The Section Bits

PROVIDING MONTHLY NEWS TO THE ELECTRICAL AND ELECTRONIC ENGINEERS IN THE NEW ORLEANS SECTION OF THE IEEE

APRIL/MAY/JUNE 2016

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Section Chair's Message

To IEEE New Orleans Section members,

Spring is here and in New Orleans that means it is festival season. We had the French Quarter Fest already and Jazz Fest is coming up soon. There are also several exciting events happening in our area for IEEE members. The Intermediate Frequency Control conference will be held at The Roosevelt Hotel from May 9 – 12 and the New Orleans and Communications Society will have a joint technical meeting on May 19 about The CAPE 3 CubeSat Mission Preparations.

Last year this time the New Orleans Section was hosting the Region 5 meeting and the student competition. This year the event was hosted by Kansas City, MO and on Saturday, April 9, the New Orleans Section received the Outstanding Large Section Award and Entergy was presented with the Outstanding Large Company of the Year Award. In addition, IEEE honored Dr. Chan Wong with the region's Outstanding Young Professional Award and Dr. Cedric Walker with the region's Individual Achievement Award. Congratulations to all and you are well deserved!

If you have ideas for technical meeting or activities, please do not hesitate to contact one of the ExCom members. Look forward to seeing you at our next event.

Cat Wong, PhD, PE

Special THANKS to all of our 2015 Patron Manufacturers' Night Sponsors

MSB 35 YEARS

M&I Electric

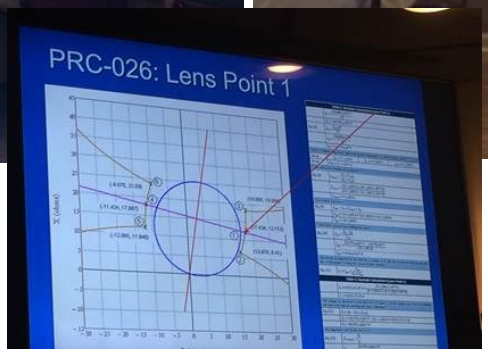
IEEE T&D Conference

AERTKER COMPANY OVER 50 YEARS ELECTRICAL MANUFACTURERS' REPRESENTATIVE

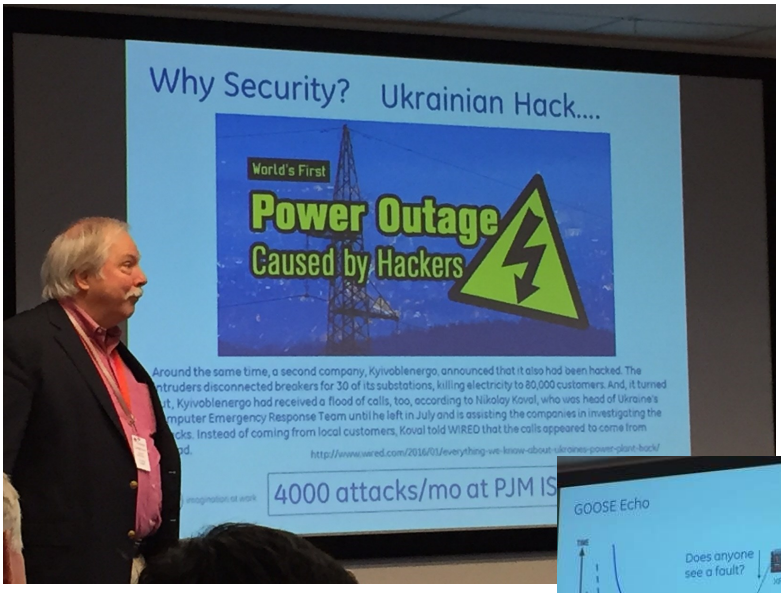
IEEE New Orleans

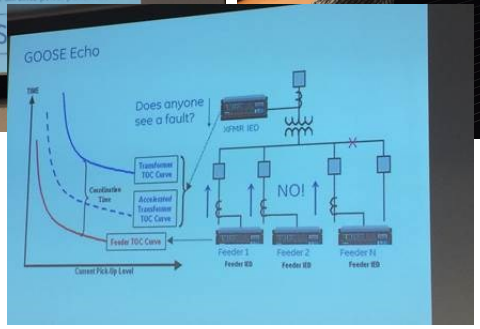
Pictures from Recent IEEE Events

Over the past several months, our IEEE members have been attending conferences, events, and meetings. These pictures capture some of those moments. Please send in any photographs of your events and we will include them in future editions of the Section Bits.



PES Dinner Meeting at Drago's on March 30th
System Power Swing and Line Protection





PES Lunch Meeting on April 7th
Cyber Security Concerns

Region 5 Awards

The New Orleans Section was well represented at the 2016 IEEE Region 5 Annual Conference Awards banquet held on April 9 in Kansas City. Our Section was honored to receive the following 4 awards:

- **New Orleans Section** - Outstanding Large Section Award
