

Florida Council Report

Canaveral Section 08-JUN-2024

https://webinabox.vtools.ieee.org/wibp_home/index/R30507

Dr. Paul Nyffenegger
Chair, Canaveral Section
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2024 Section Officers Elected

- Chair- Dr. Paul Nyffenegger (PaulNyffenegger@IEEE.org)
- Vice Chair- Vince Socci (socci@IEEE.org)
- Secretary- *Vacant*
- Treasurer- Bill Nutter (william.t.nutter@ieee.org)
- Membership Dev– Macaulay Osaisai (mosaisai@ieee.org)
- Student Activities– Dr. Mevlut Guvendik
(guvendikm@easternflorida.edu)
- Educational Activities- Macaulay Osaisai
- Awards– Greg O’Neill (gregoryoneill8029@att.net)
- PACE- Vince Socci
- CCTS Representative- Macaulay Osaisai
- Life Member Affinity Group Chair – Macaulay Osaisai
- Life Member Affinity Group Vice – Ron Jakubowski

Recent Meetings Held

- Meetings held since last FL-Council
 - 24-Feb Event With CCTS Celebrating Engineer's Week Eyewitness to History: Cape Canaveral During the Space Race
 - 27-Feb EWeek event follow on: IEEE 1st Annual Engineers Week Professional Networking Evening (joint with Melbourne Section)
 - March and April ExComs
 - 23-May Tech Talk: We Don't Want To Live Without Ubiquitous Sensors.
- Meetings planned:
 - 27-June ExCom

Canaveral Section Technical Talk:

We Don't Want to Live Without Ubiquitous Sensors

The Canaveral Section organized a meeting and light Tech Talk "We Don't Want to Live Without Ubiquitous Sensors: A Short Introduction" on May 23rd delivered by sectin chair Dr. Paul Nyffenegger, focusing on the history of several sensor modalities, what has led to electronic transducers, the co-development of systems and sensors, how modern sensors have enabled control systems in modern manufacturing, and what we will likely see as the next developments in ubiquitous sensing and the Internet of Things. A few block diagrams were presented that emphasize the common elements of modern sensing systems including SCADA displays.

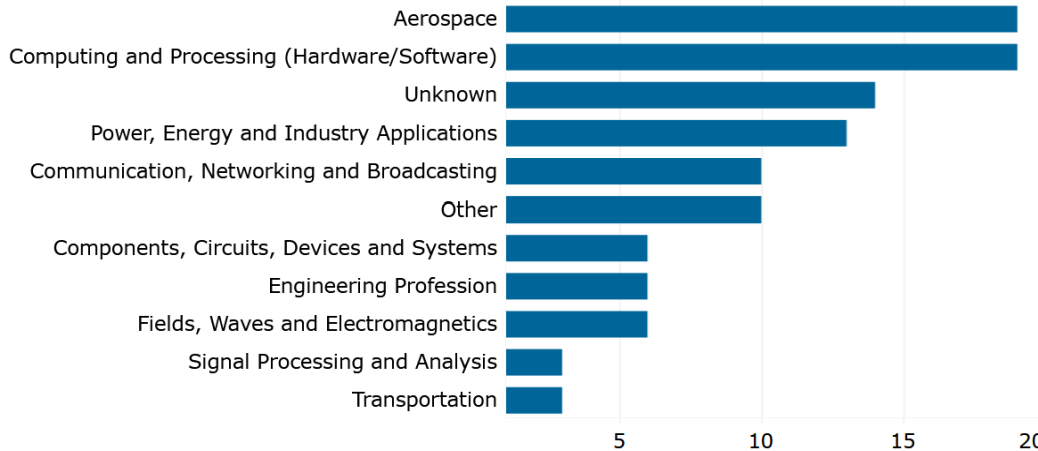


The IEEE Sensors Council was also introduced over 6 slides, yearly and upcoming Sensors Council conferences were highlighted, and Sensors Council journals and co-sponsored publications were discussed. Lastly some important IEEE standards enabling the development of ubiquitous sensors were emphasized before looking at some example visualizations of data produced by modern sensor systems and highlighting the challenges of sensor operations in a cluttered environment. The tech-talk ended with an open discussion with the audience on technical and societal implications.

