



IEEE ULTRASONICS, FERROELECTRICS,  
AND FREQUENCY CONTROL SOCIETY  
————— Newsletter —————







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## PRESIDENT'S MESSAGE

Dear UFFC Members,

Welcome to the first issue of the 2020 UFFC newsletter! As we grow year on year, our society is becoming more diverse, not just in race and gender, but in geographical regions, technical areas, and type of employment, and it's important that our community sees the wide range of events, work, and research that our members do.



With COVID-19 changing our daily lives and leaving an uncertain future, we need to form stronger connections. Our major conferences usually mark a time for us to meet each year and network, but that is likely to be severely restricted in 2020 and perhaps beyond - so we're working to improve ways of communicating with you and to help form connections. With Dr. Helen Mulvana

as our new Publicity Chair and Web Editor-in-Chief, and Dr. Lori Bridal as Newsletter Editor-in-Chief, we have strong leadership to improve our messaging through the newsletter, website, and social media.

Most importantly, UFFC is your society. It is here to provide you the tools you need to enhance your knowledge, careers, and research. Whether you are a graduate student or a retiree, in a one-person home office or a multinational corporation research lab, your contribution is valued and we want to hear from you about your events, achievements, reviews, thoughts, and reflections. Please don't hesitate to contact us and get involved - the IEEE is a volunteer society and we cannot do anything without you. Stay safe and well.

**Paul Reynolds**  
*IEEE UFFC-S President*

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## UFFC-S UPDATES

### Questions & Answers with UFFC-S President regarding COVID-19

*Contributed by Paul Reynolds, UFFC-S President*

UFFC-S President, Paul Reynolds, provides some clarity regarding the challenges facing our members worldwide as a result of the coronavirus pandemic. On this [Q&A](#), Paul gives an update on the impact of COVID-19 on planned UFFC events and the society.

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### Newly Elected AdCom Members

*Contributed by Clark T.-C. Nguyen, UFFC-S Senior Past President*

Four new members were elected to AdCom by the UFFC-S membership for two-year terms (January 1, 2020 to December 31, 2021) - Philip Feng, Julia Glaum, Shuji Tanaka, and Kendall Waters. You can learn more about our [newly elected members](#) and see the complete list of the [2020 AdCom members & Associates](#) on our webpages.



Philip Feng

Julia Glaum

Shuji Tanaka

Kendall Waters

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## Distinctions in 2019

*Contributed by Zuleima Davis, UFFC-S Administrative Assistant*

Each UFFC-S year is marked by the presentation of honors and awards to key contributors in the communities of Ultrasound, Ferroelectrics, and Frequency Control. For a complete list of [awards and recognitions for 2019](#) visit our webpages.



## Current Distinguished Lecturers:

Distinguished Lecturers are chosen to serve an 18-month period. They are selected not only because of personal stature and contribution to a field, but also because of broad knowledge of the field. Each lecturer presents between 20 and 40 lectures all over the world. For a list of our current Distinguished Lecturers, visit the [UFFC website](#).

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## UFFC-S Members Elevated as 2020 IEEE Fellows

*Contributed by Nazanin Bassiri-Gharb, UFFC-S Junior Past-President*



Four UFFC-S members were elevated to IEEE Fellow on 1 January 2020. Left to right: Andrew Bell, Stanislav Emelianov, Kurt Gibble and Jacob Jones. You can read more about our [newly elected Fellows](#) and learn more about the

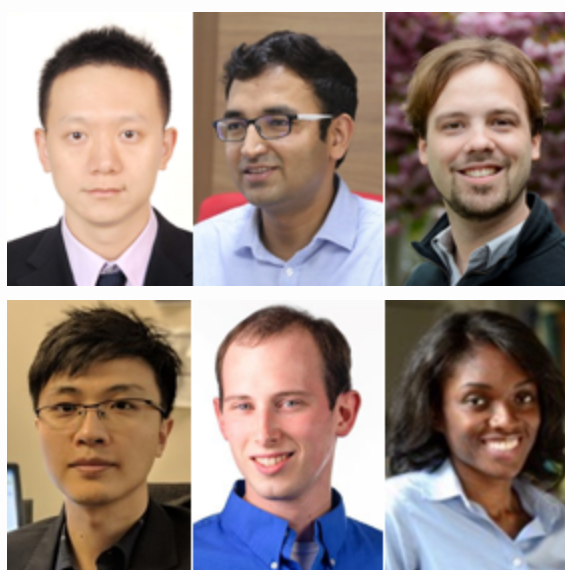
UFFC-S members that have been honored as IEEE Fellows since 1951 in our [directory](#).