- **Entergy** - Outstanding Large Company Award
- **Dr. Chan Wong** - Outstanding Young Professional Member Award
- **Dr. Cedric Walker** (Tulane professor) - Individual Achievement Award

Congratulations to all!

Upcoming Events and Conferences

Schedule of Events

April 21—Life Members meeting
Venue: Madisonville, LA 70447—Contact Tom Slack for more details
Time: 12:00 pm—1:00pm

April 29—UNO Senior Design exhibition

May 2-5 — IEEE PES T&D Conference and Exposition
Hosted by our neighbors in Dallas, TX
For more information: http://www.ieeet-d.org/

May 9-12—International Frequency Control Symposium
Venue: The Roosevelt Hotel, New Orleans, LA
For more information: http://ifcs2016.org/

May 12 —New Orleans Section Executive Committee Meeting
Location: Entergy Building, 639 Loyola Ave., New Orleans
Time: 11:30am

May 19— Joint Communications Society/Section Meeting
Topic: The Engineering Process by which a CubeSat is Developed
Location: Porter and Luke's restaurant 1517 Metairie Rd, Metairie, LA
Time: 6:00-9:30pm

July 28-30—IEEE-USA 2016 Future Leaders Forum
Venue: Tulane University

IAS Meetings—Typically second Wednesday of each month

Life Members Meetings—Typically third Thursday of each month

MAY 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

JUNE 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Joint Communications Society/Section Meeting - May 19th

The engineering process by which a CubeSat is developed

Date:
19 May 2016

Time:
6:00 to 9:30 P.M.

Location:
Porter & Luke's
1517 Metairie Rd
Metairie, LA.

To reserve your seat,
Please Register/RSVP to

http://sites.ieee.org/neworleans/event/comsoc-technical-meeting-05192016/.

For details, please visit:

http://sites.ieee.org/neworleans/society-chapters/communications-society/

CAPE-3

In February of 2016, Dr. Darby received notice from NASA via the ELANA grant award, that the CAPE 3 CubeSat would be provided with a NASA Launch, meaning the CUBE must have been designed, built, tested and made ready for launch by NASA within a 12 to 18 month time frame. The mission is set to encompass a number of experiments, from proof of concept to educational and operational experiments, to scientific ones. These range from a smartphone accessing application to allow high school students to conduct on-

But, that's not the whole story. What Dr. Darby wants to discuss with you is the engineering process by which a CubeSat is developed and readied for its mission. Hence this is the main focus of the presentation.

