

[View this email in your browser](#)



IEEE ULTRASONICS, FERROELECTRICS,  
AND FREQUENCY CONTROL SOCIETY  
Newsletter



## UFFC-S Newsletter - March 2024



### IN THIS ISSUE

[Good News](#)

[Society Updates](#)

[Symposia](#)

[Education](#)

[Publications](#)

[Awards](#)

[Student Membership](#)

[Keep In Touch](#)

### GOOD NEWS

#### Executive Committee Spotlight

**Name:** Debra Coler

**Lab/Institution/Company:** OEwaves, Inc.

**What you are currently working on at your lab/institute/job?:**

Currently my title is Vice President, Contract Management. I handle all research contracts and grants, subcontracts and proposals. My goal is to retire soon.



[Read More](#)

#### UFFC Member Co-Authors Book

By: *Dale Ensminger, Leonard J. Bond*

The 4<sup>th</sup> edition is a revised, updated and expanded version of a classic text. It is a unique book in that it introduces the full scope and range of ultrasonics as a field of activity, including basic theory, low and high power transducers, and then applications to material characterization, low power measurements (metrology), nondestructive testing, high power ultrasound and its fundamentals, in both engineering and sonochemistry and then medical applications for diagnosis, therapy and surgery. It is suitable for undergraduates, graduate students and professional engineers.

More details can be found on the publisher's website below.

[Publisher's Website](#)

[Google Books](#)

[Back to Top](#)

---

## UFFC SOCIETY UPDATES

### IEEE UFFC-S Launches CATAVault



CATAVault is the cutting-edge UFFC-S (Ultrasonics, Ferroelectrics, and Frequency Control Society) video library, revolutionizing the way educational

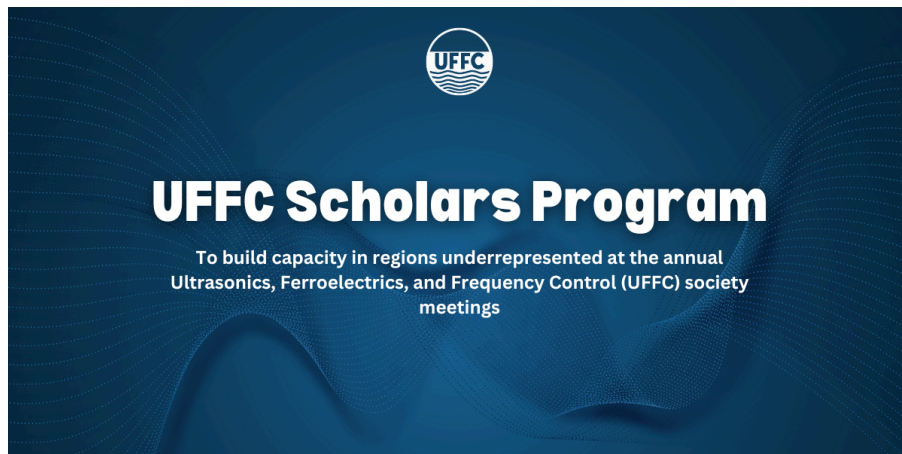
presentations, and more, CATAVault is designed to empower individuals with an immersive learning experience in the fields of ultrasonics, ferroelectrics, and frequency control.

[Visit IEEE UFFC CATAVault](#)

[Reset Password](#)

---

## UFFC Scholars Program



**Submission Deadline: 12 April 2024**

---

Attendance at the annual UFFC meetings has historically been very low in Latin America, the Caribbean, Africa, and Southeast Asia. High travel costs, high registration costs, visa/entry challenges, and a requirement of an accepted paper for home institution support or travel grants combine to produce low involvement year after year. This year, the UFFC seeks to remove potential barriers for three UFFC scholars to increase attendance at the annual UFFC society meetings as a stepping stone to building a truly international UFFC society. As the end goal is building capacity across the world, the UFFC Scholars program is open to individuals who will build capacity in their home country over many years.

### Program Information

- Three UFFC Scholars will be selected, one each from Ferroelectrics, Frequency Control, and Ultrasonics.
- Full in-person conference registration including the tutorial day will be covered (waived at the time of registration).
- Full travel costs will be covered up to a maximum of \$5000 USD. This will include:

- Per diem for food based on publicly available estimates from either the U.S. State Department ([https://aoprals.state.gov/web920/per\\_diem.asp](https://aoprals.state.gov/web920/per_diem.asp)) or the U.S. General Services Administration (<https://www.gsa.gov/travel/plan-book/per-diem-rates>)

For more information on the UFFC Scholar Program, including application details, please visit the link below:

### UFFC Scholar Program Details

## Ongoing Calls for Volunteers



UFFC-S is seeking dedicated volunteers to offer their time and service in positions within the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society.

If you are a committee chair and would like to submit an open volunteer application to be posted on the Volunteer Opportunities page, please click [here](#).

