



ELECTRON

Institute of Electrical & Electronics Engineers, Inc.

January 1999
Volume 16
No. 1

THE IEEE CHARLOTTE SECTION NEWSLETTER

POWER ENGINEERING SOCIETY MEETING

DUKE ENERGY'S ALBEMARLE SUBSTATION AUTOMATION UPGRADE

Duke's Electric Transmission department is faced with an aging infrastructure in its transmission substations. Equipment such as the protective relaying and system controls are approaching end of life and are in need of replacement. The upgrade at the Albemarle Substation is a pilot effort to test the new automation equipment available in the market. Unlike past installations where protection, control, alarming, sequence of events, etc., were all dedicated stand alone pieces of equipment with limited interconnection, Albemarle will include the latest in protective relaying which will be system integrated into a master protection, control and monitoring system. A station computer will assume the role of local control, alarming, sequence of events, and a lot more.

If this sounds interesting then come on out for the full review of this project!

Speaker: CHRIS CLIPPINGER, PE

Chris is a protective relay engineer in Duke Energy Electric Transmission. Chris is Project Manager of the Albemarle Substation upgrade.

Date & Time: Monday, January 18, 1999

5:30 p.m. - "Pizza" Snack Meal, \$2.00

RESERVATIONS required by noon, January 18th.

6 to 7 p.m. - PES Officer Elections & Presentation

Location: O. J. Miller Auditorium, Duke Energy Center
526 S. Church St., Charlotte, NC

PARK in the lot behind the Energy Center off Mint Street. Advise security at the parking lot gate that you are attending the IEEE meeting.

Contacts: For Reservations or more information:

Chris Clippinger	382-9333	ckclippi@duke-energy.com
Steve Ladd	382-6656	sbladd@duke-energy.com
Lee Underwood	426-3016	lsunderw@duke-energy.com
Fred Thornton	382-3094	fwthornt@duke-energy.com

**IEEE CHARLOTTE SECTION
1999 MEETING CALENDAR**

**National Engineer's Week
Joint Engineering Banquet**
February 25, Thursday

Computer Society
March 15, Monday

Charlotte Section
April 19, Monday

Communications Society
May 18, Tuesday

**Power Engineering Society
Annual Field Trip**
June 17, Thursday

Annual Section Picnic
August 19, Thursday

Computer Society
September 20, Monday

Communications Society
October 19, Tuesday

Annual Section Banquet
November 18, Thursday

IEEE CHARLOTTE SECTION EXECUTIVE COMMITTEE

Home Page: www.ewh.ieee.org/r3/charlotte

SECTION OFFICERS & DIRECTORS

Chair
John Tannery Duke Power 704/382-9867
jtannery@duke-energy.org

Vice Chair
Natalie Little Sayles Duke Power 704/875-4895
nalittle@duke-energy.com

Secretary
Dave Pullen 704/382-3087
dcpullen@ieee.org

Treasurer
Tracy Blackmon Duke Power 704/382-5692
trblackm@duke-energy.com

Past Chair
Cathy Hope Duke Power 704/382-8560
chope@duke-energy.com

Directors
Kale Meade Duke Power 704/382-0331
kmmeade@duke-energy.com
Carol Mullis Duke Power-Retired 704/537-0538
Roscoe White Duke Power-Retired 704/537-8449
Mehdi Miri UNCC 704/547-4140
miri@uncc.edu

SECTION STANDING COMMITTEES

Awards & Nominating
Steve Graham Duke Power 704/382-3731
s.graham@ieee.org

Randy Groves DE&S 704/382-9176
rcgroves@dukeengineering.com

Cathy Hope Duke Power 704/382-8560
chope@duke-energy.com

Educational Activities
Teresa Dahlberg 704/547-4389
tdahliber@uncc.edu

Fellowship & Attendance
(open)

History/Archives
(open)

Membership Development
(open)

Membership Database
Tracy Blackmon Duke Power 704/382-5692
trblackm@duke-energy.com

Professional Activities (PACE)
Carol Mullis Duke Power-Retired 704/537-0538

Programs & Arrangements
Natalie Little Sayles Duke Power 704/875-4895
nal2856@dukepower.com

Publicity *(open)*
- **Newsletter Editor**
Paul Colaianni Duke Power 704/382-5632
rpcolaia@ieee.org

