

**Tuesday October 29th
5 pm**

**105 Link Hall
Syracuse University**



ABOUT DR. KATZ

Dr. Allen Katz is a professor of Electrical/Computer Engineering at The College of New Jersey. He is founder and President of Linearizer Technology, Inc, which now includes Linear Photonics, LLC and Linear Space Technology, LLC. He received his doctorate and baccalaureate degrees in electrical engineering from New Jersey Institute of Technology and a masters in electrical engineering from Rutgers University. He holds 17 patents and has written more than 100 technical publications. He received the IEEE Microwave Magazine Best Paper Award in 2010 and the William Randolph Lovelace II Award for outstanding contributions to space science and technology from the American Astronautical Society in 2002. Dr. Katz is a Fellow of the IEEE and a past MTT Distinguished Microwave Lecturer.

Please email Michael Enders for parking arrangements at: menders@ieee.org

Refreshments will be served.

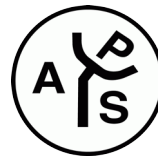


Linearizing High Power Amplifiers with Emphasis on GaN

Allen Katz, Ph.D.

**Professor, ECE The College of New Jersey
President, Linearizer Technology Inc.**

The trades involved in the decision to include linearization in the design of a microwave high power amplifier will be discussed. Emphasis will be placed on the use of predistortion linearization and particularly on its application with amplifiers employing recently available microwave GaN FET power devices.



**The Center for Advanced
Systems and Engineering**

This event is organized by the Syracuse Chapter of the AP/MTT/EMC Societies of the IEEE. Additional support provided by The Center for Advanced Systems and Engineering and the L.C. Smith College of Engineering and Computer Science at Syracuse University.