IEEE

IEEE-USA 2016 Future Leaders Forum

Join Us in New Orleans for First-Ever Future Leaders Forum

Conference Date: 28-30 July 2016
Location: New Orleans, La.
Web: http://futureleaders.ieeeusa.org/

IEEE USA and the New Orleans Section are very excited to announce that the first ever U.S. - Wide Student Young Professional Meeting will be held here in New Orleans at Tulane University on July 28-30, 2016. More details will be forthcoming. Please check the Facebook page link below for more information.

https://www.facebook.com/photo.php?fbid=10153393003540270&set=gm.10153474207282112&type=1

IEEE★USA presents:
FUTURE
LEADERS
FORUM
28-30 July 2016 | New Orleans, Louisiana

Overview

A Groundbreaking Opportunity for Learning, Growing and Networking

Be part of the first-of-its-kind Future Leaders Forum focused on early career technology innovators and thinkers. Meet world-renowned technology leaders and learn how to be one. Be energized by the insights and wisdom of your fellow attendees. Be inspired by the specially formulated leadership labs to boost your career, and enjoy the music, food, and culture of New Orleans.

Distinguished Speakers

- **Vint Cerf**, Vice President and Chief Internet Evangelist, Google; National Medal of Technology and Innovation Laureate
- **Sara Chipps**, Founder, Jewelbots, co-founder Girl Develop It
- **Tracy Chou**, Software Engineer, Pinterest
- **Cory Doctorow**, Science Fiction Author, Activist, Journalist & Blogger
- **Patricia Hatter**, Senior VP of Operations and CIO, McAfee
- **Derk Hendriksen**, VP Business Integration & GM EKOCENTER, Office of Sustainability, The Coca-Cola Company
- **William "Whurley" Hurley**, IBM Master Inventor, Co-founder of Chaotic Moon Studios and Honest Dollar
- **Norma Jean Mattei**, President Elect, ASCE
- **Chandrakant Patel**, Chief Engineer, HP
- **Alton Romig**, Executive Officer, National Academy of Engineering; former director, Lockheed Martin Skunk Works
- **Steven Sasson**, National Medal of Technology and Innovation Laureate, formerly Kodak
- **Tiago Sousa**, Lead Renderer Programmer, id Software, DOOM & idTech 6
- **Lisette Titre-Montgomery**, Video game developer (Sims4, Transformers, The Simpsons, and more)

And more!

Who Should Attend?

- Students of engineering, technology, business, management, and interdisciplinary fields
- Early career professionals in industry and other sectors
- Experienced professionals in science and engineering

IEEE-USA presents:

FUTURE LEADERS FORUM

28-30 July 2016 | New Orleans, Louisiana

Talks and Leadership Labs to Boost Your Career

World-class speakers, compelling narratives. Enhance your career, communications, and tackle big challenges. Interactive leadership labs on imagination, innovation, storytelling, prototyping, and making.

Cultural Experience

-

  Dinner, jazz, and networking on Natchez steamship cruise along the Mississippi River.

- **An exclusive visit to the world-renowned Mardi Gras World**. Dinner, jazz, and conversations in a unique mock Louisiana Plantation Mansion.

- **Learn from Chris Washburne and SYOTOS Ensemble**on what improvisational music can teach about leadership.

- Travel / Housing assistance may be available – Visit the registration pagefor more details
- Want to Be a Forum Partner? Click Here for Details

Registration includes admittance to the event, all conference meals, and all conference events (Natchez steamship, Mardi Gras World, Chris Washburne concert, etc.)

REGISTER TODAY!

Communications Society

2016 ComSoc Officers

Chair: Steve Bourg

Founded in 1952 with the formation of IRE's (the Institute of Radio Engineers) Professional Group on Communications Systems (PGCS), IEEE Communications Society has evolved into a diverse group of global industry professionals with a common interest in advancing all communications technologies.

A very exciting event is planned for the upcoming ComSoc meeting on May 19, which will be a joint meeting with the Section. Dr. Paul J. Darby III, P.E., Assistant Professor of Electrical and Computer Engineering at UL Lafayette, will be presenting on the CAPE Cube Satellite Program. More details can be found in this edition of Section Bits.

Please see the section's Calendar of Events for upcoming society events.

