

2001 Transmission and Distribution Conference Preview

The 2001 IEEE PES Transmission and Distribution Conference and Exposition is a unique opportunity to gain new and valuable insights into the changing transmission and distribution business, including the very real and dramatic changes brought about by deregulation. The 2001 Transmission and Distribution Conference and Exposition will be held 28 October–2 November 2001 at the Georgia World Congress Center in Atlanta, Georgia.

An Invitation from the Committee

This conference and exposition promises to be one of the most interesting and memorable ever. It is happening on the brink of major structural changes within the transmission and distribution industry. This event will be a stepping stone to guide you from the traditional transmission and distribution (T&D) industry that we all know to the T&D industry of the future, with all of its challenges and rewards.

If you attend only one conference in 2001, this should be it. You will be able to participate with thousands of engineers, managers, and industry leaders from all over the world who will be attending this event. This technical conference and exposition is the largest and most comprehensive and is devoted exclusively to electric power T&D systems. Four football fields of exhibit space will house more than 500 national and international companies that will showcase the latest in T&D products and technology. Stimulating papers and panel discussions will address a broad range of the latest topics and issues that face the industry today and into the future.

An excellent technical program will be highlighted by an opening session and will feature two super sessions, four special panel sessions, and many more panel and informational sessions, along with hundreds of technical papers. This will be your opportunity to stay abreast of the latest information in the T&D industry coming from the

leading engineers, educators, planners, and leaders and earn Professional Development Hours while doing it. The committee continues to be dedicated to making this the most user-friendly conference ever.

Registration information and an electronic program are available on the Web to assist you in planning your itinerary. Assistance will be available on-site. Technical tours will explore solutions in action, visiting with companies that will share their experiences and provide insights that will help you in your business and professional life. There will also be companion tours, receptions, and many opportunities to network with your peers from around the world. Travel safely, as we look forward to seeing you in Atlanta on 28 October 2001.

Developing New Perspectives

The theme of “Developing New Perspectives” focuses on the changing landscape of companies, market drivers, products, and technology. Some of the new players include energy service and distributed resource companies. The 2001 IEEE PES Transmission and Distribution Conference and Exposition provides a unique opportunity to put these changes in perspective through a comprehensive technical program of both panel and paper ses-



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sions. To address "hot" topics, the program will feature four special panel sessions and two super sessions.

The technical program is being developed through the cooperation of the following technical committees of the Power Engineering Society: Electric Machinery; Energy Development and Power Generation; Insulated Conductors; Power Engineering Education; Power System Analysis, Computing, and Economics; Power System Communications; Power System Dynamic Performance; Power System Instrumentation and Measurements; Power System Operation; Power System Planning and Implementation; Power System Relaying; Stationary Battery; Substations; Surge Protective Devices; Switchgear; Transformers; and Transmission and Distribution.

Insulated Conductors Committee

For the first time, the PES Insulated Conductors Committee (ICC) will hold its committee meeting in conjunction with the conference and exposition. ICC members will be able to experience the benefits of the conference and exposition and the benefits of an ICC meeting, all in one trip. Likewise, other attendees of the conference who are interested in cables will have an opportunity to learn more about ICC and what it has to offer.

To register for ICC activities, simply fill out the ICC section of the registration form when you register. You will note there is a full agenda of ICC technical activities and social events (in addition to those provided by the conference), including an ICC reception on Tuesday evening, the ICC opening session, technical sessions, working and discussion group meetings, educational program, transnational lunch, companions breakfast, and more. Please refer to the ICC Web page for more details.

Power Delivery Technology for a New Market

The technical focus is intended to highlight the technology behind the new market brought about by deregulation. Energy service companies will continue to place increasing demands for more sophisticated software and equipment to monitor and control various aspects of power delivery. The technical program at this conference will present refinements to existing technologies and new and innovative concepts, in conjunction with the products and services demonstrated during the exposition.

Technical Sessions

Approximately 150 technical papers will be presented during the conference. The various PES technical committees will select the papers to be presented from a large number of submissions from all over the world. Presentations will be on topics related to transmission and distribution lines, insulated cables and cable accessories, substations, switchgear, transformers, surge protective devices, system protection, and automation. Valuable information regarding power systems analysis, communications, instrumentation and measurements will also be discussed. The technical papers at this conference will be published in the conference proceedings.

Panel Sessions

Panel sessions are an important part of the technical program. Over 25 panel sessions, organized by the various PES technical committees, will be chaired by recognized experts in the field. The panels will provide valuable and current information on state-of-the-art technologies, recent operating experiences, and up-to-date product performance data.

Special Panel Sessions

These four sessions are special in that the content deals with current topics of general interest. The material presented and subsequent discussions are meant to address a specific topic relative to each of the four broad areas of interest listed below:

- System reliability
- Power quality
- Distributed resources
- Impact of deregulation.

Certificates of Attendance

Certificates of attendance will be awarded for selected sessions that can be submitted to your local Professional Engineering Board of Registration for possible credits in support of continuing education requirements.

Conference Proceedings

All conference grade papers and panel session papers will be placed in the conference proceedings. The full registration fee includes a copy of the proceedings. Additional copies will be available for \$50. The primary media for the conference proceedings is CD-ROM. Only a limited number of print copies will be available.

Info-Sessions

Be sure to schedule time to attend exhibitor Info-Sessions. These 1-hour sessions give you the opportunity to gather information and ask questions of the experts as they instruct, demonstrate, and explain new and exciting dimensions of their business in an uninterrupted arena. Info-Sessions are an informative portion of the technical program, held in a meeting room at the convention center. Consult your final program, which will be available on-site for time/day, room number, and content. For preplanning, visit the conference Web site, <http://www.IEEET-D.org>.

