

Introducing the *IEEE Journal of Microwaves* a new open access publication of the IEEE Microwave Theory and Techniques Society, with the mission of: *"Expanding science, technology and connectivity across the globe."* 

*Microwaves* both documents and celebrates the Renaissance that we are now living through in microwave technology and applications. *Microwaves*' unique spectral region spans a wavelength range of more than five decades, from 3 meters to 30 micrometers (MHz-THz). Today, microwave devices are ubiquitous. They are literally the glue that binds our social networks. They crop up in every corner of technology. They cross disciplines as diverse as communications and cooking, and appear in devices and instruments from the millimeter-square silicon chip to the hundred-meter-square tokamak, at power levels from nanowatts to gigawatts. They have been undergoing continuous development for almost one and one half centuries, and now they infiltrate almost every aspect of our lives – unseen, unheard, often unnoticed. No longer!

This journal is both a celebration of the successful integration of microwave technology into our world, and a call to arms. Microwave engineering needs converts. Microwave engineering is not dull. All the discoveries in microwave engineering were not made in the 1950's. On the contrary, we are on a growth trajectory that surpasses anything we could have imagined even ten years ago, and this expansion will continue well into the next decade.

Over the foreseeable future, this journal will help to highlight the science, the technology, the applications, and the accomplishments of researchers in the microwave field. *Microwaves* strives to be a technical journal of the highest possible caliber, showcasing contributed and rigorously peer-reviewed papers that span the wide range of disciplines and applications that the field encompasses. *Microwaves* is also an archival teaching platform which will carry invited review articles and selected topical reports that summarize specific experimental methods, technologies, applications, and manufacturing techniques that our renowned editors feel are essential reading for everyone in our discipline. *Microwaves* will add news and opinions that are helping to shape our community and its influence on society, through contributions from both editors and authors, in order to give perspective to the science and technology advances highlighted in the journal. Finally, *Microwaves* will anchor our field to the past and catapult us into the future, with historic perspectives and biographies, and special interviews with notable scholars in three continuously running series: *Microwave Pioneers, Industry Pioneers, and Breakthroughs in Microwaves*.

The IEEE, the Microwave Theory and Techniques Society, our contributing editors and reviewers, and especially this founding *Editor-in-Chief*, all hope that you will embrace this new model for dissemination of our collective research work and the archiving of our accomplishments. I personally implore you to support this journal through your contributions and your readership.

Journal of Microwaves is a model for, rather than simply a participant in, our changing future.



