
IEEE CHARLOTTE SECTION NEWSLETTER



Website <http://ewh.ieee.org/r3/charlotte/>



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UNC Charlotte Wins Robot Competition

The UNC Charlotte IEEE Student Branch wins the 2011 IEEE SoutheastCon conference hardware competition, a robot competition with 34 other schools in the southeast.

UNC Charlotte EPIC Center Director

Johan Enslin has been named director of the new \$76 million Energy Production and Infrastructure Center (EPIC) at UNC Charlotte.

IEEE Charlotte Section Elections

We hope to have a recommended ballot by Oct. 1, an initial slate by Oct. 15, final ballots emailed (electronic-voting) by Nov. 15, and to close voting on/about Dec 1, as our target schedule.

IEEE SoutheastCon 2012 in Orlando

The annual IEEE SoutheastCon sponsored by the IEEE Region-3 will be held in Orlando, FL. For details, see www.southeastcon2012.org.

Membership

Update your membership record online, set up your own IEEE web account, or volunteer to fill a vacancy in the section or a society chapter. The site is: www.ieee.org/membership_services.

Women in Engineering (WIE) Affinity Group Formed

Congratulations to the charter members of the new IEEE Charlotte Women in Engineering Affinity Group approved September 1, 2011. There are over 150 WIE Affinity Groups worldwide. WIE is a community of women and men to facilitate the recruitment and retention of women in technical disciplines globally. Consider joining!

Upcoming Meetings

Please check the website (ewh.ieee.org/r3/charlotte) for upcoming meetings, or contact one of our chapter or section officers if you would like to suggest an idea for a meeting.

Upcoming Social Events

Take advantage of opportunities to socialize with your colleagues. In addition to technical meetings, check for social events on our website, ewh.ieee.org/r3/charlotte. If you have any suggestions for upcoming social events, please contact the section officers.

[Check Inside for More Details](#)

IEEE Charlotte Section Officers

Website

<http://ewh.ieee.org/r3/charlotte/>

Section Officers

Chair: Dave Wallach
Vice Chair: Nate Quirk
Secretary: Rick Moser
Treasurer: Fred Esenwein

Section Committee Officers:

Nominating Com. Chair: Tom Weldon
Program Chair: Nate Quirk
Membership Development Chair: Bill Sims
Section Newsletter Editor: Tom Weldon

Volunteer!

If you or one of your colleagues would like to **volunteer for a vacant position**, please contact one of the officers listed above. For further information, refer to the IEEE Charlotte Section website:

<http://ewh.ieee.org/r3/charlotte/>

This newsletter is published periodically by the Charlotte Section of the Institute of Electrical and Electronics Engineers, Inc. (IEEE) and is sent to members of the IEEE Charlotte Section. Annual subscription is included in the IEEE membership dues. IEEE Information contained in this newsletter may be copied without permission provided that copies for direct commercial advantage are not made or distributed, and the title of the publication and its date appear on each copy. Address any inquiries to one of the IEEE Charlotte Section officers at <http://ewh.ieee.org/r3/charlotte/>.

Charlotte Chapters

Power Engineering Society Chapter Officers

Chair: Paul Ekman
Vice Chair: Sukumar Kamalasan
Secretary: vacant
Treasurer: vacant

Computer Society Chapter Officers

Chair: Simon Obeid
Vice Chair: Ron Sass
Secretary: vacant
Treasurer: vacant

Communications Society Chapter Officers

Chair: Yasin Raja
Vice Chair: vacant
Secretary/Treas.: vacant

Education Society Chapter Officers

Chair: Jim Conrad jmconrad@uncc.edu
Vice Chair: vacant
Secretary: vacant
Treasurer: vacant

Women in Engineering Officers

Chair: Nan BouSaba nbousaba@uncc.edu
Vice Chair: vacant
Secretary: vacant
Treasurer: vacant

UNC Charlotte Student Branch Officers

Counselor: Claude Hargrove
Chair: Joseph Tompkins
Vice Chair: Michael Gimon
Secretary: Xue Zheng
Treasurer: Shawn Lott

UNC Charlotte Wins Robot Competition

The UNC Charlotte IEEE Student Branch won the 2011 IEEE SoutheastCon conference hardware competition, a robot competition with Georgia Tech, NC State, and 32 other schools in the southeast. The UNC Charlotte IEEE Student Branch had a first-place victory in this headline event of the premier conference of IEEE Region 3 (southeastern United States and Jamaica).