Exhibits

"Developing New Perspectives" starts on the exhibit floor. Approximately 500 exhibiting companies will present their equipment, products, and services, utilizing almost 200,000 square feet of continuous floor space. Evidence of the rapidly changing industry will be found here with the growing number and diversity of first-time exhibiting companies. Another sign of change is the increasing number of first-time attendees representing the many newly formed businesses in the power energy world. Do not miss the chance to meet with your vendor or customer. Exhibit days, 29 October through 1 November, can prove to be the most cost-effective medium to increase your base of contacts, whether you are a buyer or seller.

Collegiate Program

There will be a special program for college students. Papers, in standard conference format, were invited in all topics related to new developments in power delivery and operations. The qualified principal authors of the papers are either undergraduate or graduate students. Qualified submissions may be papers coauthored by teams of students, or students and nonstudents (faculty advisors or other professionals involved in the presented work).

A review panel will select a group of finalists, who will be invited to attend the conference. The principal author of every paper will be invited to attend, at the expense of the Organizing Committee and IEEE Education Committee, to serve as the pre-

REGISTRATION FORM

REGISTER ONLINE AT:
WWW.IEEET-D.ORG
 AND QUALIFY FOR VALUABLE AWARDS

IEEE/PES TRANSMISSION AND DISTRIBUTION CONFERENCE AND EXPOSITION

Please duplicate this form for an associate or if bringing more than one companion.

First Name _____ Companion First Name _____
 Last Name _____ Companion Last Name _____
 Nickname _____ Companion Nickname _____
 Company _____
 Address _____
 City _____ State _____ Zip _____
 Country _____ Disabled or require special assistance
 Phone _____ Fax _____
 Email Address _____

TYPE OF REGISTRATION		ADVANCE FEE	REGULAR FEE	TOTAL
<input type="checkbox"/> Full Conference	IEEE Member No.	\$295	\$395	\$
<input type="checkbox"/>	Non-Member	\$395	\$495	\$
<input type="checkbox"/> One-Day Conference	<input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed <input type="checkbox"/> Thurs			
<input type="checkbox"/>	IEEE Member No.	\$150	\$150	\$
<input type="checkbox"/>	Non-Member	\$195	\$195	\$
<input type="checkbox"/> Companion(s)	How many?	\$40	\$40	\$
<input type="checkbox"/> Full-Time Student (with ID)		No fee	No fee	\$ 0.00
<input type="checkbox"/> IEEE Life Member #		No fee	No fee	\$ 0.00
<input type="checkbox"/> Press (with card)		No fee	No fee	\$ 0.00

1. TYPE OF COMPANY

- a. Investor-Owned
- b. Municipal Utility or Agency
- c. Rural Electric Cooperative
- d. Energy Service Company
- e. Power Marketer
- f. Independent Power Producer
- g. Manufacturer Rep
- h. Distributor
- i. Consultant
- j. End User
- k. Contractor / Constructor
- l. Other

Advance registration must be received no later than September 16, 2001 for all attendees.

INSULATED CONDUCTORS COMMITTEE (ICC)	FEE	TOTAL
<input type="checkbox"/> ICC Attendee (Open to all T&D Conf. Registrants) Includes ICC on Name Tag, Fall 2001 ICC Minutes (printed & CD-Rom), & entrance to October 30 ICC Reception at the Sheraton Hotel	\$35	\$
<input type="checkbox"/> ICC Reception - October 30 (non-ICC registrants)	\$15	\$
<input type="checkbox"/> Transnational Lunch - November 1 (open to all Registrants)	\$35	\$

2. YOUR TITLE / JOB FUNCTION

- a. Executive
- b. General Manager / Department Head
- c. Project Manager
- d. Engineer (Planning, Design, Performance)
- e. Purchasing / Procurement
- f. Sales / Marketing
- g. Operating / Maintenance
- h. Other

IEEE/PES CONFERENCE EVENTS	# OF TICKETS	FEE	TOTAL
Please check if you plan to attend			
<input type="checkbox"/> Opening Reception	Sunday, Oct 28, 6:30pm	No fee	\$ 0.00
<input type="checkbox"/> Conference Luncheon	Monday, Oct 29, 11:30am	No fee	\$ 0.00
<input type="checkbox"/> Tuesday Super Session	Tuesday, Oct 30, 8:00am	No fee	\$ 0.00
<input type="checkbox"/> Wednesday Super Session	Wednesday, Oct 31, 8:00am	No fee	\$ 0.00

OTHER EVENTS	# OF TICKETS	FEE	TOTAL
<input type="checkbox"/> International Reception	Tuesday, Oct 30, 6:30pm		
<input type="checkbox"/> International Attendees (with full registration)		No fee	\$ 0.00
<input type="checkbox"/> Other		\$55	\$
<input type="checkbox"/> Collegiate & Awards Luncheon	Wednesday, Oct 31, 11:30am		
<input type="checkbox"/> Student		\$10	\$
<input type="checkbox"/> Other		\$25	\$

TECHNICAL INSPECTION TOURS:

TUESDAY, OCTOBER 30, 2001	GROUP SIZE	FEE	TOTAL
<input type="checkbox"/> Georgia Power Transmission Control Center and Electrical Vehicle	<input type="checkbox"/> 9:00am - 10:00am <input type="checkbox"/> 11:00am - 12:00pm <input type="checkbox"/> 1:00pm - 2:00pm <input type="checkbox"/> 3:00pm - 4:00pm	20 Max 20 Max 20 Max 20 Max	\$10 \$10 \$10 \$10
<input type="checkbox"/> Lockheed*	8:30am - 11:30am	30 Max	\$30
<input type="checkbox"/> ITC Deltacom*	9:30am - 12:00pm	20 Max	\$30
<input type="checkbox"/> Turner Field	9:30am - 11:30am	90 Max	\$25
<input type="checkbox"/> Turner Field	12:30pm - 2:30pm	90 Max	\$25
<input type="checkbox"/> CNN and Philips Arena	9:00am - 11:00am	50 Max	\$25
<input type="checkbox"/> CNN and Philips Arena	12:30pm - 2:30pm	50 Max	\$25

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SUBTOTAL (this page) \$

REGISTRATION FORM

IEEE/PES TRANSMISSION AND DISTRIBUTION CONFERENCE AND EXPOSITION

Please duplicate this form for an associate or if bringing more than one companion.

