



IEEE Journal of Microwaves

"Expanding science, technology and connectivity across the globe."

Greetings from the Editors and Staff of the *IEEE Journal of Microwaves* and thank you for requesting this special print copy of our January 2021 Inaugural Issue.

With the release of this Inaugural Issue of the *IEEE Journal of Microwaves* we christen the first fully-open access technical journal focused exclusively on microwaves and spanning the entire field – from science to invention; from theory to applications; from astronomy, chemistry, biology and physics to engineering and technology; from nanowatt to gigawatt; and from MHz to THz. In this, and future volumes, we will be publishing high quality technical articles covering all aspects of microwave science, technology, and applications in sub-disciplines both within, and occasionally beyond traditional engineering. We plan to broaden our appeal and our readership by including both overview and review articles on a wide variety of subtopics. These will both consolidate current knowledge, making it convenient for expert referrals, and serve as a learning tool for individuals just starting out in the microwave field.



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!

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 as well as special series pieces on interesting people, applications, and science.

We hope that you will find this Inaugural Issue and all our future releases interesting, valuable, worth reading and worth citing. Please continue to follow our progress, download our papers, and become part of our future by submitting your highest quality manuscripts to us.

My warmest regards and best wishes and I hope to hear from you soon,

Peter H. Siegel, *Founding Editor-in-Chief*