[Visit the UFFC-S Volunteer Opportunities Page](#)

## Senior Membership

**If you have 10+ years of work or research experience, you can apply for Senior Membership!**

Senior membership is not just a recognition of your experience in the community, but also makes you eligible for executive IEEE volunteer positions,



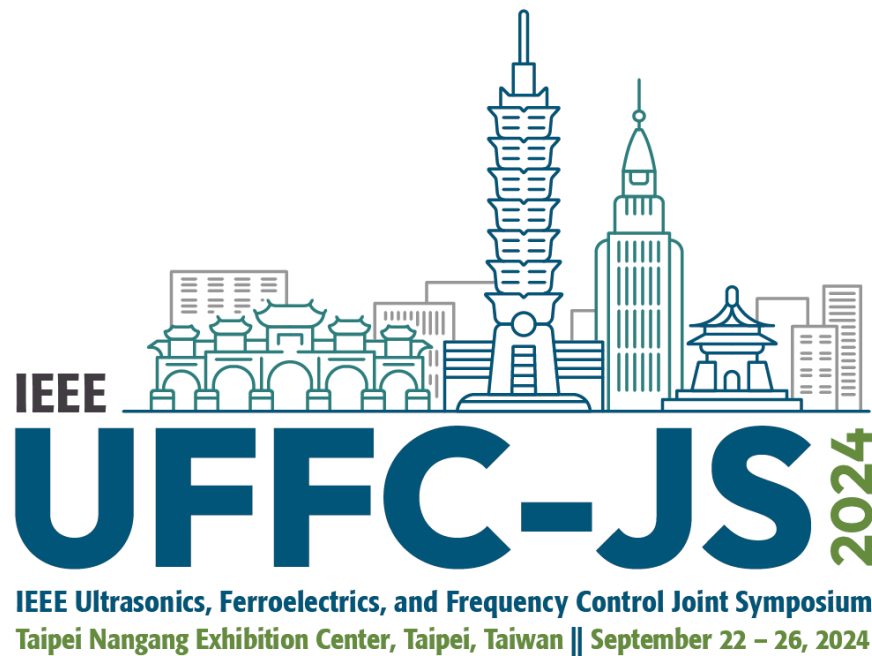
Full IEEE members with 10 years of professional experience, including credit for degree programs are eligible to apply for senior membership. You can receive 3 years of credit for a bachelor's degree, 4 for a master's, and 5 for a PhD towards this requirement. UFFC-S encourages all eligible members to apply for senior membership.

[Apply Here](#)

[Back to Top](#)

---

## SYMPOSIA



The 2024 **IEEE Ultrasonics, Ferroelectrics, and Frequency Control** Joint Symposium will take place **September 22 - 26, 2024** at the Taipei Nangang Exhibition Center in Taipei, Taiwan. This joint conference celebrates the 70th anniversary of the IEEE UFFC Society.

For more information, please visit the UFFC-S website below.

[2024 UFFC Joint Symposium](#)

[Call Document](#)

---



: 27 March 2024 – 29 March 2024

: Gandhinagar, Gujarat, India


The IEEE SAUS 2024 is approaching with an exciting line-up of keynote talks and invited speakers who will be attending in person. The program includes 3 pre-conference tutorials, 45 podium presentations, and 60 poster presentations by authors from around the world. The registration deadline for presenting authors and the final paper submission deadline is 29 February 2024. The conference registration is now open to non-author virtual attendance. The deadline for video presentation submissions is 9 March. More details can be accessed on the SAUS website.


[SAUS 2024 Website](#)

---

## 2024 IEEE UFFC Latin America Ultrasonics Symposium



: 8 May 2024 – 10 May 2024

: Montevideo, Uruguay

opportunities to the ultrasonics and acoustics community in Latin America (LATAM) in connection with the rest of the world.

LAUS 2024 warmly welcomes researchers from across the globe, providing a genuine opportunity to showcase their work, establish scientific connections, and gain insight into the research conducted in LATAM, as well as its regional and international collaborations. This conference will offer a hybrid option, allowing remote access for participants who cannot attend in person.

Abstracts should be submitted according to the guidelines available on the conference website. Each abstract will receive careful review and evaluation by the symposium Technical Program Committee. Accepted abstracts describing novel research will be eligible to submit a full paper to be published in IEEE Xplore


### LAUS 2024 Website

## IEEE Life Members Conference



We are excited to announce the inaugural Life Member Conference, designed to strengthen the engagement of IEEE's 38,000 Life Members in shaping our collective future. Life Members represent all disciplines across the IEEE's fields of interest. We are also dedicated to giving back and sharing our expertise with the next generation.