- **Web Page Editor**
Jeff Dougherty Duke Power 704/382-9443
jgdoughe@duke-energy.com

Student Activities

Bill Whitlock Duke Power 704/875-4869
cww8383@dukepower.com

HICKORY SUBSECTION

Chair
John Leach Hi-Tech Fuses, Inc. 704/322-2860
jgleach@twave.net

Secretary
Ken Dunn Siecor Corp. 704/327-5682
ken_dunn@siecor.com

Treasurer
Paul Waldon Gen. Elec.-Retired 704/324-8652

Past Chair
R. (Kris) Ranjan General Electric 704/462-3118
ranjanra@pdc03.sch.ge.com

POWER ENGINEERING SOCIETY (PES)

Chair
Chris Clippinger Duke Power 704/382-9333
ckclippi@duke-energy.com

Vice Chair
Lee Underwood Duke/Fluor Daniel 704/329-3016
lsunderw@dpcmail.dukepower.com

Secretary
Steve Ladd Duke Power 704/382-6656
sbladd@duke-energy.com

Treasurer
Fred Thornton Duke Engineering 704/382-3094
fwthomt@duke-energy.com

COMPUTER SOCIETY

Chair
Tony Kombol IBM Corp. 704/594-4870
ajkombol@us.ibm.com

Vice Chair
Bill Wright Enteg Systems 588-7426
wwwright@prodigy.net

YORK TECH STUDENT BRANCH

Home Page: www.yorktech.com

Faculty Advisor Joe Avampato 803/981-7030
avampato@york.tec.sc.us

Chair Billy Cope 803/981-7030
bwcope@rhtc.net

Vice Chair Julie Hall 803/981-7030
Juls_78@hotmail.com

Secretary John Nagel 803/981-7030
frehley1@hotmail.com

Treasurer Richard Gerace 803/981-7030

UNC CHARLOTTE STUDENT BRANCH

Home Page: www.coe.uncc.edu/~ieeesb

Faculty Advisor Dr. Yogendra Kakad 547-4146

Chair La'tisha D. Leach kakad@uncc.edu
549-6146
ldleach@uncc.edu

Vice Chair Philip D. Kiser 786-5831
pdkiser@uncc.edu

Treasurer Jennifer M. Godwin 549-6146
jmgodwin@uncc.edu

Secretary Keshia N. Leach 510-1870
knleach@uncc.edu

GASTON COLLEGE STUDENT BRANCH

Faculty Advisor Myers Hambricht 922-6302

Chair Matthew Holland 825-3242

Vice Chair Raymond Osborne 263-5708

Secretary Michael Chad 584-1443

Treasurer Bo Osborne 263-5708

CPCC STUDENT BRANCH

Faculty Advisor Don Jessep 330-6922
donald_jessep@cpcc.cc.nc.us

Chair Anthony Phillips 596-1944

Vice Chair Scott Lewis 333-8193

Secretary David Russell 545-5969

Treasurer Lewis Vaught 548-0711

Student Gov. Rep. Jason Cook 867-5027

IEEE CHARLOTTE SECTION 1999 EXECUTIVE COMMITTEE CALENDAR

January 13, Wednesday
February 17, Wednesday
March 10, Wednesday
April 14, Wednesday
May 12, Wednesday
June 9, Wednesday
August 11, Wednesday
September 15, Wednesday
October 13, Wednesday
November 10, Wednesday
Annual Planning Meeting
December 1, Wednesday

**Executive Committee meetings
are held at:
Duke Energy Corp., Energy Center
Phase II, Room 9-105A, 6:00 p.m.**



ELECTRON
Institute of Electrical & Electronics Engineers, Inc.

ELECTRON INFORMATION & COMMENTS

Send information you would like to have included in the newsletter to:

Paul Colaianni, ELECTRON Editor
Duke Energy Corp.-EC12R
P.O. Box 1006
Charlotte NC 28201-1006
p.colaianni@ieee.org, 704/382-5632

ADDRESS CHANGES — 1-800-678-4333

Dial the IEEE Service Center (8 a.m.-4 p.m.) for address changes, IEEE publication orders, membership applications, standards seminars information, and other student and member services.

**TIME
SENSITIVE
MATERIAL**

Non-Profit Org.
U. S. Postage
Paid
Charlotte, NC 282
Permit No. 1361