

Dr. Paul Huang Lectures on RFIC Design at Ole Miss

Dr. Chun-Wen Paul Huang, an Ole Miss M.S. (1996) and Ph.D. graduate (1999) in Electrical Engineering, recently presented a series of lectures on RFIC design for the Department of Electrical Engineering and the Center for Applied Electromagnetic Systems Research (CAESR) on June 10 and 11, 2004. These lectures were in support of ongoing academic and research activities related to RF characterization of high power SiC MESFETS and power amplifier design, a cooperative effort with Mississippi State University and SemiSouth of Starkville, MS.



Dr. Huang is a Design Engineer in the Broadband Products Group with ANADIGICS, Inc. of Warren, New Jersey. ANADIGICS is a leading worldwide supplier for the communications market. Founded in 1985, this company pioneered the high volume cost-effective manufacture of high performance gallium arsenide integrated circuits (GaAs ICs). They combine research and development, innovative design and manufacturing expertise to deliver high performance RF ICs (radio frequency integrated circuits) for high frequency and broadband communications markets. Their custom and standard ICs are designed into communications systems around the globe including:

- Cellular and PCS handsets and basestations
- Fiber optic telecom and datacom networks
- Cable TV (CATV) set top boxes, cable modems and infrastructure products.

For additional information see <http://www.anadigics.com/>.

Dr. Huang's Lectures were entitled:

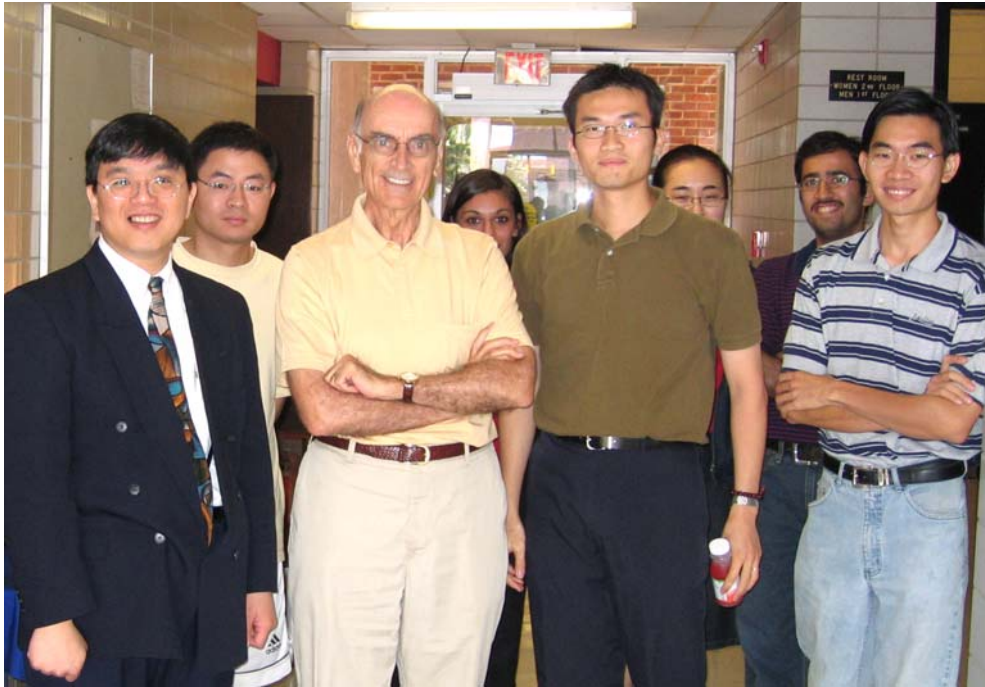
- 1) *The Design of a Wireless LAN Front-End Module (a combination of tutorial and conference papers)***
- 2) *The Integrated Design Flow for RFICs and Multi-Chip Modules***
- 3) *Preparation for the RF engineer for Graduate Students***

This series of lectures were well received and very beneficial for our growing research and academic programs in the area of active RF and microwave circuits. Dr. Huang had several interactive discussions with participating students and faculty as shown below.

Dr. Huang worked with Thomas and Betts, Inc. in Memphis, TN on high performance communication system connectors from 1999 to 2000 before joining ANADIGICS, Inc. Dr. Huang is very active in professional development activities, and he has published and presented over 35 papers, along with presentation of tutorials on RFIC design and service as reviewer for several professional organizations. He and his wife live in Warren, NJ with their son and daughter.



Dr.. Paul Huang discusses RFIC design methodology with graduate students after one of his lectures. (l-r: Dr. Huang, Guiping. Zheng, Wei Huang, Manish Kiranandani, Dr. Ricky Chair, and Venugopal Chennupati).



Dr. Huang takes a break between lectures for refreshments with students and faculty (l-r: Dr Huang, Guiping. Zheng, Dr. Darko Kajfez, Dalia Elsherbeni, Dr. Ricky Chair, Wei Huang, Manish Kiranandani, and Aik-Min Chong).



Drs. Atef Elsherbeni, Darko Kajfez, and Charles Smith talk over some of the finer points of RFIC power amplifier design with Dr. Paul Huang.