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## STAR Ambassadors Named For 2020

*Contributed by Zuleima Davis, UFFC-S Administrative Assistant*

In 2019, the IEEE UFFC-S established a new award to support regional travel for promising early-career leaders, the [IEEE UFFC Star Ambassador Lectureship Award](#). The six [UFFC-S STAR Ambassadors for 2020](#) are (clockwise from top left) Fei Li, Himanshu Shekhar, Joel Harley, Muyinatu Bell, Nick Bottenus, and Yun Jing.



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## New UFFC-S Student Representatives Elected

*Contributed by Lukas Riemer & Derek Chan, 2019-20 UFFC-S Student Representatives*

Our newly elected UFFC-S Student Representatives for 2020-2021 are Madeline Hertel, Kerisha Williams and Kai Yang. You can learn more about our [student representatives](#) and keep up to date on [student events](#) they have planned for the coming year by visiting our website.



Madeleine Hertel  
Ultrasonics



Kerisha Williams  
Ferroelectrics



Kai Yang  
Frequency Control

## Share Your Talents!

Please feel welcome to get more involved in the UFFC organization. Current openings are announced on the [opportunities page](#) on our website. For more information, feel free to contact the UFFC President, the VP of your technical area, or any of the other [AdCom members](#).

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## STANDING COMMITTEE UPDATES

### Ultrasonics Standing Committee Meeting

*Contributed by Erdal Oruklu, Ultrasonics Newsletter Editor*

Originally scheduled to take place in Chicago, Illinois, the Ultrasonics Standing Committee (USSC) Meeting was held on 25 April 2020 via teleconferencing. This marked the first time the USSC meeting was conducted completely online due to the impact of the COVID-19 pandemic. The USSC meeting was chaired by Sandy Cochran, Vice President for Ultrasonics and attended by more than 30 society members including UFFC Society President, Paul Reynolds, and President-Elect, Mark Schafer.

[More info](#)

### Ferroelectrics Standing Committee Meeting

*Contributed by Marco Deluca, Ferroelectrics Newsletter Editor*

The first 2020 meeting of the IEEE-UFFC Society Ferroelectrics Standing Committee (FerroCom) was held in Orlando, FL, on 22 January 2020, aside the Electronic Materials and Applications Conference. The meeting took place at

the Doubletree by Hilton Orlando Hotel at Seaworld, and saw the participation of 16 voting members (four of them remote-connected), one non-voting member, and six guests. The meeting was chaired by Jacob L. Jones, the Vice President for Ferroelectrics in the UFFC Society; also the Secretary (Jon Ihlefeld, remote-connected), the Women in Engineering (WIE) Chair (Michelle Dolgos), the Publications Chair (Alp Sehrioglu) and the Tutorials and Education Chair (Kyle Webber) were present. Paul Reynolds (UFFC Society President) and Nazanin Bassiri-Gharb (UFFC Society Junior Past President) also attended the meeting. Technical support was provided by Chris Dyer and Zully Davis of Conference Catalysts.

[More info](#)

## Frequency Control Standing Committee Meeting

*Contributed by Wei-Chang Li, Frequency Control Newsletter Editor*

Due to the uncertainties in international travel caused by the coronavirus, the 2020 IEEE-UFFC Society Frequency Control Standing Committee (FCSC) Meeting, originally scheduled to be held on 7 March 2020 at the Crawford Hotel in Denver, was held by teleconference on 10 March 2020. The meeting was chaired by Dr. Ekkehard Peik, the Vice President for Frequency Control. Dr. Elizabeth Donley, the former VP for FC, attended the meeting as a Vice-Chair. Paul Reynolds, the UFFC Society President for 2020-2021 also attended the meeting.

[More info](#)

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## PUBLICATIONS

### T-UFFC News: From The Desk Of The EiC

*Contributed by Peter Lewin, T-UFFC Editor-in-Chief*

The impact factor of IEEE Transactions on UFFC continues to thrive with an impact factor of 2.989 and a median submission to ePublication time of 13.3 weeks. Read an [update](#) on recent highlights and upcoming special issues from the Editor-in-Chief, Peter Lewin. Authors in the process of preparing their revised manuscripts for submission can learn about the support available during the [disruption caused by COVID-19](#) on our webpages.

## IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (T-UFFC)

View the full current issue of [IEEE T-UFFC](#)  
For additional information, visit the [IEEE Xplore website](#)  
To submit to T-UFFC, click [here](#)

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## Update on our cosponsored Journal: Transactions on Medical Imaging

*Contributed by Helen Mulvana, IEEE TMI Society Representative*

[Learn more](#) about our cosponsored journal and opportunities to become involved in Transactions in Medical Imaging as an Associate Editor or as a member of the Scientific Advisory Board.

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## COVID-19 related research and technologies free to access in IEEE Xplore®

*Contributed by John Vig, UFFC-S AdCom Emeriti*

IEEE is committed to supporting the global response with direct access to various articles available to assist in the management of today's pandemic. These articles are now [free](#) to access on [IEEE Xplore®](#).

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## EVENTS & CONFERENCES

### Ferroelectrics Special Topics School 2020

*Contributed by Marco Deluca, Ferroelectrics Newsletter Editor*

Due to the global COVID-19 pandemic crisis, the Ferroelectrics School 2020, scheduled to take place in November 2020 in the Lyon metropolitan area (France), will be postponed to November-December 2021 (see here: <https://inl.cnrs.fr/events/ferroschool2021/>). More precise information will be announced in the next months. Consequently, the call for North

American FerroSchool bids for 2021 is canceled and will be announced again in 2021 for organizing the FerroSchool in North America in 2022.

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## IEEE IFCS-ISAF 2020



### Joint Conference of the IEEE International Frequency Control Symposium & IEEE International Symposium on Applications of Ferroelectrics

The safety and well-being of all conference participants is our top priority. We will continue to monitor official travel advisories related to COVID-19 and update the [event website](#) to keep you informed. We encourage you to review the conference's [“Travel and Safety Information” page](#) for tips and travel recommendations.

Despite the COVID-19 pandemic, the IFCS-ISAF 2020 organizing and technical program committees are working to hold the conference as planned from 19-23 July 2020. Even with significant remote participation anticipated, the technical program is still as attractive as in past years. It includes more than a dozen tutorials and four plenary talks, as well as a large number of invited and contributed talks and posters. Click [here](#) for more information.

Accommodations for significant remote participation mean that the meeting will include both synchronous (live) and asynchronous (pre-recorded) content. Final decisions will be made in June, thus we recommend attendees wait to purchase tickets related to travel until more information is released.

If you have any questions or need additional information, please email us for further details: [lleblanc@conferencecatalysts.com](mailto:lleblanc@conferencecatalysts.com).

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# IEEE IUS 2020

International Ultrasonics Symposium  
MGM Grand Hotel - September 7-11, 2020

The IEEE IUS 2020 Conference is still scheduled to be held as planned, beginning 7 September 2020.

The safety and well-being of all conference participants is our priority. We will continue to monitor official travel advisories related to the coronavirus and update the [event website](#) to keep you informed. We encourage you to review the conference's ["Travel and Safety Information" page](#) for tips and travel recommendations.

Online presentation and participation options will be made available for those who may be affected by travel restrictions in place at the time of the conference.

If you have any questions or need additional information, please email us for further details: [borr@conferencecatalysts.com](mailto:borr@conferencecatalysts.com).

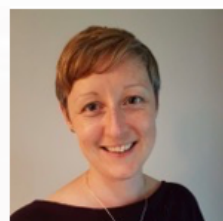
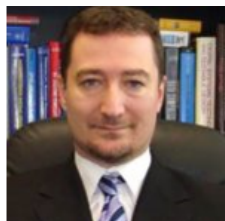
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## KEEP IN TOUCH

### Please Tell Us Your Stories!

Please contact any of the members of the UFFC-S newsletter team if you have news to share with the UFFC-S membership. We will get news onto the website as it occurs and include selected items in the bi-annual highlight newsletters. You can see all our news items on our [webpages](#) or by following our social media accounts.



[Lori Bridal](#), Editor in Chief  
[Erdal Oruklu](#), Ultrasonics Editor  
[Marco Deluca](#), Ferroelectrics Editor

[Wei-Chang Li](#), Frequency Control  
Editor  
[Helen Mulvana](#), Publicity Chair

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## 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.



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