Engineering in Medicine and Biology

2016 EMBS Officers

Chair: Yu-Ping Wang

IEEE Engineering in Medicine and Biology Society (EMBS) is the world's largest international society of biomedical engineers. The organization's 9,100 members reside in some 97 countries around the world. EMBS provides its members with access to the people, practices, information, ideas and opinions that are shaping one of the fastest growing fields in science.

Please see the section's Calendar of Events for upcoming society events.

Industry Applications Society

2016 IAS Officers

Chair: Dean Ruiz

Meetings are typically held on the second Wednesday of each month.

The first IAS meeting was held on March 9, with a presentation by Mark Thiele from Okonite on Cable Testing. 35 attendees participated. A second meeting for 2016 was conducted on April 13. The topic was Energy Automation and 27 attendees participated.

Please see the section's Calendar of Events for upcoming society events.

Computer Society

The IEEE Computer Society is actively working on future meetings, speakers, and topics for 2016. If anyone has recommendations or suggestions, please contact Dr. Anastasia Kurdia.

2016 CS Officers

Chair: Anastasia Kurdia

The Computer Society held its meeting of 2016 on March 2, with a screening of the documentary, "CODE—Debugging the Gender Gap."

Please see the section's Calendar of Events for upcoming society events.

Power and Energy Society

2016 PES Officers

Chair: Peter Wood
Vice Chair: Mei Li
Secretary: Nancy Bissinger
Treasurer: Chris Taylor

Election of new officers for the 2016 term were completed. Join us in welcoming the new PES officers!

The New Orleans PES hosted its first meeting of 2016 on March 30, which was done in conjunction with the Section. The event was held at Drago's Restaurant in Metairie. 53 attendees, with several from the UNO Student Branch, were present to hear Juergen Holbach, PhD from Quanta Technology on the topic of "System Power Swing and its Impact on Line Protection Relaying."

The PES had a luncheon meeting on April 7 addressing Cyber Security Concerns Associated with Smart Grid with a speaker from GE. About 35 attendees participated. A short course is being discussed for later in the year.

Please see the section's Calendar of Events for upcoming society events.

Young Professionals

IEEE Young Professionals is an international community of enthusiastic, dynamic, and innovative members and volunteers. IEEE is committed to helping young professionals evaluate their career goals, polish their professional image, and create the building blocks of a lifelong and diverse professional network.

2016 YP Officers

Chair: Paul Scanlon

Two potential events are being discussed for May: providing a guest speaker for UNO Student Branch's IEEE meeting and a joint event with Society of Petroleum Engineering's (SPE) YP to bring a Mexican Senator to New Orleans to discuss energy regulation changes in Mexico. Stay tuned for more details...

Follow us on Facebook.
Please see the section's Calendar of Events for upcoming group events.

Life Members

2016 Officers

Chair: Tom Slack

Life members must be at least 65 years of age and have been a member of IEEE or one of its predecessor societies for such a period that the sum of his/her age and his/her years of membership equals or exceeds 100 years. When an individual achieves Life member (LM) status, their basic membership dues and Region assessments are waived on 1 January of the year following attainment of LM status.

Life Members Meetings are typically held on the third Thursday of the month. The next meeting is scheduled for April 21 in Madisonville from 12:00pm—1:00pm.

Please see the section's Calendar of Events for upcoming events.

PACE

2016 Contact

Leo Holzenthal

PACE (Professional Activities Committees for Engineers) is a grassroots network of IEEE volunteers and committees organized at the section and chapter level in the United States with support from their respective regions and IEEE-USA. The goal of the PACE Network is to promote the professional interests of IEEE's U.S. members as well as provide a mechanism for communication of members' views on their professional needs. IEEE-USA's success is attributed largely in part to all the hard work out forth by volunteers from the PACE Network. In return, the IEEE-USA National PACE Committee is working to better serve your interests with more programs, better communication, and more opportunities for professional development.

