

THE ANALOG

Message from CTS Chairman

Although with school holidays and many vacations that will take place in July and August, the IEEE Central Texas Section continue to provide our members and community at large with relevant service with antiquing topics offered by IEEE societies and affiliated groups and special events.

I'd like to direct your attention to a few interesting presentations and events that will take place in the month of July.

A. Highlights of July Topics and Meetings

- Quantum Computing - Major US Corp. are investing \$2.2B in Quantum Computing research and Venture Capitals put in \$147M to Quantum Computing Start-ups, according to Deloitte Advisory LLP. Is whether quantum computers are distinctly different from classical computers? (AUS-Jul 17)
- All-Hazards System Restoration Methodology-ERCOT has developed an All-Hazards System Restoration Methodology to ensure continuity capability of the ERCOT interconnect. (AUS-Jul 24)
- 5G impact in the energy sector and approach of integrating densely-deployed IoT devices into an Augmented Reality (AR) environment for energy management. (AUS-Jul 26)
- Biosensors - The history of biosensors and then focus on applications in the medical and biomedical segments. Recent advances in field-portable and human-embedded applications will also be highlighted. (SA-Jul 31)

Further references are provided with this newsletter.

For updated list of events for the month, please consult with Central Texas Website – Calendar section @ <http://sites.ieee.org/ctx/>

B. Future Leaders Forum Event, July 26-28

Please take note of the upcoming IEEE-USA's 2018 Future Leaders Forum and interactive Career Expo, July 26-28 in Austin.

This one-of-a-kind event provides attendees with interactive learning opportunities, entrepreneurial skills, and motivational speakers while taking them on a journey centered around our four themes: Lead, Empower, Adapt and Design.

This is a great opportunity to get involved.

A \$100 discount code can be applied towards registration fee – Promotion code FLFR5100.

If you represent a company then you can also contribute to this event. A few ideas are list below and the overall Patron package provided on the event website.

A detailed program can be found at <https://futureleaders.ieeeusa.org/2018-program/>

C. Fall Forum

We are planning for a special forum this fall to serve our members and our community. We are in the planning stage and seek your input and we welcome your participation.

If you are interested, please send an email to the chair of Central Texas Section Chair to f.behmann@ieee.org

D. Welcome Your Feedback and Suggestions

We would like to hear from you.

- Suggest an idea or two as to how we can serve you better
- An event that you like to see serving the community
- We are entering the election season. The <http://sites.ieee.org/ctx/> provides section roster and list of all chapters and affinity groups. If you like to volunteer and serve in any function, then please let us know.

Just drop us a line and send to f.behmann@ieee.org:

Chairman, IEEE Central Texas Section
Fawzi Behmann
f.behmann@ieee.org

Listed below are the IEEE Central Texas Section/Chapter events/activities/meetings scheduled for July

For detailed information on the Central Texas Section,
please visit website at:
<http://sites.ieee.org/ctx>

*** Upcoming Local IEEE Sponsored/Supported Events ***

IEEE Future Leaders Forum
IEEE USA Sponsored Event
July 26-28 Austin, TX
Details at: futureleaders.ieeeusa.org

IEEE 1547 Standard for Power System Interconnect
Power and Energy, (PI)2 Chapter Sponsored Workshop
Thursday, August 23 8:00 AM to 3:00 PM
Austin Scottish Rite Theater, Austin, TX
Registration and more information:
https://meetings.vtools.ieee.org/meeting_view/list_meeting/173458

*** Central Texas Section Chapter Meetings

Joint Systems, Man, and Cybernetics and Aerospace and Electronic Systems
Thursday, July 12, 11:30 – 12:30 PM *** LUNCH MEETING ***
Building: Building 84, Tom Slick Memorial Library
Room Number: Library Reading Room

Southwest Research Institute
6220 Culebra Road
San Antonio, 78228

Topic: Women in Astronomy

Speaker: Amanda Bayless of Southwest Research Institute

Cost: None

Map: See Vtools announcement

RSVP: please register at: https://meetings.vtools.ieee.org/meeting_view/list_meeting/174478

