
IEEE CHARLOTTE SECTION NEWSLETTER



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



Volume 27, Issue 1

February 2010

IEEE SoutheastCon 2010 ***March 18-21, 2010*** ***Charlotte-Concord, North Carolina!!***

Inside This Issue:

IEEE SoutheastCon 2010 Coming Here!!

The *big news* in the headline above is that the IEEE Charlotte Section is hosting the IEEE SoutheastCon 2010 Conference in conjunction with the IEEE NC Council and IEEE Region 3. For registration details, check the enclosed flyer or www.southeastcon2010.org.

Help IEEE SoutheastCon2010 Succeed

You and your company can help to make IEEE SoutheastCon 2010 a great success. We are now seeking corporate contributors, volunteers, and organizers! For further information, contact Jim Conrad at jmconrad@uncc.edu.

Elections 2010

Congratulations to all our new IEEE officers! Please see the list of new officers inside, and consider volunteering for any vacant positions.

IEEE SoutheastCon 2010 Contributors

IEEE SoutheastCon 2010 is a great opportunity to promote your company or organization to hundreds of professionals and students from the southeast region. To inquire about becoming a conference contributor, contact jmconrad@uncc.edu.

PES Meetings

The Power and Energy Society Chapter is working on plans for six upcoming meetings. Keep checking the section website for details on upcoming meetings, or contact our Chapter Chair, Rob Cox, if you have ideas or suggestions for a meeting.

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.

IEEE Charlotte Section Officers

Website

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

Section Officers

Chair: Dave Wallach
Vice Chair: Dawn Rennick
Secretary: Nate Quirk
Treasurer: Fred Esenwein

Section Committee Officers:

Nominating Com. Chair: vacant
Program Chair: Dawn Rennick
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: Rob Cox
Vice Chair: Paul Ekman
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: Kavan Acharya
Secretary: vacant
Treasurer: vacant

Education Society Chapter Officers

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



IEEE

IEEE SoutheastCon 2010 *Partial* Schedule

March 18-21, 2010, Charlotte-Concord, NC

IEEE SoutheastCon 2010 Thursday and Friday Tutorials and Technical Paper Sessions

(Check website for any **schedule changes** and for **many other activities not listed below!**)

IEEE SoutheastCon 2010 - Tutorials, Workshops, and Technical Sessions

Thursday		Morning		Lunch Break		Afternoon	
		8:00 - 9:50	10:00 - 11:50	12:00 - 1:50		1:30 - 3:20	3:30 - 5:20
Energy 1 - Fee tutorials		Concept to Commercialization in the Energy Industry. Carl Mahler (UNCC), Paul Solitario (Investment Capital), Dave Dalton (General Microcircuits)				Nuclear Energy for Non-nuclear Businesspeople. Dayna Herrick, Duke Energy; Vic Fregonese, AREVA; Keyser Nemer, Shaw	
Energy 2 - Fee tutorials		What is the Smart Grid? Robert Cox, UNC Charlotte (2 hr)	Introduction to Solid-State Lighting, Ian Ferguson, UNC Charlotte (2 hr)			Selection and Application of Instrument Transformers. Bruce A. Magruder, Instrument Transformer Equipment Corporation (2 hr).	
Embedded Systems Design 1 - Fee tutorials		Wireless Sensor Networks: Theory and Application Development. Asis Naspuri, UNC Charlotte		Lunch Included in tutorial price. Guest Speaker: TBD		Real-time Operating Systems, Charles J. Lord, PE, Triangle Advanced Design and Automation, Inc.	
Project and Business Management 1 - Fee tutorials		Project Management Fundamentals. Yassin Chickha, Masters Consulting, Charlotte				Lead2Succeed - Leadership skills. Robert Cannon and Carr Boyd, Boyd & Cannon, LLC	
Computer Applications - Fee tutorials		Securing Linux. Simon Obeid, IT chair and Varun Kumar, IT-Technical Institute, Charlotte (2 hr).	Improving the network security through Virtualization. Simon Obeid, IT chair and Varun Kumar, IT-Technical Institute, Charlotte (2 hr).			Data Mining and Knowledge Prospecting with SQL Server Analysis Services. Todd A. Schultz, Augusta State University (2 hr)	Web2.0 - How companies can benefit from this emerging internet phenomena. John Baker, eTechSuccess LLC, Cary NC (2 hr).

