



# events

## Superconductivity Applications in the Electric Power Industry

*Power Delivery & Utilization*

**July 31, 2001**  
**Innovation Park – Florida State University**  
**Tallahassee, Florida**

A one-day workshop co-sponsored by the Center for Advanced Power Systems (CAPS) at Florida State University, and the Electric Power Research Institute (EPRI). The meeting will be devoted to examine the present status and future prospects of superconductivity in the electric power sector (utility, industrial, and defense). The focus will be to examine issues and benefits associated with incorporating superconducting equipment to the utility grid and power systems in general. The agenda will focus on how to best integrate superconducting components to existing infrastructure, the superconducting substation concept, and a review of existing efforts both at CAPS and nationwide. Guest speakers will expand on specific topics and technologies, a panel discussion will conclude the session. This workshop will also serve as the initial meeting for *EPRI's Working Group on Power Delivery Applications of Superconductivity*.

Timing of the workshop allows participants to also attend the Program Review for DOE's Superconductivity Initiative to be held in Washington DC beginning August 1st. There is no registration fee for the CAPS-EPRI workshop; however, registration is required (**space is limited**). The appropriate contacts are listed below.

**For information or to propose a topic:**

Cesar Luongo (CAPS)  
(850) 644-1095  
luongo@magnet.fsu.edu

Steven Eckroad (EPRI)  
(650) 855-1066  
seckroad@epri.com

**To register or questions:**

Terry Pace (CAPS)  
(850) 644-8736  
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**Superconductivity Applications in the Electric Power Industry**  
**July 31, 2001, Tallahassee, Florida**

I am registering for the Superconductivity Applications in the Electric Power Industry workshop. The workshop is free to everyone.

Name \_\_\_\_\_  
Title/Department \_\_\_\_\_  
Organization \_\_\_\_\_  
Address \_\_\_\_\_  
City/State/Zip \_\_\_\_\_  
Phone (    ) \_\_\_\_\_ Fax (    ) \_\_\_\_\_  
E-mail Address \_\_\_\_\_  
Signature \_\_\_\_\_

To register for the conference, return the completed registration form to Terry Pace via fax to (850) 644-9462. To register by e-mail, send information to pace@magnet.fsu.edu

## Who Should Attend

- Utility personnel in charge of new technology evaluation and introduction
- Those working on the development of superconducting power equipment
- Researchers in applied superconductivity
- T&D personnel with responsibility for increasing asset utilization

## Hotel Accommodations

Attendees must make their own hotel room reservations. A block of rooms has been reserved in the name of the workshop at the Doubletree Tallahassee, Tallahassee, Florida. Refer to the event as CAPS-EPRI Workshop when making a reservation.

Doubletree Tallahassee  
Tallahassee, Florida  
(850) 224-5000

A block of 25 room is reserved under the special conference rate of \$79.

**Reservation cutoff date is July 17, 2001.**

## Agenda (Tentative)

8:00 a.m. – 8:30 a.m.	Registration and Breakfast
8:30 a.m. – 8:45 a.m.	Welcome and Workshop Objectives (Luongo/Eckroad)
8:45 a.m. – 9:00 a.m.	Overview of the CAPS Program (McLaren/Ferner)
9:00 a.m. – 9:20 a.m.	BWXT SMES program at CAPS (Bruny/Luongo)
9:20 a.m. – 9:40 a.m.	Modeling SMES, site studies (Ribeiro/Steurer)
9:40 a.m. – 10:00 a.m.	SMES Transmission System Benefits (TBD)
10:00 a.m. – 10:10 a.m.	Break
10:10 a.m. – 10:30 a.m.	Current limiters (Steurer)
10:30 a.m. – 10:50 a.m.	Superconducting transformers (Baldwin)
10:50 a.m. – 11:10 a.m.	TBD
11:10 a.m. – 11:30 a.m.	All Superconducting Substation Benefits (TBD)
11:30 a.m. – 12:30 p.m.	Tours of the Magnet Lab and Lunch
12:30 p.m. – 12:50 p.m.	TBD
12:50 p.m. – 1:10 p.m.	Review of ASC s/c motor program (ASC – Kalsi/Snitchler)
1:10 p.m. – 1:30 p.m.	Review of Detroit Edison cable project (TBD)
1:30 p.m. – 1:50 p.m.	Outlook of s/c in power applications (IGC Superpower)
1:50 p.m. – 2:00 p.m.	Break
2:00 p.m. – 2:20 p.m.	Development of HTS for AC applications (Schwartz/Pamidi)
2:20 p.m. – 2:40 p.m.	Promise of MgB <sub>2</sub> (Paul Grant, EPRI)
2:40 p.m. – 3:00 p.m.	Economic viability of superconductors (Tim Lynch, CAPS)
3:00 p.m. – 4:00 p.m.	Panel Discussion (TBD)
4:00 p.m. – 5:00 p.m.	EPRI Working Group Business
5:00 p.m.	Workshop Adjourns