TECHNICAL INSPECTION TOURS (CONTINUED):

WEDNESDAY, OCTOBER 31, 2001		GROUP SIZE	FEE	TOTAL	
<input type="checkbox"/>	Georgia Power Transmission Control Center and Electrical Vehicle	<input type="checkbox"/> 9:00am - 10:00am <input type="checkbox"/> 11:00am - 12:00pm <input type="checkbox"/> 1:00pm - 2:00pm <input type="checkbox"/> 3:00pm - 4:00pm	20 Max 20 Max 20 Max 20 Max	\$10 \$10 \$10 \$10	\$ \$ \$ \$
<input type="checkbox"/>	Lockheed*	8:30am - 11:30am	30 Max	\$30	\$
<input type="checkbox"/>	ITC Deltacom*	9:30am - 12:00pm	20 Max	\$30	\$
<input type="checkbox"/>	Turner Field	9:30am - 11:30am	90 Max	\$25	\$
<input type="checkbox"/>	Turner Field	12:30pm - 2:30pm	90 Max	\$25	\$
<input type="checkbox"/>	CNN and Philips Arena	9:00am - 11:00am	50 Max	\$25	\$
<input type="checkbox"/>	CNN and Philips Arena	12:30pm - 2:30pm	50 Max	\$25	\$
THURSDAY, NOVEMBER 1, 2001		GROUP SIZE	FEE	TOTAL	
<input type="checkbox"/>	Georgia Power Transmission Control Center and Electrical Vehicle	<input type="checkbox"/> 9:00am - 10:00pm <input type="checkbox"/> 11:00am - 12:00pm	20 Max 20 Max	\$10 \$10	\$ \$
<input type="checkbox"/>	Lockheed*	8:30am - 11:30am	30 Max	\$30	\$
<input type="checkbox"/>	Turner Field	9:30am - 11:30am	50 Max	\$25	\$
<input type="checkbox"/>	CNN and Philips Arena	9:00am - 11:00am	50 Max	\$25	\$

Meet your group at least 30 minutes prior to departure at the fountain entrance to the Convention Center.

* Tours restricted to US CITIZENS.

COMPANION ACTIVITIES:

SUNDAY, OCTOBER 28, 2001		LOCATION	FEE	LUNCH	TOTAL
<input type="checkbox"/>	Stone Mountain	12:30pm - 4:30pm	Stone Mountain	\$47	No \$
<input type="checkbox"/>	Atlanta Driving Tour	1:30pm - 4:30pm	See Description	\$25	No \$
MONDAY, OCTOBER 29, 2001		LOCATION	FEE	LUNCH	TOTAL
<input type="checkbox"/>	Welcome to Atlanta!	9:00am - 3:00pm	Companion Room	No fee	No \$ 0.00
<input type="checkbox"/>	Marvelous Makeovers	11:00am - 3:00pm	Companion Room	No fee	No \$ 0.00
<input type="checkbox"/>	Callaway	9:00am - 5:30pm	Callaway Gardens	\$77	Yes \$
<input type="checkbox"/>	Stone Mountain	9:30am - 2:30pm	Stone Mountain	\$61	Yes \$
<input type="checkbox"/>	Simply Southern	9:45am - 2:45pm	Atlanta History Museum	\$65	Yes \$
<input type="checkbox"/>	Atlanta's Heroes	1:00pm - 5:00pm	See description	\$35	No \$
TUESDAY, OCTOBER 30, 2001		LOCATION	FEE	LUNCH	TOTAL
<input type="checkbox"/>	Marvelous Makeovers	11:00am - 3:00pm	Companion Room	No fee	No \$ 0.00
<input type="checkbox"/>	Fashion Show	TBD	Companion Room	No fee	No \$ 0.00
<input type="checkbox"/>	Day of Mystery	10:00am - 3:00pm	Companion Room	No fee	No \$ 0.00
<input type="checkbox"/>	Shopper's Paradise	10:00am - 4:00pm	Lenox and Phipps Plaza	\$28	No \$
<input type="checkbox"/>	Personal & Private Home Tour	10:00am - 2:00pm	Buckhead Area	\$61	Yes \$
<input type="checkbox"/>	Atlanta's Masterpieces A & N	10:15am - 3:15pm	See description	\$51	Yes \$
<input type="checkbox"/>	Aristocratic Allure	10:30am - 4:00pm	See description	\$52	Yes \$
WEDNESDAY, OCTOBER 31, 2001		LOCATION	FEE	LUNCH	TOTAL
<input type="checkbox"/>	Marvelous Makeovers	11:00am - 3:00pm	Companion Room	No fee	No \$ 0.00
<input type="checkbox"/>	Dance, Dance, Dance	10:00am - 11:00am	Companion Room	No fee	No \$ 0.00
<input type="checkbox"/>	Stone Mountain	9:30am - 2:30pm	Stone Mountain	\$61	Yes \$
<input type="checkbox"/>	Shopper's Paradise	10:00am - 4:00pm	Lenox and Phipps Plaza	\$28	No \$
<input type="checkbox"/>	Atlanta's Heroes	1:00pm - 5:00pm	See description	\$35	No \$
THURSDAY, NOVEMBER 1, 2001		LOCATION	FEE	LUNCH	TOTAL
<input type="checkbox"/>	Marvelous Makeovers	11:00am - 3:00pm	Companion Room	No fee	No \$ 0.00
<input type="checkbox"/>	Stone Mountain	9:30am - 2:30pm	Stone Mountain	\$61	Yes \$
<input type="checkbox"/>	Shopper's Paradise	10:00am - 4:00pm	Lenox and Phipps Plaza	\$28	No \$
<input type="checkbox"/>	Simply Southern	9:45am - 2:45pm	Atlanta History Museum	\$65	Yes \$

Tours depart from the fountain entrance to the Convention Center. Meet your group at least 30 minutes prior to departure. Read description to find minimums and maximums of guests per tour. Tour tickets will be used for a daily raffle.

