It is with great pleasure that I welcome you to the 2019 IEEE Radio & Wireless Week (RWW 2019)! This, the 13th anniversary of RWW, will be held in the great city of Orlando, Florida, United States. The Rosen Plaza Hotel at 9700 International Drive ("I-Drive," familiarly) will serve as the host hotel for the conference, running 20–23 January 2019. The Rosen Plaza is conveniently located in the heart of I-Drive, which offers hundreds of restaurants within walking distance and a wide selection of entertainment opportunities for our attendees.

January in central Florida promises temperatures of 10/21 °C or 50/71 °F. If you did not pick up your Disney ear hat last year in Anaheim, you will have another opportunity because Disney World is just 12 min away. If you are interested in a more movie-themed destination, Universal Orlando is 10 min from I-Drive. Orlando, the Theme Park Capital of the World, provides a plethora of venues to visit during your stay in the area. The nearest beach is beautiful Cocoa Beach, which is a 1-h and 5-min from I-Drive. While many of you may fly into Orlando International Airport (MCO), Tampa’s airport (TPA) is approximately 1 h away. For more information, please visit internationaldriveorlando.com.

RWW remains a core meeting for our microwave community, spanning three and a half days in January. We partner with the IEEE International Microwave Symposium 2019 to support its Technical Program Review Committee meeting and the Microwave Theory and Techniques Society (MTT-S) Administrative Committee (AdCom) meetings that precede RWW.

The five traditional conferences colocated at the Rosen Plaza include

- the 19th Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems (SiRF2019)
- the 2019 IEEE Topical Conference on RF/Microwave Power Amplifiers (PAWR2019)
- the IEEE Topical Workshop on the Internet of Space (TWIOS2019)

For the first time this year, the Automatic RF Techniques Group (ARFTG) is colocating with RWW for its winter meeting. We look forward to working with ARFTG in creating an event where industry and academia can come together to discuss wireless systems, circuits, and measurement techniques. With the energy moving toward fifth-generation (5G) implementation, reliable over-the-air measurement techniques are extremely important. We trust that many of you will elect to spend much of your time sampling what our various organizing committees have put together.

RWW 2019 at a Glance

The conference will include demonstrations, an exciting student paper contest, and an exhibitor area for our industrial partners. We will continue to bring invited speakers from the MTT-S Distinguished Microwave Lecturer program. Each topical conference invites subject matter experts to present talks relating to current topics of interest within the community. The Workshop Committee is planning full- and half-day workshops that include RF systems, sensors, and technology for space and microwave measurement techniques.

Internet of Things Summit

For the second year, the MTT-S and the RWW Steering Committee are partnering with the multi-Society IEEE Internet of Things (IoT) Initiative to host an IoT/Internet of Space (IoS) summit. The meeting will bring together participants from industry, academia, and the public sector to explore IoT and IoS technology developments for societal benefits.

Social Events

On Monday evening, we will host our traditional reception, where exhibitors wrap up their first day and attendees end the day with talks from PAWR, SiRF, RWS, and/or ARFTG presenters. We plan to host another Young Professionals Panel Workshop, where senior executives from nearby companies will speak on a specific topic relevant to young engineers and scientists in the community.

ARFTG at a Glance

ARFTG is excited to hold its winter 2019 (in lieu of a fall 2018) meeting along with RWW. The ARFTG events include a day-and-a-half-long short course on microwave measurements (led by experts in the field), a day-and-a-half-long main conference (this year’s theme is “Next Generation Microwave and Millimeter-Wave Measurement Techniques and Systems”), a workshop, and numerous users’ forums in the RF/microwave/millimeter-wave measurement field. In addition to the measurement challenges of 5G, many other topics in nonlinear analysis, calibration, millimeter-wave/terahertz measurement effects, modeling, measurement metrology, and so on will be addressed. Coupled with the exciting topic areas discussed throughout RWW, useful technical information, networking, and new ideas will abound.

A Note of Thanks

Thank you to all of the people who have helped make this a great issue of IEEE Microwave Magazine, highlighting the success of RWW. We specifically thank the RWW feature authors who have expanded their articles for publication in the magazine and Spyridon Pavlidis for serving as the special issue editor. Finally, a special thank you goes out to the MTT-S AdCom, RWW Executive and Steering Committees, and each conference’s Technical Program Committee members for the countless hours involved in bringing together this program. Welcome to Orlando!

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