This meeting and tech-talk was co-sponsored by the Melbourne section and both Canaveral and Melbourne section life-member affinity groups. The cooperative efforts across sections were vital to making this a successful meeting.

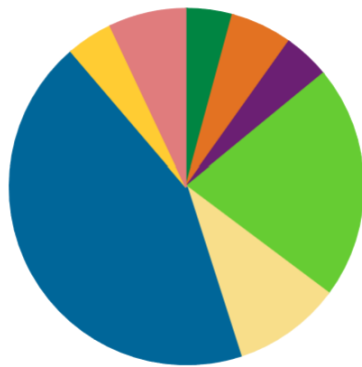
Current Membership

Count by Technology Focus Area



115 Total Members
Down from 135 DEC last year
29 in arrears
(not included in totals)

Count by Grade



Grade

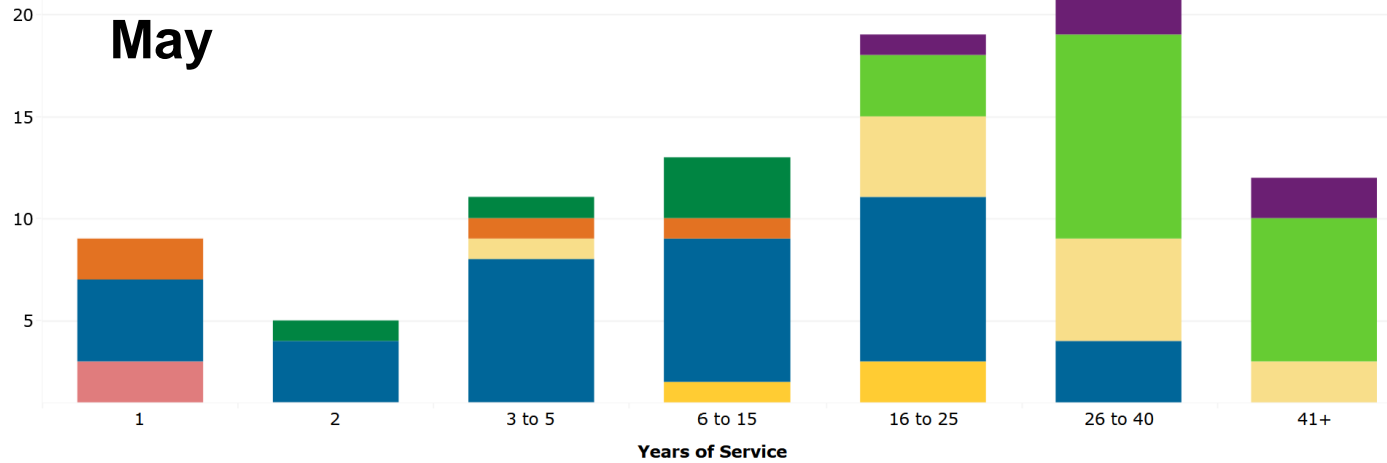
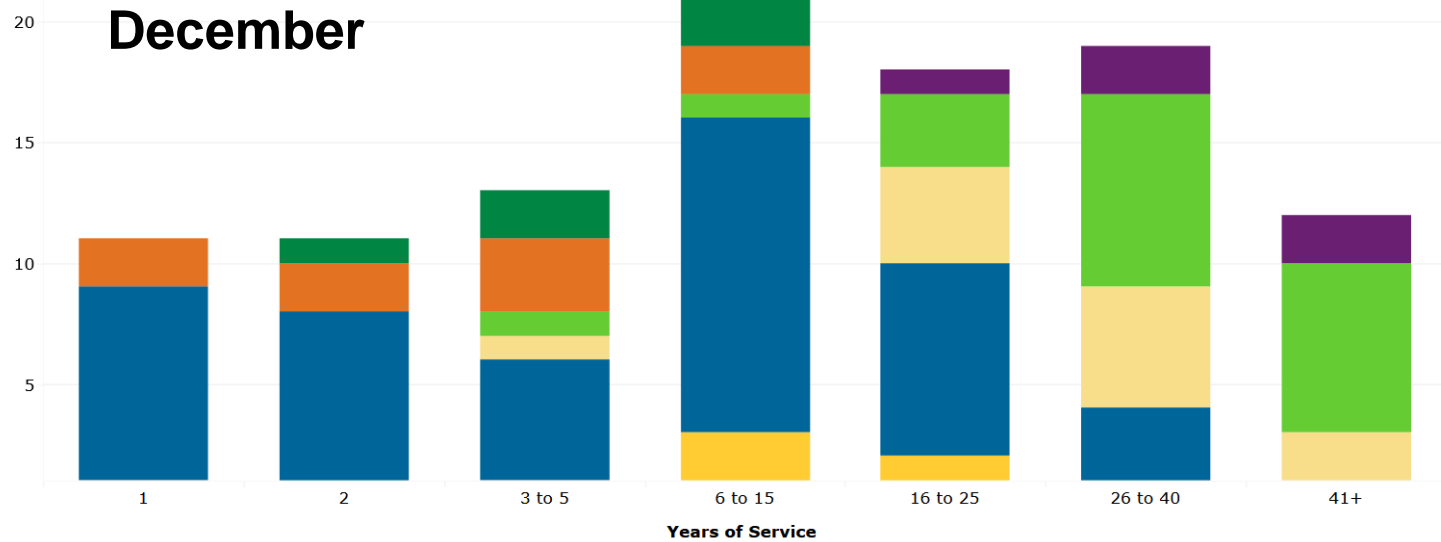
- Affiliate
- Graduate Student Member
- Life Fellow
- Life Member
- Life Senior
- Member
- Senior Member
- Student Member