SUBTOTAL (this page)	\$
SUBTOTAL (previous page)	\$
TOTAL (both pages)	\$

TO REGISTER:

Select one option below

ONLINE: Submit your request at:
WWW.IEEET-D.ORG
Click on Registration button.

MAKE CHECK PAYABLE TO:
2001 IEEE/PES T and D Registration
All funds must be in \$US.

MAIL TO: 2001 IEEE/PES Registration
c/o CDS, Inc.
107 Waterhouse Road
Bourne, MA 02532

FAX TO: 508-759-4552
Be sure to send both sides.

TOTAL (both pages) \$

If paying by credit card, please complete the following:

Type of Card: Visa MC AE

Cardholder

Card#

Exp Date

Authorized Signature

Date signed

- Children under 16 not permitted in Technical Sessions or Exposition.
- Badges will not be mailed before September 28.
- For questions and changes call (888) 873-3976 (US) or (508) 743-0106 (International).
- Cancellations received before September 17 will be eligible for a full refund less a \$35 cancellation fee.
- Changes will be charged a \$17 per transaction processing fee regardless of the date received.



**FOR DOMESTIC AIRLINE RESERVATIONS
CALL (800) 486-2113 AND IDENTIFY
YOURSELF AS AN IEEE ATTENDEE.**

Opportunities and Value from a Trainer's Perspective

"Amazing what you'll see," says Chris Lasher, 2001 IEEE PES Transmission and Distribution Conference and Exposition general chair. "All electric utilities are sending people" to the 28 October through 2 November 2001 conference in Atlanta.

Check out the Web site, <http://www.IEEET-D.org>. You'll find all kinds of great stuff, including literally hundreds of exhibits and technical presentations.

This conference offers tremendous opportunity and value. Everybody who attends will learn something. Many vendors will have technical staff available to answer questions and many power delivery experts will be presenting technical papers.

SCADA engineer Bill Fields says he attends T&D conferences in order to see "what vendors are up to." Also, he likes to discuss possible equipment applications face-to-face with vendor technical experts. Fields said, "You can get real candid about what works, and what doesn't."

In-the-field substation engineer, Curtis Lee, plans to "learn more about substation monitoring equipment" at the conference.

Power delivery specialist Dave McMullen will be seeking information on insulators, switches, and MOVs as well as tower grounding techniques. McMullen said, "I will be looking for anything I can learn to help me be more effective at improving transmission line reliability."

Distribution design engineer, Mac Fry's main interest now is distribution automation. Fry is going to the conference to learn about "the latest and greatest distribution switching equipment."

Control center supervisor Steve Johnson wants to see some innovative options for pinpointing overhead line faults from a central location.

This is great. Engineers, technicians, and supervisors will attend the IEEE PES Transmission and Distribution Conference and Exposition in order to learn things that will enhance their effectiveness at their jobs.

The conference offers many opportunities to gain technical and/or industry knowledge," according to spokesperson Phil Winston. There will be panel sessions presented by technical committees, tutorials presented by topic experts, and technical paper sessions composed of technical paper presentations grouped by common interest.

Whether you are new to the industry or have been around for awhile, the conference offers something for you.

"One last thought," added conference executive Jim Kwater. "If your travel budget is limited, consider using your training budget. Where else can you see so much equipment and services, visit with so many suppliers, choose from an abundance of technical presentations, and network with industry peers? Dollar for dollar, the conference is the best training opportunity around."

*Rick Reeves, engineer/trainer,
Georgia Power Company*

sender of the paper at the special conference session dedicated to student papers. The finalists will receive the paid airfare, registration for the conference, accommodation in one of the hotels affiliated with the conference, and a ticket for the Student Luncheon scheduled for Wednesday. The winners of the student paper competition will be announced at the luncheon, when the following awards will be presented:

- First Award: \$500 for the student, plus \$500 for the advisor
- Second Award: \$250 for the student, plus \$250 for the advisor
- Third Award: \$150 for the student, plus \$150 for the advisor

Technical Tours

Georgia Power Transmission Control Center and Electrical Vehicle

Tour the Georgia Power Northern Transmission Control Center in downtown Atlanta. The tour features an overview of the Georgia transmission grid and how it relates to the national system. In the Control center, you will see demonstrations of the various tools used in daily system operations: supervisory control, communications, lightning location, and fault analysis. Visit the electric vehicle area at Georgia Power. This electric transportation program began in 1992. The program was furthered in 1993 with the opening of the Electric Vehicle Research Center. This center was the electric utility industry's first facility dedicated exclusively to electric vehicle research.

Lockheed Martin

Visit the Lockheed Martin Corporation's core business. Lockheed Martin's vision is to be the world's best systems integrator in aerospace, defense, and technology services. Lockheed business areas are systems integration, aeronautics, space, technology services, and global telecommunications. As a guest, you will have the opportunity to tour the Flight Line, the F-22 production line, the C-130J production line, and more.

ITC Deltacom

Visit the ITC DeltaCom service telecommunications provider. This facility is used to combine facility-based long distance, local services, data and Internet network services, and customer telephone equipment as a bundled package of telecommunications products for business by utilizing an approximately 9,640 mile fiberoptic network and their switching infra-

structure. During this tour, you will be able to see the Data Center Floor, the Facility Service Center, the Configuration Room, the Secured Shipping and Receiving, the e^deltacom Network Operations Center, the Transportation Room, the Power Room and the Engineering and Customer Labs.

Turner Field

Join the Turner Field Tour. The Braves Museum and Hall of Fame is the starting point of the tour. The tour includes visits to Coca-Cola Sky Field; a Braves luxury suite; the press box, broadcast booth, clubhouse, and dugout; Scouts Alley; and the Plaza. The Ivan Allen Jr. Braves Museum and Hall of Fame was

established in 1997 as part of Turner Field. The museum traces the team's history from its beginnings in Boston (1871-1952) to Milwaukee (1953-1965) to Atlanta (1966-present), and features more than 500 Braves artifacts.