Competing in Nashville, TN, the Lee College of Engineering's Hardware Team robot successfully located victims trapped in a building, determined their status, sensed hazards, and reported the information to the emergency responders. The robot team was made up of seniors Paul Voison, Daniel Morgan, and Eugene Yang, with faculty mentors Claude Hargrove and Nan BouSaba. Other awardees included Brandon McLean in the Student Technical Paper Competition, and Matthew Smith and Eugene Yang in the Branch Website competition. Congratulations to all!

UNC Charlotte Spring Expo

The UNC Charlotte 2011 Senior Design Spring Expo was held in Halton Arena. More than 80 completed projects were displayed on the main floor and 50 posters of completed designs were displayed on the mezzanine. The Lee College of Engineering's senior design program brings together students and industrial partners in a collaborative research environment. As they tackle real-world engineering projects, the engineering students and their industry sponsors are afforded unlimited possibilities for learning and achievement. The Fall Expo will be Friday December 9th at the Student Activity Center. If your company might be interested in sponsoring a student project, contact Bill Heybruck at wfheybru@uncc.edu.

Check your email for IEEE Charlotte announcements, and make sure that email is not blocked:

(IEEE E-Notice <owner-ieee-notice@bmsmail3.ieee.org>)

UNC Charlotte EPIC Center Director

Johan Enslin has been named director of the Energy Production and Infrastructure Center (EPIC) at UNC Charlotte. The EPIC center will be located in a new \$76 million building nearing completion on the Charlotte Research Institute campus and will serve in the training of a new generation of engineers and in the conduct of research on new energy technologies.

The new EPIC building will house UNC Charlotte's Electrical and Computer Engineering Department, along with the Civil and Environmental Eng. Dept. The building's laboratory facilities will expand opportunities for students to gain hands-on experience with industry leaders, including Duke Energy Corp., Siemens, Shaw, AREVA, Westinghouse, URS and others.

As chief technology officer at New Jersey based Petra Solar, Johan led the technology strategy and intellectual property development for the company's unique smart energy solutions for the electric supply industry. At EPIC, Johan will succeed Steve Patterson, who will return to his role as SPX Distinguished Professor in Mechanical Engineering.

Mark your calendars!

UNC Charlotte Design Expo
December 9, 2011

IEEE SoutheastCon 2012
March 15-18, 2012
Orlando, FL

New IEEE Members

Now would be a great time to ask your colleagues to join IEEE! Contact our membership chair, Bill Sims, at b.sims@ieee.org if you have any recruiting or membership questions.

Charlotte Section Archives

Did you know that the IEEE Charlotte Section website includes an archive page that traces our section history from 1929 to the present? For more, see www.ewh.ieee.org/r3/charlotte/archives.html.

NC Council News

Our IEEE North Carolina Council Chair is Jim Corr, from the Western Carolina Section. A link to the NC Council website is at the top of the section website at ewh.ieee.org/r3/charlotte. The IEEE NC Council is comprised of the Charlotte Section, Western NC Section, Winston-Salem Section, Central Section, and Eastern NC Section.

Region 3 News

A link to the IEEE Region 3 website can be found at the top of the IEEE Charlotte Section website at ewh.ieee.org/r3/charlotte. The current Region 3 Director is Lee Stogner. IEEE Region 3 includes the states of Alabama, Florida, Georgia, areas of Indiana, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and the country of Jamaica.