Student Branches

Delgado Student Branch
2016 Officers

Chair: Vacant

University of New Orleans
2016 Officers

Chair: Anthony Leblanc

Tulane Student Branch
2016 Officers

Chair: Clayton Ford
Vice Chair: Radhika Josi
Secretary: Andrew Martz
Treasurer: Daniel Sazer
Membership: Xinyue (Cassie) Wang

IEEE New Orleans Section on Social Media

Check us out on LinkedIn, Facebook, and Twitter

Our IEEE New Orleans Section Website has been given a facelift. Additionally, we now have active accounts on various social media, including LinkedIn, Facebook, and Twitter. On the Website, members can discover:

- Section, Society, and Affinity Group activities
- Meeting announcements
- Online registrations for upcoming meetings
- Archives of past meeting presentations
- Calendar of upcoming events

New Website

Added Content, Features, and Member Benefits

We are now on LinkedIn, Facebook, and Twitter

SPREAD THE WORD

Remembering Charlie Scheffler

On February 13, 2016, our IEEE New Orleans Section family lost one of our dear friends. Charlie Scheffler was an active member in the New Orleans Section for many years, serving as Vice Chair in 2009. He will greatly be missed.

Charles Henry Scheffler, born August 5, 1947, left us on the afternoon of Saturday, February 13, 2016. He is the beloved husband of Linda Albert Scheffler for 45 wonderful years, and cherished father of daughter Valerie Scheffler. Charlie was extraordinarily fortunate to have a lifelong friend in Francis Grosz. After beginning his 33 year long career at NOPSI, Charlie retired from Entergy in 2003. He was a lifelong resident of the New Orleans area, attending Warren Easton High School and later graduating with a Master of Science in Engineering in 1975 from UNO. He was a Professional Engineer (PE) and life member of the Institute of Electrical and Electronics Engineers (IEEE). Charlie was happiest when spending time with family and friends around water, especially during vacations to the Florida gulf coast beaches and in earlier years, at his family's Lake Pontchartrain camp. He took immeasurable pleasure in caring for the people in his life, always offering a helping hand to those around him. Charlie will be greatly missed by many, including a large extended family and numerous friends.

PES Webinars

IEEE PES Webinars consist of eight different categories that cover a wide variety of interests and technical levels. Below are just a few of the archived webinars that are available.

- Planning & Operation of the Utility of the Future
- Data Analytics in Distribution Systems
- How Micro- Utilities Can Eliminate Energy Poverty.
- Going 100% Renewable Energy.
- Electric Utility Crossroads Includes Renewables, Storage, and a Workforce in Transition.
- A Condensed History of IEEE and PES.
- The Road to Becoming a Professional Engineer.
- Basics of Power System Dynamics.
- How the Cloud Can Transform the Energy Business: The Future Internet Approach.
- How to Become an IEEE Senior Member.
- How to Write a Quality Technical Paper and Where to Publish Within IEEE.
- Career Advice - Internships & Jobs in the Power Industry.
- Chapter Websites: Templates, Resources and Best Practices.
- Advanced Analytics for Asset Management - A Case Study.
- Making the Most of Your PES Membership.
- Secure By Design: Battery Systems and Cyber-physical Security
- What's Happening at the IEEE PES Power System Relaying Committee - What Is It and Why Is It Important to You?
- Life Begins at the End of Your Comfort Zone: Life Balance Discussion from a Young Professional Woman in the Power Industry.
- State of Power Engineering Education in the U.S. and Canada: Overview of the 2013-2014 University Survey Results.
- Big Data = Big Challenges for Big Substations and Big Assets

More information can be found at the following link:
http://www.ieee-pes.org/professional-development/education/pes-webinars

Upcoming PES Webinar Offerings

Rooftops PV and Smart Inverters: Challenges and Barriers
April 14, 2016, 7:00 pm Eastern
Presented by Morteza Rezaee
Click here for Details and to Register

PMU Data Quality and Impact on Critical Smart Grid Applications
April 25, 2016, 1:00 pm Eastern
Presented by Anurag K. Srivastava
Click here for Details and to Register