CNN and Philips Arena

Immerse yourself in the history of CNN. On the tour, you can trace the growth of CNN as it parallels world events over the past 20 years and test yourself at the journalism ethics display. Your next stop is the heart of CNN. In this recreation of CNN's main control room, you will see and hear the behind-the-scenes elements of 24-hour news, live. Step into the special effects studio and learn the tricks of the trade from Blue Chromakey to the TelePrompTer. Then put your new knowledge to work as you or a member of your group volunteers as a weather or news anchor. Today's news becomes tomorrow's history. Be first in line to see news travel through the newsrooms on CNN and Deadline News, on its way to the anchor's desk, where it is delivered live right before your eyes. Brace yourself! Experience an exclusive look at the state-of-the-art Philips Arena. You will see everything from the luxury suites to locker rooms. Get the scoop on where the press covers the games or be one of the players in the exclusive Philips Experience.

Registration

Advance Registration

We urge all conference participants to register in advance. This not only saves money but saves time otherwise spent waiting in on-site registration lines. Registration badges are required to board conference shuttle buses and to attend the conference opening reception.

There are three easy ways to advance register. Please refer to the registration form for the mailing address, or you can fax both pages of the form if you are paying by credit card. You may also access our Web site, click on the registration button, complete the form, and pay by credit card.

Badges will be mailed between 28 September and 5 October 2001 to all advance registrants.

The deadline for advance registration is 16 September 2001. By registering before this date, you will save \$100 and receive your registration credentials by mail (excluding international). Credentials for registrations received after 16 September 2001 will not be mailed. You may obtain your badge and event tickets at the Georgia World Congress Center. Technical tours and companion activities are limited by the number of participants. Early registration for these tours is recommended.

IEEE PES name badges must be worn at all times. Conference badges will be required for all conference functions, including entry into the exhibit area. Lost badges or any changes will be charged a \$17 transaction processing fee. All replacements and changes can be made at Attendee Registration.

Cancellations and Refunds

All requests for refunds must be in writing. Refunds will be issued for advance registration fees, less \$35 cancellation fee, as long as requests are postmarked before 17 September. Refunds will not be issued until after the conference ends. Event and tour tickets are nonrefundable.

On-Site Registration Hours

Registration will be located in Hall F of the Georgia World Congress Center. The schedule of operation is: Sunday, 28 October, 9:00 a.m. to 5:00 p.m.; Monday through Thursday, October 29

through 1 November, 8:00 a.m. to 5:00 p.m.; Friday, 2 November, 8:00 to 10:00 a.m.

Hotels and Reservations

Ambassadors Services Group is the IEEE PES Housing Service for the conference and exposition. All hotel reservations must be made through the IEEE PES Housing Service.

We encourage you to make housing reservations online, <http://www.IEEET-D.org>. Reservations will also be accepted via mail, phone, or fax. Please see the Housing Form for specific information regarding these reservation options.

Attendees are requested to number, in order of preference, their top six hotel choices on the Housing Form. All rooms are reserved on a first come, first served basis. Whenever possible, you will be placed in one of your hotel choices. However, if your preference hotels are unavailable, the IEEE PES Housing Service will make an assignment as comparable as possible and wait-list you for your preferred hotel.

A first night's room charge, plus 14% tax deposit is required at the time of booking a reservation. The deposit may be in the form of a credit card, check, or money order. Sorry, no wire transfers will be accepted. Checks and money orders must be drawn on a U.S. bank in U.S. funds payable to "Ambassadors Services Group."

All new reservations, changes, substitutions and cancellations must be made through the IEEE PES Housing Service, not with the assigned hotel. Contact the IEEE PES Housing Service by e-mail ieec@ambassadors.com, phone +1 800 243 1197, fax +1 404 584 0685, or mail to the address on the housing form.

The official housing cut-off date is 28 September, but the IEEE PES Housing Service will continue to process reservations and changes, based on availability, up until the start of the conference. After 28 September, room deposits are refundable only if the reservation is cancelled according to the hotel's cancellation policy, as outlined in your confirmation letter. Check your confirmation letter to verify the cancellation policy of your hotel.

Reservations will be confirmed via e-mail, fax, or mail. Confirmations will be mailed only if an e-mail address or fax number is not available. If a written hotel confirmation is not received within 2 weeks of your request, please contact the IEEE PES Housing Service immediately.

During the conference, the IEEE PES Housing Service will be available at the Housing Desk Located in the Georgia World Congress Center for your convenience.

Welcome to Atlanta

In 1996, the world came to Atlanta's doorstep during the Centennial Olympic Games and discovered all of the special features this growing international city has to offer: unparalleled entertainment, cultural attractions, shopping, dining, and so much more. Now in 2001, the Atlanta local host committee welcomes the conference and exposition and is excited to have our guests experience many of the legacies, not only from the Olympic Games, but also from our southern heritage. In addition to enjoying the city's Olympic legacies, such as Centennial Olympic Park, you will be able to enjoy many of the city's historical and cultural venues. From The High Museum of Art, to the Jimmy Carter Library, to the Martin Luther King, Jr. Historic Site, a plethora of opportunities await your curious and adventuresome spirit. For those who enjoy shopping, the opportunities range from small funky boutiques to large upscale malls. Buckhead, an area north of downtown, features a high concen-

