

# **IEEE Orlando Section Monthly**

**Vol. 55, No. 11 – December 2021**

## **IEEE Orlando Section Christmas Meeting**

Dubsdread Florida Room  
**Monday, December 13<sup>th</sup>, 7:00 pm**



**Topic and Keynote Speaker**  
*"Use of Artificial Intelligence  
and Virtual Reality to enhance  
Telemedicine/Telehealth."*  
Roger Acevedo, Ph.D.

**[CLICK HERE FOR MORE INFORMATION](#)**

### **Section/Society Chapter/Affinity Group Events**

- [Dec. 13: 2021 IEEE Orlando Section Christmas Meeting](#)
- [Dec. 14: IEEE SoutheastCon 2023 - Conference Committee Meeting](#)

### **Section News**

- [IEEE Orlando Section Honors Section Members at 2021 Awards Banquet](#)
- [Call for Volunteers for Chapter Officers and Committee Officers](#)

### **Student Branch News**

- Valencia College Student Branch Pandemic Project:  
- [Sanitizing Drone, The Flying Cleaner](#)
- UCF Student Branch Autonomous Disinfection Robot (ADR):  
- [IEEE UCF ADR Slide](#)  
- [IEEE UCF ADR Prompt](#)
- [UCF IEEE Student Branch Discord Page](#)
- [UCF IEEE Student Branch Sponsorship Packet](#)
- [IEEE Photonics Establishment of a 'Student Task Force:](#)

## Member Recognition

- [IEEE Orlando Section Congratulates Our New Senior Members!](#)

## Reports/Newsletters

- [3rd Quarter IEEE-USA Consultants Newsletter](#)
- [IEEE Orlando Section Monthly - Dec 2021: HTML - PDF](#)
- [October 2021 IEEE Membership Development Report](#)
- [IEEE Region 3 Newsletter](#)

## Other IEEE News/Events

- [IEEE Annual Election - IEEE-USA President-Elect Candidates](#)
- [IEEE Virtual Events in vTools](#)
- [IEEE Virtual Events in IEEE Collabratec](#)
- [IEEE Member Discounts](#)
- [SOCIETY SENTINEL](#)
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- [IEEE TA Spotlight](#)
- [Latest IEEE-USA E-Books' Free Offerings to Members](#)
- [IEEE MGA SCOOP NEWS](#)
- [IEEE HISTORY CENTER NEWS](#)

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## 2021 IEEE Orlando Section Christmas Meeting

**Keynote Speaker:** Roger Azevedo, Ph.D.

**Topic:** "Use of Artificial Intelligence and Virtual Reality to enhance Telemedicine/Telehealth."

**Bio:** Dr. Azevedo is a Professor in the School of Modeling Simulation and Training at the University of Central Florida. He is also an affiliated faculty in the Departments of Computer Science and Internal Medicine at the University of Central Florida and the lead scientist for the Learning Sciences Faculty Cluster Initiative. He received his PhD in Educational Psychology from McGill University and completed his postdoctoral training in Cognitive Psychology at Carnegie Mellon University. His main research area includes examining the role of cognitive, metacognitive, affective, and motivational self-regulatory processes during learning with advanced learning technologies (e.g., intelligent tutoring systems, hypermedia, multimedia, simulations, serious games, immersive virtual learning environments). More specifically, his overarching research goal is to understand the complex interactions between humans and intelligent learning systems by using interdisciplinary methods to measure cognitive, metacognitive, emotional, motivational, and social processes and their impact on learning, performance, and transfer. To accomplish this goal, he conducts laboratory, classroom, and in-situ (e.g., medical simulator) studies and collects multi-channel data to develop models of human-computer interaction; examines the nature of temporally unfolding self- and other-

regulatory processes (e.g., human-human and human-artificial agents); and designs intelligent learning and training systems to detect, track, model, and foster learners, teachers, and trainers' self-regulatory processes. He has published over 300 peer-reviewed papers, chapters, and refereed conference proceedings in the areas of educational, learning, cognitive, educational, and computational sciences. He was the former editor of the Metacognition and Learning journal and serves on the editorial board of several top-tiered learning and cognitive sciences journals (e.g., Applied Cognitive Psychology, International Journal of AI in Education, Educational Psychology Review, European Journal of Psychological Assessment). His research is funded by the National Science Foundation (NSF), Institute of Education Sciences (IES), National Institutes of Health (NIH), and the Social Sciences and the Humanities Research Council of Canada (SSHRC), Natural and Sciences and Engineering Council of Canada (NSERC), Canada Research Chairs (CRC), Canadian Foundation for Innovation (CFI), European Association for Research on Learning and Instruction (EARLI) and the Jacobs Foundation. He is a fellow of the American Psychological Association and the recipient of the prestigious Early Faculty Career Award from the National Science Foundation.

**Date:** Monday, December 13th, 2021

**Time:** 7:00 pm to 8:30 pm

**Place:** Historic Dubsdread Florida Room, 1549 W Par St, Orlando, FL 32804

**Cost:** Attendance is free to all IEEE members and Non-IEEE members.

**RSVP:** Pierce Mooney at [pierce.a.mooney@ieee.org](mailto:pierce.a.mooney@ieee.org)

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## **IEEE SoutheastCon 2023 - Conference Committee Meeting**

**Date:** Tuesday, December 14th, 2021

**Time:** 7:00 pm

**Contact:** Joe Juisai at [joe.juisai@ieee.org](mailto:joe.juisai@ieee.org) for the meeting URL and RSVP

### **Join WebEx Meeting:**

<https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=mcb2869286cc249e50ec5ad511f84b804>

Meeting ID: 130 759 3803

Passcode: NbsvKEQA447

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## **IEEE Orlando Section Congratulates Our New Senior Members!**

The IEEE Orlando Section congratulates our new Senior Members:

- **Gerald Haddock**
- **Vahraz Zamani**

For details on how to apply for IEEE Senior Member grade and view the review panel meeting dates, visit the [IEEE Senior Member homepage](#).

For Senior Member inquiries, contact: [senior-member@ieee.org](mailto:senior-member@ieee.org)

**Helpful Senior Member web links:**

- [Senior Member Update](#)
  - [Senior Member Application](#)
  - [FAQ's: Senior Member Application, Nomination, and Reference Form](#)
  - [IEEE Membership Pins](#)
  - [Senior Member Nomination Event Guide](#)
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## **IEEE Photonics establishment of a 'Student Task Force'**

The IEEE Photonics Society is establishing a 'Student Task Force,' that will be led by the Society's Associate Vice President for Student Membership. The society is currently recruiting student leaders, i.e. AAS, undergraduate and graduate students, who are interested in volunteering and serving as strategic leaders. The Task Force will be responsible for driving student programs and recruitment initiatives in support of the Society's goal of delivering valuable member experiences and benefits globally. Orlando Section student members interested in being a Strategic Leader with the 'Student Task Force' with the IEEE Photonics Society are encouraged to apply to join this team and enhance their leadership experience and networking connections! Follow the link <https://photonicsociety.us15.list-manage.com/track/click?u=c12d174ec3dac950a7b464238&id=15f0462868&e=df59d8cc35> to apply.

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## **Call for Volunteers for Chapter Officers and Committee Officers**

The Orlando Section is currently seeking volunteers for Chapter Officers and Committee Officers. Interested individuals should e-mail the Section Chair Varadraj Gurupur at [Varadraj.Gurupur@ucf.edu](mailto:Varadraj.Gurupur@ucf.edu) to schedule an information session and interview.

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