Tutorials

Friday		Morning		Lunch Break		Afternoon	
		8:00 - 9:50	10:00 - 11:50	12:00 - 1:30		1:30 - 3:20	3:30 - 5:20
Embedded Systems Design 2 - Fee tutorials		Introduction to the Universal Serial Bus (USB), Charles J. Lord, PE, Triangle Advanced Design and Automation, Inc.				C for Microcontroller Development, Charles J. Lord, PE, Triangle Advanced Design and Automation, Inc.	
Project & Business Management 2 - Fee tutorials		Business Ethics. Bill Sykes and Yassin Chickha, Masters Consulting (2 hr).	Creating and Managing an Innovation Environment. Ron Ogan, Georgia Tech Research Institute (2 hr).			Effective Requirements Management. Victoria S. Kumar, PMP	
Technical Paper Lecture Session Room 1		Embedded Systems	Computers and Software	Lunch for Conference attendees		Power and Energy 1	Power and Energy 2
Technical Paper Lecture Session Room 2		Circuits and Devices	Signal and Image Processing			Communications and Networking	Robotics and Computer Vision
Technical Paper Lecture Session Room 3		Sensors	Education			Nanotechnology and Optoelectronics	Applications
Technical Paper Poster Session Room 4		Applications and Education	Power and Communications			1:30 - 3:10	3:30 - 5:10
						Computing, Applications, and Security	Systems, Circuits, and Electromagnetics

Tutorials

Technical Papers

See Website for Saturday Schedule and more Tutorials



IEEE SoutheastCon 2010

IEEE SoutheastCon 2010: Energizing Our Future

March 18-21, 2010, Embassy Suites, Charlotte-Concord, NC

ADVANCE REGISTRATION FORM

**** Please Register on-line at www.regonline.com/sec10 if possible – Thanks! ****

Each conference attendee must submit a separate registration form. A copy of this form may be used. To ensure advance registration, this form and payment must be received on or before **February 22, 2010**

Name _____
Last First Guest's name (if attending)

Company/University: _____ Badge Name: _____

Street Address: _____

City, State, Zip Code: _____

Country: _____ Telephone: _____ Fax: _____

E-mail Address: _____

• Check all appropriate boxes: IEEE Member à Membership # _____

• Student Region 3 Committee Life Member

**** PLEASE NOTE *** Authors must register online per instructions included in the paper acceptance email**

Students are encouraged to follow student team registration procedures – see website for details

<u>IEEE Member:</u>	<input type="checkbox"/>	<u>Advance</u>	<u>On-Site</u>	<u>Subtotal</u>	<u>Non-IEEE Members:</u>	<input type="checkbox"/>	<u>Advance</u>	<u>On-Site</u>	<u>Subtotal</u>
Conference	<input type="checkbox"/>	\$150	\$200	_____	Conference	<input type="checkbox"/>	\$200	\$250	_____
Tutorials (<i>half day</i>)	<input type="checkbox"/>	\$150(ea)	\$200	_____	Tutorials (<i>half day</i>)	<input type="checkbox"/>	\$250(ea)	\$300	_____
Tutorials (<i>both days</i>)	<input type="checkbox"/>	\$500	\$600	_____	Tutorials (<i>both days</i>)	<input type="checkbox"/>	\$600	\$750	_____
<u>Student/Life Member Registration:</u>					<u>Additional Tickets:</u>				
Conference	<input type="checkbox"/>	\$50	\$100	_____	Guest Fee	<input type="checkbox"/>	\$75	\$125	_____
Non-mem Student	<input type="checkbox"/>	\$100	\$150	_____	<u>Region-3 Committee:</u>	<input type="checkbox"/>	\$150	\$200	_____

Guest Fee includes Friday reception and Saturday banquet

TOTAL AMOUNT \$ _____

No refunds available after February 22, 2010. There will be a \$25 fee for each returned/NSF check.

Please check the web site for the latest information on the Tutorials.

Make all checks payable to IEEE SoutheastCon 2010. All fees payable in \$U.S.

Credit Card (Please Check one): MasterCard VISA American Express

• Credit Card Number _____ Expiration Date _____

Cardholder's Signature _____ Signature Date _____

Send to: SoutheastCon 2010

c/o Charles Lord, 108 Huntington Circle, Cary, NC 27513.

Email: c.j.lord@ieee.org Fax: (919) 319-1707

IEEE SoutheastCon 2010: Online Registration: <http://www.regonline.com/sec10>

Hotel: Embassy Suites Concord, Charlotte-Concord, NC

Reservations:

<http://embassysuites.hilton.com/en/es/groups/personalized/CLTCCES-IEE-20100317/index.jhtml>

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 a co-sponsor of IEEE SoutheastCon 2010.

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. 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/coa.html

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 in the first place.

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."

Mark your calendars!

IEEE SoutheastCon 2010

**March 18-21, 2010
Charlotte-Concord, NC**

Mark your calendars!

IEEE SoutheastCon 2010

**March 18-21, 2010
Charlotte-Concord, NC**

Want email about Charlotte events?

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

IEEE CHARLOTTE SECTION NEWSLETTER



**IEEE SoutheastCon 2010
March 18-21, 2010
Charlotte-Concord, North Carolina**

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



David Wallach
Mailcode Ec09q
526 S Church St
Charlotte, NC 28202-1802

3*****AUTO**3-DIGIT 282

PRESORTED
FIRST-CLASS MAIL
U.S. POSTAGE PAID
CLICKMAIL
22202

Editor
IEEE Charlotte Section
PO BOX 49376
CHARLOTTE, NC 28277

41005680-1013-282