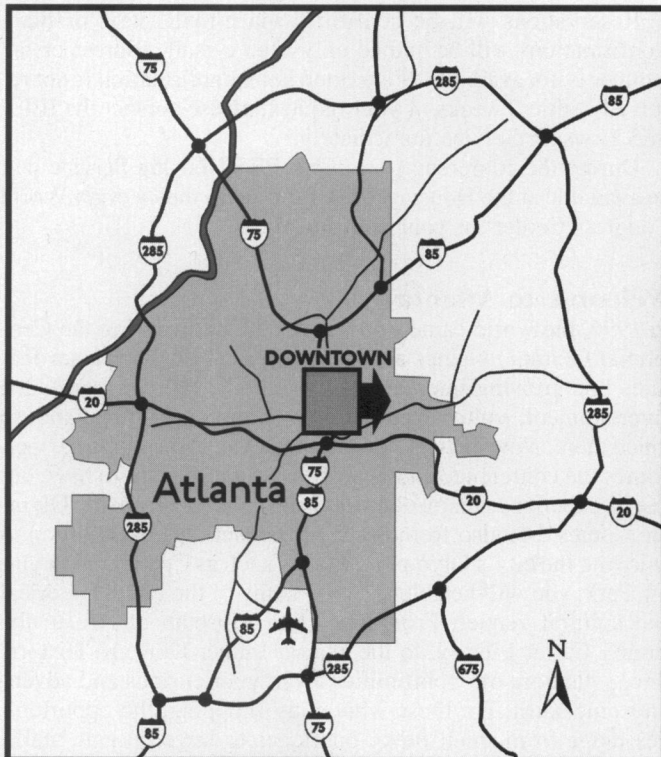
HOUSING RATES AND LOCATIONS

Please Refer to the Locator Code Numbers on the Table and Map Below for the Location of Hotels

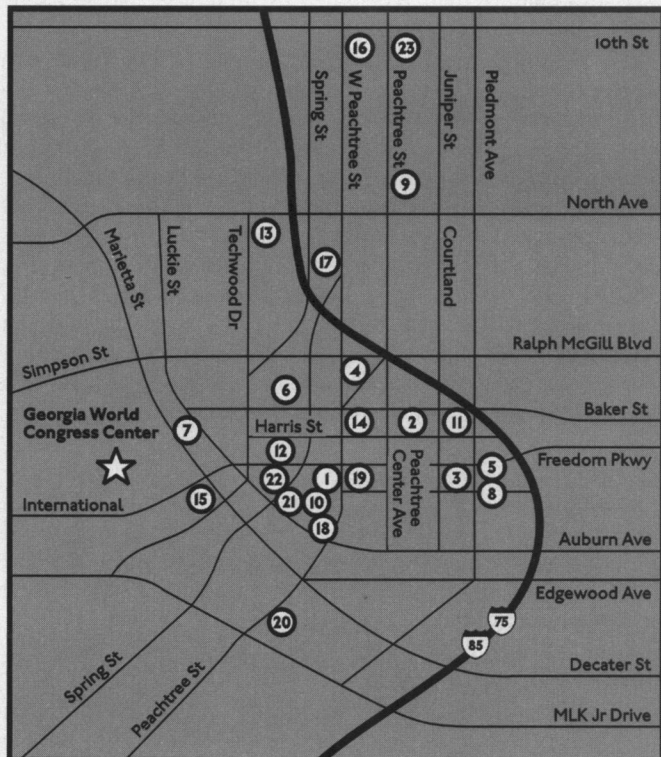
CODE	HOTEL	SINGLE	DOUBLE	CONVENTION CENTER DISTANCE
1	Westin Peachtree Plaza Headquarter Hotel	\$175	\$195	4 blocks
2	Marriott Marquis Co-Headquarter Hotel	\$168	\$181	6 blocks
3	Sheraton Atlanta Hotel ICC Headquarter Hotel	\$153	\$153	7 blocks
4	AmeriSuites	\$135	\$135	6 blocks
5	Courtyard by Marriott Downtown	\$139	\$139	10 blocks
6	Days Inn Downtown	\$115	\$115	5 blocks
7	Embassy Suites Downtown*	\$190	\$190	Across the street
8	Fairfield Inn Downtown	\$115	\$115	10 blocks
9	Georgian Terrace Hotel	\$180	\$180	1.5 miles
10	Hampton Inn & Suites	\$119	\$119	4 blocks
11	Hilton Atlanta	\$176	\$186	7 blocks
12	Holiday Inn Atlanta Downtown	\$144	\$154	3 blocks
13	Holiday Inn Express	\$104	\$104	1 mile
14	Hyatt Regency Atlanta	\$169	\$179	5 blocks
15	Omni Hotel at CNN Center*	\$189	\$209	Across the street
16	Regency Suites Hotel	\$149	\$159	1.7 miles
17	Renaissance Atlanta Hotel	\$153	\$153	0.5 miles
18	Residence Inn Downtown	\$145	n/a	5 blocks
19	Ritz-Carlton Atlanta	\$183	\$198	5 blocks
20	Suite Hotel At The Underground	\$149	\$149	5 blocks
21	Super 8 Hotel	\$92	\$102	5 blocks
22	Wyndham Atlanta	\$165	\$165	4 blocks
23	Wyndham Midtown Atlanta	\$158	\$158	1.7 miles

All room charges are subject to an 14% City/State Tax. Higher rates may apply for 3 or more persons per room. All hotels, unless noted, will be included in the IEE/PES shuttle route to the Convention Center. *No shuttle service will be provided to these hotels.

METRO ATLANTA



DOWNTOWN ATLANTA



HOUSING REQUEST FORM

HOTEL RESERVATIONS

Please only one reservation per form.

PERSON RECEIVING CONFIRMATION (PLEASE PRINT OR TYPE)

First Name _____ Last Name _____
 Company _____
 Address _____
 City _____ State _____ Zip _____
 Country _____
 Phone _____ Fax _____
 Email Address _____

HOTEL PREFERENCE

Please choose 6 hotels and list in order of preference. See next page for hotel rates and locations.

1 _____
 2 _____
 3 _____
 4 _____
 5 _____
 6 _____

All room assignments will be made in the order received. If your hotel choices are unavailable, the Housing Service will make an assignment as comparable as possible to your preference and wait-list you for your preferred hotel.