: 14-16 April 2024

: Hyatt Regency, Austin, Texas

**The conference has three tracks:**

### 1. Emerging Technologies – that impact seniors

- Technologies of the Future and the Next Chapter
- Aging Society and Technology Progress

---

## 2. Applications – technologies used by aging populations

- Financial and Investment Strategies
- Smart Systems, Infrastructure, Equipment, and Living

## 3. Contributions – members sharing resources with future leaders

- Mentors and Influencers in the Modern Society
- Professional Development, Sharing, and STEM Education

### Life Members Website

[Back to Top](#)

---

## STUDENT MEMBERSHIP

### Student Representatives

UFFC invites you to join us in welcoming two of the three new Student Representatives for the 2024-2025 term. Read more about them below.

#### 2024-2025 Ultrasonics Student Representative



- **Preferred Name:** Andrew Markel
- **Institution:** Tulane University
- **Short Bio:** My research focuses on applying advanced medical imaging techniques to study female reproductive disorders. Some of my projects include work in photoacoustics, quantitative ultrasound, 3D visualization, and machine learning. I am also the founder and co-host of Big Easy Science, a New Orleans-based podcast focused on telling the stories of the people working in science and making cutting-edge scientific research more accessible, first season premiering this summer.
- **Why do you volunteer with UFFC-S?:** I volunteer with UFFC-S to help promote community and collaboration across all levels of researchers, from students, to professors, to industry professionals. Can't wait to see y'all in Taiwan!

---

#### 2024-2025 Frequency Control Student Representative



- **Preferred Name:** Laune Meisterheim
- **Institution:** Université de Lorraine
- **Short Bio:** I am a PhD student in physics working on magnetic sensors based on surface acoustic waves for biomedical applications. I have a strong interest in researching new devices for health.
- **Why do you volunteer with UFFC-S?** I am volunteering with UFFC-S because I want to gain a deeper understanding of the research process outside of a laboratory and broaden my perspective on the activities of the IEEE organization, particularly in my field of research.

[Back to Top](#)

---

## PUBLICATIONS

### IEEE TRANSACTIONS ON ULTRASONICS, FERROELECTRICS, AND FREQUENCY CONTROL

[View the T-UFFC Current Issue](#)

---

## Calls for Papers for Upcoming Spotlight Issues

### Breaking the Resolution Barrier in Ultrasound

This issue aims to collect original research, tutorials, full-length reviews, and perspective papers (mini reviews) to promote the publication and dissemination of a wide range of technical knowledge on the theme of super-resolution imaging and its associated preclinical and clinical applications.

**Submission Deadline: 31 May 2024**

[View the T-UFFC Call Board](#)

---



Publication

## IEEE Open Journal of Ultrasonics, Ferroelectrics, and Frequency Control Society

[View the OJ-UFFC Current Volume](#)

---

### **Calls for Papers for Upcoming Special Issues**

#### **Special Issue on Air-Coupled Ultrasound**

This special issue seeks contributions from authors who are engaged in transducers design, optimization, and manufacturing, dedicated electronic systems and signal processing methods and their use in different applications

**Submission Deadline: 31 March 2024**

[View the OJ-UFFC Call Board](#)

[Back to Top](#)

---

### **AWARDS**

#### **Award Nominations**





The **Ultrasonics, Ferroelectrics, and Frequency Control Society** is now accepting nominations for the 2024 Society and all Technical Committee Awards.

Award Submission Deadline: **Friday, 15 March 2024**

To nominate yourself or a colleague, please see the requirements below:

[Nomination Form](#)

[Back to Top](#)

---

## JOB MARKETPLACE

To advertise a job on the UFFC-S Job Marketplace, please submit the job information to our [IEEE UFFC Job Submission Form](#).

For any questions, please contact: [uffc-admin@conferencecatalysts.com](mailto:uffc-admin@conferencecatalysts.com).

---

## KEEP IN TOUCH

[Please Tell Us Your Stories](#)

as it occurs and include selected items in the quarterly highlight newsletters. Finally, in addition to the usual notices and updates we share, we're keen to promote good news and successes from across our society. If you or those you work with have received an award, successfully defended their Ph.D. thesis, secured funding for an exciting new initiative, please get in touch! You can see all our news items on our web pages or by following our social media accounts.



**Arun Thittai**, Newsletter Editor-in-Chief

**Erdal Oruklu**, Ultrasonics Editor

**Julia Glaum**, Ferroelectrics Editor

**Srinath Rajagopal**, Web Editor-in-Chief

**Andrew Feeney**, Publicity Chair

**Wei-Chang Li**, Frequency Control Editor

---

## Social Media

We're very keen to build our social media presence both to promote our society and to share news items with our community. Please add our pages to your networks and promote our posts so we can continue to reach as wide an audience as possible.

---

## Whitelist UFFC-S Email

Please remember to whitelist the UFFC-S Administrator email address, [uffc-admin@conferencecatalysts.com](mailto:uffc-admin@conferencecatalysts.com), to ensure that you are receiving the UFFC-S administrative email communication. For more information on how to whitelist an email address, click [here](#).

[Back to Top](#)



[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

---

Want to change how you receive these emails?  
You can update your preferences or unsubscribe from this list.