Update Member Records Online

You can now update your member record online, including your name, address, e-mail, and telephone. So, the next time you get an IEEE mailing with your name or street spelled incorrectly, you can go to the web page and fix it instantly. You will need an IEEE web account in order to take advantage of this service. The site address for updating your record is: www.ieee.org/membership_services.

Get an IEEE E-mail Alias

The IEEE now offers an Alias Service in which IEEE members can register or update a personal alias of their choice (subject to availability and on a "first come, first serve" basis). Messages addressed to the alias@ieee.org will automatically be forwarded to your Internet e-mail address. The virus-scanning feature helps prevent you from receiving viruses. See eleccomm.ieee.org.

Could you be an IEEE Senior Member?

The grade of Senior Member is the highest for which application may be made and shall require experience reflecting professional maturity. For admission or transfer to the grade of Senior Member, a candidate shall be an engineer, scientist, educator, technical executive, or originator in IEEE-designated fields. The candidate shall have been in professional practice for at least ten years and shall have shown significant performance over a period of at least five of those years, as outlined on the IEEE website.

For more information, or for the Senior Member upgrade forms, visit the web page at www.ieee.org/membership and click on "Grade Elevation."

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Smart Grid Team Wins

UNC Charlotte ECE students Preston Finnie, Matthew Bixler, Justin Shipley, Ryan Ricono, and Sebastian Hoyos won first prize in the undergraduate student poster competition at the IEEE Power and Energy Society Meeting in Detroit during the last week of July. The Spring 2011 Smart Grid Team "put in a lot of hard work developing the models and preparing the poster" states Dr. Sukumar Kamalasadana, faculty mentor for the team.

IEEE SoutheastCon 2012 in Orlando

The annual IEEE SoutheastCon sponsored by the IEEE Region-3 will be held in Orlando, FL. The annual IEEE SoutheastCon conference promotes all aspects of the theories and applications of the engineering disciplines. The event will feature tutorial sessions and workshops along with the Technical Program. For further details, see www.southeastcon2012.org.

Ideas for Society Chapter Meetings?

The society chapters are working on plans for upcoming meetings. In the IEEE Charlotte Section we have local chapters of the Power and Energy Society (PES), Communications Society, Computer Society, and Education Society. If you have any suggestions for upcoming meetings or plant tours, please contact the society chapter officers on ewh.ieee.org/r3/charlotte/officers.html.

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Women in Engineering (WIE) Affinity Group Formed

Congratulations to the charter members of the new IEEE Charlotte WIE Affinity Group approved September 1, 2011. WIE is a vibrant community of IEEE women and men promoting women engineers and scientists. Nan BouSaba is the Chair of our new WIE affinity group. Please contact her if you are interested in joining, or if you would like to serve as an officer: nbousaba@uncc.edu.

IEEE Women in Engineering (WIE) is the largest international professional organization dedicated to promoting women engineers and scientists. There are over 150 WIE Affinity Groups worldwide.

IEEE WIE strives to:

- Recognize women's outstanding achievements in electrical and electronics engineering through IEEE Awards nominations
- Organize receptions at major technical conferences to enhance networking and to promote membership in WIE
- Advocate women in leadership roles in IEEE governance and career advancement for women in the profession
- Provide assistance with the formation of new WIE Affinity Groups and support ongoing activities
- Promote IEEE member grade advancement for women to the membership grades of Senior Member and Fellow
- Facilitate the development of programs and activities that promote the entry into and retention of women in engineering programs
- Administer the IEEE Student-Teacher and Research Engineer/Scientist (STAR) Program to mentor young women in junior and high schools

Join WIE Today!

Contact Nan BouSaba at
nbousaba@uncc.edu

Update your info!

Update your membership record online, set up your own IEEE web account, or volunteer to fill a vacancy in the section or a society chapter. The site is: www.ieee.org/membership_services.

Want email about Charlotte events?

Use your IEEE web account to ensure that you receive IEEE email by setting your Personal_Profile Communication_Preferences and make sure to set "Do not Send Email = N."

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Charlotte, North Carolina

Institute of Electrical and Electronics Engineers, Inc. (IEEE)