TYPE OF ROOM

- Single
1 person
- Double
1 bed, 2 people
- Double/Double
2 beds, 2 people

ROOM PREFERENCE

- Smoking
- Non-smoking

ADDITIONAL INFO

- Frequent Stayer # _____
- Wheelchair accessible
- Other _____
- If you have a disability and require special housing accommodations, check here and specify any special needs. We cannot ensure the availability of appropriate accommodations without prior notification of need

PAYMENT TYPE

A one night room deposit plus 14% room tax is required to guarantee your room. The deposit is refundable according to the hotel's cancellation policy as stated in your confirmation letter. All cancellations must be made through the IEEE/PES Housing Service. Please do not contact the hotel directly.

Check (payable to the Ambassadors Services Group.)
 Credit Card
 AMEX Visa MasterCard Discover Diner's Club

Card# _____ Exp Date _____
 Cardholder _____ Signature _____

LIST ARRIVAL AND DEPARTURE DATES:

Arr: _____ Dep: _____

LIST PERSONS SHARING A ROOM:

1. _____
 2. _____

MAKE YOUR RESERVATION:

ONLINE: Submit your request at:
WWW.IEEEET-D.ORG

FAX: Complete form and fax with credit card information to: IEEE/PES Housing at 1-404-584-0685

PHONE: Please have this form and credit card information in hand before calling. 1-800-243-1197 or Internationally at 1-404-584-7458

MAIL: Complete form and send with check or credit card information to:

**IEEE/PES HOUSING SERVICES
 240 PEACHTREE STREET, SUITE 22-S-10
 ATLANTA, GA 30303**

Avoid duplicate reservations: if you make your initial reservation via online, fax or phone, do not mail in this form.

• All reservations will be confirmed via e-mail, fax or mail. Confirmations will be mailed only if an e-mail address or fax number is not available.

• If a hotel confirmation is not received within two weeks of your request, please contact the IEEE/PES Housing Service immediately.

• For all reservations inquiries, changes, and cancellations, contact the IEEE/PES Housing Service by e-mail at ieee@ambassadors.com, phone, fax, or mail.

• September 28th is the official housing cut-off date, but the IEEE/PES Housing Service will continue to process reservations and changes, **based on availability**, up until the start of the Conference.

tration of upscale clothing and specialty shops, as well as two of the South's premier malls, Lenox Square and Phipps Plaza. The abundance of art and antique galleries throughout Atlanta gives any shopping experience an added dimension.

As for dining, Atlanta has you covered. We still like to tout our southern heritage by presenting old favorites, such as grits, with a new twist. However, the city has dining options from every region of the globe to cater to the growing diversity of Atlanta's population. Choices range from Italian, French, and Indian to Thai, Japanese, Moroccan, Creole, and much, much more! So, there are plenty of activities and choices for everyone to enjoy our beautiful city. What you will always remember about Atlanta is why it is best known around the world for its Southern Hospitality.

Opening Reception

Sherman may have burned Atlanta on his infamous "March to the Sea," and you will see this evening while they still call this town "Hotlanta"! We invite you to join us Sunday evening to enjoy the sights, tastes, and sounds of the South at The Georgia Freight Depot. The depot is located in the heart of downtown, adjacent to the well-known Underground and World of Coke. The plaza in front of the depot will come to life with Dixieland music, bubbles, balloons, magicians, stilt walkers, and caricature artists. You will find an old-fashioned carnival with the games from your childhood memories, as well as the tastes and smells of popcorn, cotton candy, and pretzels! Come on into the depot and listen to the soulful sounds of gospel, blues, dueling pianos, as well as the tapping shoes of the cloggers from the north Georgia mountains. The depot is the oldest standing structure in Atlanta. You may hear the whistle of modern-day trains whizzing through the back corridor. The tastes of the South will be represented by barbecue, corn in the husk, biscuits, Brunswick stew, peel-and-eat shrimp, oysters on the half shell, and of course, delectable sweets. Refreshments will also be available. The evening's finale will juxtapose the Old South against the New South. A spectacular laser show will take place in the plaza just above the depot. In keeping with the idea of "new," a surprise logo will be presented.

International Visitors

The IEEE PES is a transnational organization that strongly desires attendance by engineers and their associates from all countries. To encourage international attendance, all international visitors are invited guests to the International Reception on Tuesday evening at the Fox Theater. In addition, IEEE PES will provide a separate reception area in the International Business Center located in Room 360W at the Georgia World Congress Center. Translators will be available to answer questions regarding the conference and exposition. Our international visitors will find the 2001 IEEE PES Transmission and Distribution Conference and Exposition to be the most technically relevant, friendly, and accommodating conference in IEEE history.

On Tuesday evening, the international guests are invited to step back in time into the mystique of a Middle Eastern palace and enjoy an "Enchanting Evening" at Atlanta's Fox Theatre. Atlanta's Fox Theatre, originally the Yaarab Temple Shrine Mosque, was designed in the late 1920s as headquarters for the 5,000 member Shriner's organization. It was then, and still is today, after an extensive restoration project undertaken in the 1970s and 1980s, a beautifully outlandish, opulent, grandiose monument to the heady excesses of the precrash 1920s.

Companion Tours

Stone Mountain

Rising over 800 feet above the surrounding plateau, Stone Mountain is the world's largest mass of exposed granite, which bears the breathtaking Memorial Carving of Confederate Heroes. Today, the giant granite monolith is the centerpiece of 3,200 acres of fun. Within the park, guests may tour the 18-building restored Antebellum Plantation or visit the Antique Car and Treasure Museum. Guests may also experience the park in a Swiss Skylift, on "The General," an authentic reproduction of a Civil War steam locomotive, or on the "Scarlett O'Hara," an authentic paddlewheel riverboat.

Atlanta Driving Tour

This tour offers guests the opportunity to get a lay of the land and experience how Atlanta's history traveled north along our city's most famous thoroughfare, Peachtree Street. We will begin in the heart of downtown and continue down "Sweet" Auburn Avenue, highlighting historical sites associated with Martin Luther King, Jr. The tour continues to midtown, home of the Fox Theatre, the High Museum of Art, and the Margaret Mitchell home. After a bite to eat at The Varsity, an Atlanta institution, we will make our way into Buckhead, Atlanta's premier shopping, entertainment, and residential district.

