



RF BOOT CAMP



08:00–16:30 | Monday, 5 June 2017
Hawai'i Convention Center: 317AB

Organizers: Larry Dunleavy, *Modelithics, Inc.*; Karen Hall, *Keysight Technologies*; Sushil Kumar, *GigPeak*

Instructors:

- Joanne Mistler, *Keysight Technologies*
- Nilesh Kamdar, *Keysight Technologies*
- Larry Dunleavy, *Modelithics, Inc.*
- Tom Weller, *University of South Florida*
- Brooks Hanley, *Keysight Technologies*



Abstract:

RF Boot Camp provides new and senior engineers, managers, and sales and marketing professionals a refresher and broad basic understanding of the fundamentals, terminology, and applications of RF and microwave design and measurement. The content draws heavily from Keysight Technologies' "Back to Basics" series of tutorial material as well as selected course content from the University of South Florida's well-known Wireless and Microwave "WAMI" Program course materials. Modern simulation-based design approaches will be demonstrated using the Advanced Design Software from Keysight and advanced simulation models from Modelithics, Inc. New for IMS2017 is the availability of IEEE continuing education credits (CEUs).

Agenda:

Time	Topic
08:00–08:30	Registration
08:30–08:40	Introductions - Speakers and Participants
08:40–09:40	The RF/Microwave Signal Chain Network Characteristics, Analysis, and Measurement
09:40–09:55	Break
09:55–10:30	Fundamentals of RF Simulation
10:30–11:05	Impedance Matching and Device Modeling Basics
11:05–11:45	Signal Generation Modulation and Vector Signal Analysis
11:45–12:30	Lunch
12:30–13:30	Spectral Analysis
13:30–14:15	Microwave Antenna Basics
14:15–15:10	Understanding Basic RF Analog Receiver Design and Analysis
15:10–15:25	Break
15:25–16:05	Introduction to Radar and Radar Measurements
16:05–16:30	Recap and Q&A session