For more information: Contact W.Downing@ieee.org

Life Members Affinity Group – Austin

Tuesday, July 17, 2 PM – 3:30 PM, *** LATE LUNCH MEETING ****

PoK-e-Jo's Smokehouse

2121 W. Parmer Lane at Lamplight Village

Austin TX 78727

Topic1: IEEE Life Member 2018 Technical Tour Review

Speaker 1: T. Scott Atkinson of IEEE Life Member -San Antonio

Topic 2: Quantum Computing - Emulation Using Analog Electronics

Speaker 2: Brian La Cour of University of Texas at Austin, Advance Research Labs

Cost: Lunch on your own.

RSVP: https://meetings.vtools.ieee.org/meeting_view/list_meeting/174394

For more Information: email kaiwong@ieee.org

Power and Energy, (PI)² Chapter – Austin (PES/PELS/IAS/IES)

Wednesday July 18, 5:30 – 7:30 PM , Social and Dinner

Friends and Allies Brewing Company's primary production

979 Springdale Road

Austin, Texas 78702

Topic: SOCIAL

Speaker:

Cost: None, beer or other drinks on your own

RSVP: Please register using IEEE Vtools at: <https://events.vtools.ieee.org/m/173541>

For more information: Please Email: pi2-secretary@ieee.org

Life Members Affinity Group – San Antonio

Thursday, July 19, 9:45 AM – 11:30 PM *** MORNING MEETING – LUNCH AFTER TOUR ***

La Fonda

8633 Crownhill Blvd.

San Antonio, TX

Topic: Tour of the Tri-Service Research Laboratory (TSRL) at Fort Sam Houston

Speaker:

Cost: None, optional lunch from menu – self pay

Note: Park at La Fonda, carpool to Fort Sam Houston

RSVP: please register at https://meetings.vtools.ieee.org/meeting_view/list_meeting/174409

For more information: jim.brakefield@ieee.org

Power and Energy, (PI)² Chapter – Austin (PES/PELS/IAS/IES)

Tuesday July 24, 6:00 – 8:30 PM , Social and Dinner 7 – 7:30, Program 7:30 – 8:30

Cover 3

2700 West Anderson Lane

Austin, Texas 78757

Topic: All-Hazards System Restoration Methodology (Black Start)

Speaker: Evan A. Pierce, System Operations Training, ERCOT of The Electric Reliability

Council of Texas (ERCOT) Cost: We ask that all attendees order at least \$20 in food and drink, or consider this to be a cover charge.

RSVP: Please register using IEEE Vtools at: <https://events.vtools.ieee.org/m/174091>

For more information: Please Email: pi2-secretary@ieee.org

JOINT MEETING

Joint Communications and Signal Processing (COMSOC/SP) – Austin

Engineering, Medicine, and Biology Society

Computer Society – Austin

In collaboration with – Austin Internet of Things

Thursday, July 26, 6:00 – 8:00 PM

AT&T Labs

Room #220

9505 Arboretum

Austin, Texas

Topics: 5G and IoT enable smart Energy Management

Speaker: George Koutitas, Electrical and Computer Engineering, Texas State University

Cost: None, food/drinks provided

RSVP: Please RSVP at: <https://events.vtools.ieee.org/m/174453>

For more information: f.behmann@ieee.org

Engineering Medicine and Biology – San Antonio

Wednesday, July 31, 7:00 – 8:30 PM

St. Mary's University

University Center, Conference Room B

1 Camino Santa Maria

San Antonio, 78228

Topic: Biosensors

Speaker: Tome Jobe, IEEE EMBS Distinguished Lecturer

Cost: None

RSVP: please register at: https://meetings.vtools.ieee.org/meeting_view/list_meeting/160432

Directions: See map in Vtools

For more information, contact: Sunny at e.shahhaidar@gmail.com

IEEE Conference Search can be found at

<http://www.ieee.org/web/conferences/search/index.html>

Click on the quick links below to take advantage of the online services offered by the IEEE:

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