Simply Southern

After lunch at 103 West, the tour begins at the Atlanta History Center Museum, devoted to urban and suburban history of Atlanta. Also included in the History Center is the Swan House, a mansion built in 1928 for a prominent Atlanta family. The house and its 22 acres of surrounding woodlands still stand as a memorial to the golden age of Atlanta architecture. The Tullie Smith House, which adjoins the Swan House, is one of the few extant pre-Civil War houses in Atlanta. The house, complete with live animals, authentically depicts the daily life of farming people in early inland Georgia.

Captivated by Callaway

Head south to Pine Mountain, home of the extraordinary Callaway Gardens. While in this floral wonderland, you will visit the John A. Sibley Horticultural Center, a three-structure, 5-acre garden complex complete with a rock wall garden and a 22-foot waterfall. The Cecil B. Day Butterfly Center features the largest glass enclosed tropical butterfly garden in North America along with a spectacular outdoor native butterfly garden. Following lunch at the Callaway Gardens Inn, guests will make the short drive to Warm Springs, home of President Franklin Roosevelt's Little White House. The charming cottage remains as it was when occupied by the president, with the addition of a museum and its fascinating collection of Roosevelt memorabilia.

Atlanta's Heroes

We will be focusing on three important heroes who have helped shape not only Atlanta but the world. President Jimmy Carter, Dr. Martin Luther King, Jr., and Margaret Mitchell. We will travel down Auburn Avenue, and proceed to the Martin Luther King, Jr. Historic District, where Dr. King was born, grew up, preached, and was buried. From there, we will visit the Carter Presidential Center, home of the Carter Presidential Library. The tour wraps up at the Margaret Mitchell House, where from

1925 until 1932, Margaret Mitchell lived and wrote the most popular novel of all time, *Gone With the Wind*.

Shopper's Paradise

Everyone enjoys a few hours of leisure shopping while he or she is out of town, and Atlanta has some of the best to offer. Phipps Plaza provides an unrivaled shopping experience, with shops such as Saks Fifth Avenue, Tiffany & Co., Armani Exchange, and Nike Town. Across the street is one of the hottest shopping destinations in the Southeast. Lenox Square Mall features hundreds of upscale shops, anchored by Neiman Marcus, Macy's, and Rich's, and a wide variety of places to eat, ranging from award-winning restaurants such as Brasserie Le Coze and Tomtom.

Personal and Private Home Tour

This tour is really special, one which never fails to draw applause from visitors. Those who select this tour have a rare opportunity to venture beyond the magnificent front doors to view the interiors, thereby capturing the flavor of fashionable Atlanta's lifestyle. The tour is completed with lunch at Anthony's, a gracious antebellum plantation home that was dismantled board by board and transported to Atlanta. Dine on the porch or in one of cozy private rooms on a meal that transports you into another time of ladies and gentlemen sipping their mint juleps.

Aristocratic Allure

Leave the metropolitan "hustle and bustle" and travel to the small charming city of Covington, Georgia. This city, spared by Sherman on his "March to the Sea," boasts some of the most beautiful and architecturally charming homes in the state, such as Dixie Manor and Regency Hall. Lunch will be a southern affair at The Blue Willow Inn, located about 20 minutes away in Social Circle. After lunch, guests can stroll down the main street

of Social Circle, visiting the many gift and collectibles shops, some of which offer a unique collection of handmade gifts from local artists.

Atlanta's Masterpieces of Art and Nature

The masterpieces in the High Museum of Art are surrounded by another masterpiece, the building itself. Housing a renowned collection of fine art, this dazzling white landmark is the centerpiece of Atlanta's midtown arts district. After lunch at Coohill's, one of midtown's outstanding restaurants, guests will experience the beauty of the Atlanta Botanical Gardens. You'll visit the Dorothy Chapman Fuqua Conservatory, a 16,000 square-foot facility that features tropical, desert, Mediterranean, and endangered plants from around the world, all under one glass roof. The focal point of the Conservatory is the Tropical House, featuring a glass rotunda, measuring 80 feet in diameter, a 14-foot waterfall, and live birds flying among the trees.

Transportation

Air Travel

Navigant Travel is the official air travel coordinator for the conference. Contact Navigant Travel at +1 800 486 2113 and identify yourself as an IEEE attendee. Or, contact the official airlines directly: Delta Airlines, +1 800 241 6760, File # 171131A; United Airlines, +1 800 521 4041, Meeting ID:556DC; American Airlines, +1 800 433 1790, Authorization # A65HIAF.

Bus Service

Free shuttle-bus service will be provided to all conference attendees; conference badges must be presented. The service will run between all designated conference hotels, the Georgia World Congress Center, and special events. The buses will run every 15 minutes during peak times and every 35 minutes off peak.

Evaluation of Restructuring in the UK

(continued from page 9)

[10] "Electricity Competition Review," Office of Electricity Regulation, Research Study Conducted for OFFER (MORI). Rep., 1999.

[11] "Electricity Reform Abroad and U.S. Investment," Energy Information Administration, Office of Energy Markets and End Use (DOE/EIA), 1997.

Further Reading

National Council on Competition and the Electric Utility Industry (NCCEI). "The British Electric Utility Restructuring Experience: History and Lessons for the United States.," Available: <http://eande.lbl.gov/ea/NationalCouncil/pubs/restdeba.html>.

European Union. Energy Policy—the Way ahead—Commission White Paper Entitled "An Energy Policy for the European Union." Available: <http://europa.eu.int/en/comm/dg17/wpback.htm>.

About the Author

Marcel A. Lamoureux has worked in system operations and power generation for 9 years at Citizens Communications, Vermont Electric Division. He holds a masters degree in electric utility business management from Norwich University. He is also a Ph.D. candidate in energy utility business management at Glasgow Caledonian University, Glasgow, Scotland, UK. He is an IEEE and PES Member and chair of the PES Membership/Chapters Activities Communications Committee and may be reached via e-mail, m.lamoureux@ieee.org.