Electrifying Africa Through 2016 IEEE PES Power Africa Conference
May 9, 2016, 2:00 pm Eastern
Presented by Dr. Urenna Onyewuchi, Senior Power System Engineer, Corning Inc.
DR. Lawrence E. Jones, VP, Utility Innovations & Infrastructure Resilience, Alstom Grid Inc.
Bai K Blyden, Senior Engineer, Southern Nuclear Services
Click here for Details and to Register

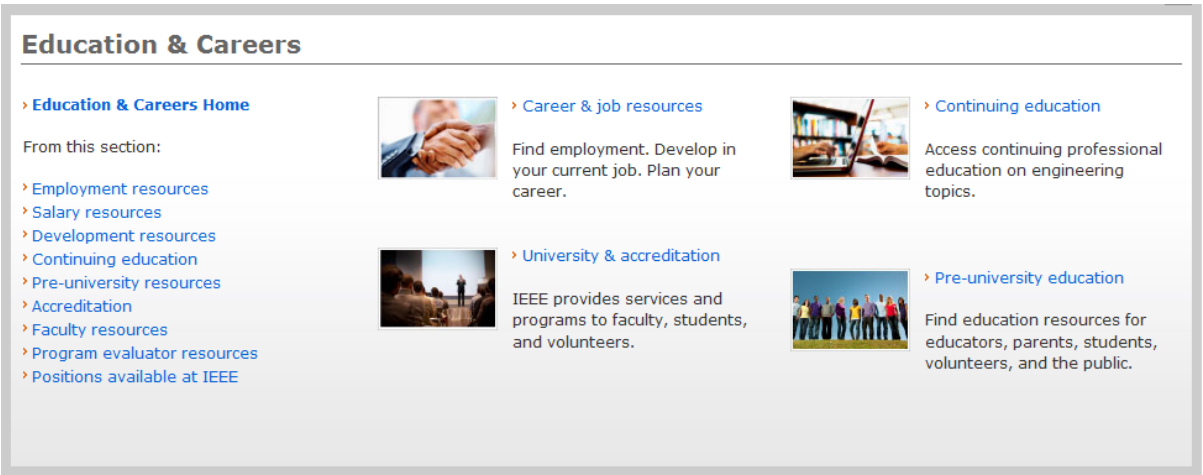
IEEE New Orleans

Member Benefits and Discounts

Education and Careers

IEEE offers a wide range of learning, career enhancement, and employment opportunities within the engineering sciences, research, and other technology areas. The goal of these programs is to ensure the growth of skill and knowledge among professionals and to foster individual commitment to continuing education among IEEE members, the engineering and scientific community, and the general public.

https://www.ieee.org/education_careers/index.html



Future Webinars

IEEE-USA Government Affairs Update
Date: 28 April | 3-3:30 PM EST

Copyrights – What's Copyright Got to Do with It?
Date: 12 May | 2-3 PM EST

IEEE-USA Government Affairs Update
Date: 26 May | 1-1:30 PM EST

Global Dossier – Modernizing the Global Patenting System
Date: 9 June | 2-3 PM EST

Patent Cooperation Treaty
Date: 14 July | 2-3 PM EST

What Small Business Owners, Inventors, and Entrepreneurs Need to Know About China
Date: 11 August | 2-3 PM EST

IEEE-USA Webinars – Earn PDHs

IEEE-USA Webinars are designed to help you find your next job, maintain your career, negotiate an appropriate salary, understand ethical considerations in the workplace and learn about other career-building strategies.

In four easy steps, you can attend one of IEEE-USA's free, live Webinars:

1) Search our listing of future Webinars
2) Register online
3) Receive an email from our Webinar team with sign-on info*
4) Sign on and learn!

You may also view dozens of archived Webinars and download supporting slides and documents, where available.