Grade

Total

Associate Member	1	^
Graduate Student Member	4	
Life Fellow	3	
Life Member	31	
Life Senior	13	
Member	51	
Senior Member	4	
Student Member	8	
Total	115	

Count by Grade and Years of Service



Section Outreach:

- Canaveral participates in other organization's events
 - Usually one or two section members*
 - Science Bowl (Space Coast Science Educators)
 - Energy Whiz (Florida Solar Energy Center)
 - SmallSat Education Conference 2024 (Consortium)
 - Canaveral Council of Technical Societies events
 - Space Visions Symposium (Early May 2024)
 - Technical/Social Events (Engineers Week, etc.)
- Melbourne Section co-sponsors our events and vice-versa
- Vince-Socci (Canaveral VC /PACE) is planning a multi-day STEM program for fall (Rocket Recorder)

Near-Term Plans

ExCom end of June to plan remaining year through annual banquet

Rocket Recorder STEM program flesh out

Cooperation with Melbourne section: fall symposium

Far Term Plans

WouldLikeToDo(s)

3rd–4th Quarter 2024

- Young Professionals event (* Joint Melbourne)
- WIE Event (* Joint Melbourne)
- SmallSat Education Conference

- Rocket Recorder Project (Vince)

- Canaveral Section Awards (Paul and Greg)
Professional Service to Canaveral Section

- Annual Banquet scheduled for Red Lobster (maybe)

Challenge Items

- Attendance at section meetings and social events continues to be low
 - Mitigate by co-sponsoring with Melbourne

Enotice Report:

Statistics	
Sent ?	147
Delivered ?	147
Opened ?	54
Clicked ?	5

19 Jan 2024 03:53 PM America/New_York

Statistics	
Sent ?	194
Delivered ?	194
Opened ?	82
Clicked ?	5

07 Jun 2024 11:01 AM America/New_York

Before 36%
After 44%

- Small budget – Region funding is one event at a time.
- Failed: 1st Quarter Focus on reboot of student chapter at EFSC
- Failed: Blue Origin visit (contacts)

As Chair, I have concerns of the continued viability of Canaveral Section