

NONRESONATING MODES DO IT BETTER!!!

**IEEE AES/AP/COM/ED/MTT Joint Cleveland Chapter
and
IEEE Cleveland Section**



Date & Time:

December 5, 2019

5:30 to 7:30 PM

Location:

**Beacon Place Lower Level
Conference Room**

**6055 Rockside Woods Blvd. N,
Independence, OH 44147**

Presenters:

Dr. Simone Bastioli

*IEEE Microwave Theory and
Techniques Society DL*

Agenda:

**5:30 – 6:00 Registration,
Refreshments, Networking**

6:00 – 7:00 Presentation

RSVP:

<http://www.clevelandieee.org/events/nonresonating-modes>

Questions:

Contact Max Scardelletti:

Treasurer@clevelandieee.org

CPD: 1 Hour Bring Flyer

The IEEE AES/AP/COM/ED/MTT Cleveland Joint Chapter and IEEE Cleveland Section invite you to attend the presentation "Nonresonating Modes Do It Better!" by Dr. Simone Bastioli on Thursday the 5th of December at Beacon Place in Independence, Ohio from 5:30 to 7:30 PM. Please RSVP by December 4th at the link provided or go to the IEEE Cleveland Section website RSVP and for more information.

Speaker Biography:

Simone Bastioli received his Ph.D. degree in Electronic Engineering from the University of Perugia, Italy. He is the acting Chief Engineer at RS Microwave Company Inc. located in Butler (NJ), United States, where he is responsible for the design of innovative microwave filters, multiplexers, and switched filters banks for military and space applications. He was awarded the IEEE Microwave Prize in 2012, as well as the 2018 IEEE Outstanding Young Engineer Award for his contributions to the microwave filter technology. In 2008 he was also awarded the Best Student Paper Award at the IEEE International Microwave Symposium, and the Young Engineer Prize at the European Microwave Conference. He is an MTT Distinguished Microwave Lecturer, Associate Editor of the IEEE Microwave Magazine, and Chair of the MTT-8 Technical Committee on Filters and Passive Components

Abstract:

The innovative concept of nonresonating modes and how this has been exploited to extend the state-of-art of microwave filter technology will be presented in this talk. After a brief introduction highlighting the importance of microwave filters from a system perspective, the main concepts will be gradually explained by using some waveguide as well as planar SIW examples. The general multimode environment of these structures is described step-by-step with several animations, thus significantly easing the understanding of these concepts for both students and non-filter experts. The presentation is then extended to the most various filter technologies, such as conventional coaxial structures, dielectric resonators based architectures, as well as more original mixed technologies. Several manufacturing examples of actual products developed at RS Microwave (Dr Bastioli's affiliation) are going to be presented along this talk, thus also satisfying the more practical taste of an industry audience.

This is to certify that _____ attended this seminar. Certified by _____
the attendee for auditing purposes. Certificates of attendance and other evidence of CPD activity should be retained by