



ELECTRON

Institute of Electrical & Electronics Engineers, Inc.

THE IEEE CHARLOTTE SECTION NEWSLETTER

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IEEE Charlotte Communications Society Meeting

ASYNCHRONOUS TRANSFER MODE (ATM) TECHNOLOGY

**SPEAKER: NOBLE SMITH,
FORE SYSTEMS CORPORATION**

Fore Systems Corporation, a leading vendor in ATM Switch technology will be speaking at IEEE Communications Society meeting scheduled on May 18, 1998. The discussion will involve Asynchronous Transfer Mode (ATM) current technology state, the markets, the current place of ATM in Corporate Networks and the future of ATM as a main stream network technology.

DATE & TIME: Monday, May 18, 1998
☛ 6:30 p.m. - Snack Meal, \$2.00 (call for reservations)
☛ 7:00 p.m. - Program

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

PARKING: Park in the Duke Energy employee lot off Mint St. Push the security call button at the gate and advise them you are attending the IEEE meeting. Park in the lot behind the building (not under the building) and enter through the back door by the Security window.

CONTACT: For Reservations Or More Information Call:
Muhammad Ali 704-378-2124 alim@netsol.com
David Fulmer 704-382-4949 dfulmer@duke-energy.com

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THIS MEETING
IS WORTH
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IEEE CHARLOTTE SECTION MEETINGS — 1998

Communications Society
May 18, Monday
Power Engineering Society
Annual Field Trip
June 18, Thursday

Charlotte Section Annual Picnic
August 20, Thursday
Computer Society
September 22, Tuesday

Communications Society
October 19, Monday
Charlotte Section Annual Banquet
November 19, Thursday

18TH ANNUAL CHARLOTTE SCIENCE FAIR IEEE WINNERS

Congratulations Go to the Winners in the Charlotte Science Fair! Criteria for selection: Project must demonstrate innovation, thorough understanding, and research/development in the field of electrical or electronic engineering, show concern for public safety and environmental stewardship, and document lessons learned. The following are the \$50.00 award winners for the 1998 science fair.

ROBERT ATTORI, Grade 5, Elementary School-Barringer Academic Project: "Wider is Better" - Robert built a very impressive wind turbine to demonstrate that as different size wind blades were used that the power output was directly affected. He proved his hypothesis that the larger the blade the greater the power output, due to the increased blade surface area. Well done!!

HEATHER MORGAN, Grade 6, Middle School-Smith Middle School Project: "The Effect of pH on Electrical Output" - Heather measured the pH in several items (lime, apple, lemon, grapefruit, potato, orange) and summarized that the lower the pH the higher the voltage reading would be. She disproved her theory through testing and did a fine job of presentation and documenting her work. Excellent!!

SHAUN PACK, Grade 10, High School-Myers Park High School Project: "Artificial Intelligence: A simulation of the Decision Making Process" - Shaun's project centered around the simple (or maybe not so simple) 8 puzzle. Shaun wrote a iterative software program in C++ that would take the puzzles present state condition and through an iterative process try and solve it through a minimal number of moves. Shaun was quick to point to industry applications such as telephone switching networks where the optimal route for the customer could be quickly determined. Watch out Bill Gates - Shaun graduates soon!!

IEEE judges were Carol Mullis, Bill Whitlock, and Chris Clippinger.

IEEE CHARLOTTE SECTION SECTION OFFICERS & DIRECTORS

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EXECUTIVE COMMITTEE MEETINGS IEEE CHARLOTTE SECTION 1998

Wednesday, May 13
Wednesday, June 10
Wednesday, August 12
Wednesday, September 16
Wednesday, October 14
Wednesday, November 11

Annual Planning Meeting
Wednesday, December 16

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



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ELECTRON INFORMATION & COMMENTS

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

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