**Most of IEEE-USA's Webinars are hosted using Webex software.*

Member News

Please welcome the following new members to the IEEE New Orleans Section:

Full Name	Join Date	IEEE Current Grade Description
Rachel Neidermeier Matthews	01-Mar-2016	Student Member
Nishan Rayamajhee	01-Mar-2016	Student Member
Charles Delaune	02-Mar-2016	Student Member
Prayug Koirala	02-Mar-2016	Student Member
Paul Andrew Elmore	03-Mar-2016	Member
Nischal Nath Pant	07-Mar-2016	Student Member
Jacob Schindler	07-Mar-2016	Student Member
Susie Michelle Diaz	08-Mar-2016	Student Member
Michael DeHarde	10-Mar-2016	Member
Sanjiv Pradhanang	14-Mar-2016	Student Member
Jonathan Louis Grimm	21-Mar-2016	Graduate Student Member
Edward Holmberg	21-Mar-2016	Graduate Student Member
Scott James Hymel	21-Mar-2016	Graduate Student Member
Maher Lamer	22-Mar-2016	Student Member
Alexandra Carole Mousset	30-Mar-2016	Student Member
Richard Miller	04-Apr-2016	Member
Santosh Togiti	07-Apr-2016	Member
Juan Fernandez	10-Apr-2016	Student Member
William Athens	12-Apr-2016	Associate Member
Sean Cuff	12-Apr-2016	Student Member
Sean Stephens	12-Apr-2016	Student Member
Kha M Tran	12-Apr-2016	Associate Member
Dung Vu	12-Apr-2016	Associate Member

Special congratulations go to **Leonik Krzysztof**, who was elevated to Senior Member Status in March 2016!

Become an IEEE Senior Member

Did you recently receive an email from Michael Walcott, Associate Director for IEEE New Orleans Section? If so, you may be eligible for elevation to IEEE Senior Member grade.

IEEE Senior Member

Are You Elegible?

Apply Today

IEEE Senior Members are not only highly regarded within our own organization, but by technological industries and companies around the world. Senior Membership is a mark of career achievement and distinction.

How to Apply: See the **Senior Member Application**, benefits and other material at this Web site address: www.ieee.org/seniormember.

If you are eligible, please consider applying for Senior Member grade today. You've earned it, so receive the recognition you deserve!

IEEE New Orleans Section 2016 Officers

Officers:

Chair: *Cat Wong, Ph.D., PE*

Vice-Chair: *Maryclaire Peterson, Ph.D.*

Secretary: *George Bartlett*

Treasurer: *Paul Cassingham*

Director 1: *Tammy Lapeyrouse*

Director 2: *Chan Wong, Ph.D.*

Director 3: *Jason VanHuss*

Associate Director: *Michael Walcott*

vTools Coordinator: *Paul Cassingham*

Budget Committee: *Paul Cassingham*

Recent Past Chair: *Mark McCulla*

Chapter / Affinity Group Chairs:

Communications Society: *Steve Bourg*

Computer Society: *Anastasia Kurdia, Ph.D.*

Engineering in Medicine & Biology: *Yu-Ping Wang, Ph.D.*

Industry Applications Society: *Dean Ruiz*

Power and Energy Society: *Peter Wood*

Young Professionals: *Paul Scanlon*

Life Members: *Tom Slack*

PACE: *Leo Holzenthal*

We're on the web!
http://sites.ieee.org/neworleans/

Student Branches:

Delgado Student Branch: (vacant)

Tulane Student Branch: *Clayton Ford*

University of New Orleans: *Anthony Leblanc*

Volunteer Opportunities

Are you interested in getting more involved with IEEE? If so, there are numerous opportunities where you can volunteer and get engaged.

Here are a few ideas to get you started:

- Connect with your local IEEE Section and Chapters
- Participate in a technical society or council
- Help organize IEEE conferences
- Get involved with the IEEE Standards Association

As an IEEE volunteer, you can take pride in participating in activities that interest you, while expanding your knowledge of IEEE, gaining valuable management and leadership skills, and connecting with others in your profession.

For more information, please contact any of the New Orleans Section Executive Committee members or go to: http://www.ieee.org/about/volunteers/volunteer_index.html.