mechanical properties to be optimized?
	Coated Conductor Scale-Up Discussion Topic : What are the problems with scaling up the tape production to long lengths?
6:00 pm	Dinner Meeting

Friday February 11, 2000

8:00 am	Continental Breakfast
Morning Sessions	Applications of Coated Conductor Tapes Discussion Topics: What are the issues/opportunities presented by the "macro-amp" tapes? Would this result in dramatic improvements in overall system performance/cost?
	International Perspectives Breakout Sessions
12:30 pm	Luncheon
Afternoon Session	Group Summaries/Discussion Closing Remarks
3:00 pm	Adjourn

Registration

Please complete the registration form and return it by fax or mail by **January 24, 2000**. Please include your credit card information or check/PO made payable to Energetics, Incorporated, with your registration form. Registration forms without payment will not be processed.

Hotel Reservations

Hilton St. Petersburg
333 First Street South
St. Petersburg, Florida 33701
(727) 894-5000
Fax: (727) 894-7655

A block of rooms has been reserved at the Hilton St. Petersburg for \$105.00 plus tax, single or double occupancy. To reserve a room, call the hotel directly at (727) 894-5000. Please be sure to indicate that you are attending the **DOE Wire Workshop** in order to receive the group rate. The reservation cutoff date is January 12, 2000. After that date reservations will be honored on a space available basis only. If you plan to stay through Saturday night, make your reservation early as space is limited.

Registration Check-in

Thursday, February 10, 2000, 7:30am-8:30am

Travel Information

Tampa International Airport is about 10 miles (25 minutes) from the hotel.

Taxi: about \$35.00.

Shuttle: Limo-The Airport Connection offers shuttle service for \$13.00 each way. Call (727) 572-1111 or (800) 282-6817, 24 hours in advance for reservations. Purchase tickets outside the baggage area.

Driving Directions

From Tampa International Airport: Exit airport and follow signs to Interstate 275 South. Follow South to Exit 9 (Bayfront Center). Remain on the exit ramp until it ends at First Street South. Turn left onto First Street. You will see the Hilton St. Petersburg on the left, diagonal from the Bayfront Center (333 First Street South).

Parking: Valet parking is \$8.00 per day for overnight guests. Day guests are charged an hourly rate.

Dinner Meeting - Thursday, Feb. 10

This year the dinner meeting will be held at the Florida International Museum which is featuring the John F. Kennedy Exhibition. We will begin the evening with a reception at the Museum, followed by a tour. **Guests** are welcome to attend at a cost of \$45.00 per person. Please check the box on the registration form if you plan to bring a guest, and include the additional charge with your registration fee. The Museum is within walking distance of the hotel.

Cancellations/Refunds

Refunds, less a \$25.00 processing fee per registrant, will be granted to requests received by mail or fax at Energetics by February 1, 2000. Substitutions can be arranged by calling Conference Services at (410) 290-0370 ext. 277.

Important Numbers and Dates

Conference Services Energetics (410) 290-0370
..... Fax (410) 423-2193
Hilton St. Petersburg (727) 894-5000
Registration Deadline January 24, 2000
Hotel Reservation Deadline January 12, 2000

R E G I S T R A T I O N F O R M

U.S. Department of Energy • Office of Energy Efficiency and Renewable Energy

2000 WIRE DEVELOPMENT WORKSHOP

February 10-11, 2000 • Hilton St. Petersburg • St. Petersburg, Florida

Mr. / Ms. / Dr. (circle one)

Name _____ First Name for Badge _____

Title _____ Organization _____

Mailing Address _____

City _____ State _____ Zip _____

Telephone () _____ Fax () _____

E-Mail _____

In case of emergency during the conference contact: _____

Day Telephone () _____ Evening Telephone () _____



Check here if you require assistance. We will contact you to discuss your needs.



Vegetarian



I will be attending the Dinner Meeting



Guest for Dinner Meeting \$45.00 Number of guests: _____

Registration Fee : \$165.00

Total Fee Enclosed: \$ _____

Check/PO (made payable to Energetics, Incorporated)

Account Number: _____

Expiration Date: _____

Print name (as it appears on card): _____

Cardholder's Signature: _____ Amount: _____

Please return completed form and fee, by January 24, 2000 to:

Conference Services
Energetics, Incorporated
7164 Gateway Drive
Columbia, MD 21046

Phone: (410) 290-0370
Fax: (410) 423-2193

For Internal Use Only

Received _____ Entered _____

Multiple for: _____

Confirmation Letter _____ Ck# _____ p/c _____

Refund _____ Amt. Rcd _____

PO# _____ Auth# _____ Date _____