

Dr. Larry Dunleavy, along with four faculty colleagues established University of South Florida's innovative Center for Wireless and Microwave Information Systems (WAMI Center). In 2001, Dr. Dunleavy co-founded Modelithics, Inc. a USF spin-off company to provide a practical commercial outlet for developed modeling solutions and microwave measurement services where he is currently serving as its President.

Dr. Dunleavy received his B.S.E.E. degree from Michigan Technological University in 1982, and his M.S.E.E. and Ph.D. degrees in 1984 and 1988, respectively, from the University of Michigan. He has worked in industry for E-Systems (1982-1983) and Hughes Aircraft Company (1984-1990) and was a Howard Hughes Doctoral Fellow (1984-1988). In 1990 he joined the Electrical Engineering Department at the University of South Florida. He maintains a position as Professor in the Department of Electrical Engineering.

Research Interests

His research interests are related to microwave and millimeter-wave device, circuit and system design, characterization and modeling. In 1997-98, Dr. Dunleavy spent a sabbatical year in the noise metrology laboratory at the National Institute of Standards and Technology (NIST) in Boulder, Colorado. Dr. Dunleavy is a Senior Member of IEEE, is very active in the IEEE MTT Society, and the Automatic RF Techniques Group (ARFTG). He has authored or co-authored over eighty technical articles.

Recent Publications

- H. Patel, T. Weller, R. Connick, and L. Dunleavy, "Non-Linear Simulation of RFIC Amplifier Reference Design Boards," High Frequency Electronics, pp20-26, May 2008.
- Charles Baylis II, Lawrence Dunleavy, "Voltage Transient Measurement and Extraction of Power RF MOSFET Thermal Time Constants," Automatic RF Techniques Group Conference, Phoenix, Az December, 2007.
- Jiang Liu, Lawrence P. Dunleavy, Huseyin Arslan, "Large Signal Behavioral Modeling of Nonlinear Amplifiers Based on Loadpull AM-AM and AM-PM Measurements," IEEE transaction on Microwave Theory and Techniques, pp 3191-3196, Aug. 2006.
- Sathya Padmanabhan, Lawrence Dunleavy, John Daniel, Alberto Rodríguez, and Peter Kirby, "Broadband Space Conservative On-wafer Network Analyzer Calibrations with More Complex Load and Thru Models," IEEE Transactions on Microwave Theory and Tech.,pp 3583-3593, September 2006.
- M. Weatherspoon and L.P. Dunleavy, "Experimental Validation of Generalized Equations for FET Cold Noise Source Design," IEEE Transactions on Microwave Theory and Tech. . Volume 54, Issue 2, Part 1, Feb. 2006 Page(s):608 – 614.

Related links: [WAMI Center](#), [Modelithics](#)