



Graduate Seminar (EEL 6936)
Department of Electrical Engineering
http://ee.eng.usf.edu/Grad_Seminar

Prof. Richard Gitlin

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Friday, Nov. 1th, 2013, 12:55-1:55 p.m.
Chemistry Building, Room 111 (CHE 111)

Life as an Engineer

Abstract

We all have doubts and concerns about our careers and how current trends will impact us. However, it is important to recognize, early on, that change is a given in an engineering career. Therefore, this seminar will discuss some of my key observations on “life as an engineer” based on over a 40+ year career in a large corporation (Bell Labs), a startup (Hammerhead Systems), and also academia (Columbia University and USF). Indeed, every day is a new day in our careers—with opportunities unfolding that we might not even have expected. Hopefully, some of my observations will be relevant and may indeed influence your career choices and paths that you choose. It is critical that you take control of your career and the direction it’s moving in and to learn to recognize and take advantage of the opportunities that are presented for you to opportunities to contribute to the goals of your organization, all the while striving to add credentials, assess and grow your skills, build your network, and do your career planning.

Biography



Prof. Gitlin joined USF in 2008 after a distinguished career in the private sector, particularly over 30 years spent at Bell Labs, Lucent Technologies. He is currently a Distinguished University Professor, State of Florida 21st Century Scholar as well as Agere Systems Chair of Electrical Engineering. At Bell Labs, he was a pioneer in the research and development of digital communications, broadband networking, and wireless systems. Among his 49 patents are key ones in these areas, including DSL (digital subscriber line), which allows Internet access over telephone networks. He is a Fellow of the IEEE, a Bell Labs Fellow, and the only USF member of the National Academy of Engineering. He has authored over 100 papers and a graduate level text on Data Communications, and he has won awards for his research including three prize papers and a co-recipient of the 2005 Thomas Alva Edison Patent Award. At USF, his research has focused on the integration of advanced communications technologies and bio-medical systems for the wireless networking of miniature wirelessly-controlled devices to accomplish Minimally Invasive Surgery. The research, in collaboration with other members of the College of Engineering and several USF/TGH/Florida Hospital surgeons, is funded by two current NSF grants. Dr. Gitlin is an acclaimed researcher for his significant research contributions that have been sustained and prolific over several decades.