



SOFTWARE DEFINED RADIO HARDWARE SHORT COURSE

Location: Instituto de Telecomunicações – Universidade de Aveiro

Date: March 15-18, 2011

Instructor: Dr. JEFFREY PAWLAN



JEFFREY PAWLAN (M 1989, SM 1996) has been a consultant as owner of Pawlan Communications for 18 years. Prior to that, he had worked for many companies in California in very diverse areas of analog, RF, and microwave design. Some of his work was for NASA projects. He also taught engineering part-time. Born and raised in the Los Angeles area, he attended UCLA and several other universities. He enjoyed learning many different fields and has 13 years of higher education including a Doctorate degree. Jeffrey took an uncommon interest in microwave engineering at a young age and built his first 23cm dish feed in 1961. By 1962 he was building 10GHz receivers and transmitters and he attended his first MTT Symposium exhibition in Los Angeles. He is currently on the IEEE SCV Section Board.

Agenda	Tuesday	Wednesday	Thursday	Friday
9:30-11:00	Basic Concepts of RF Electronics	RF Filters	System Concepts	RF Front End Design for SDR
11:00-12:30	Phase noise, Jitter, Frequency synthesizers.	Mixers, Frequency Multipliers	Software Defined Radio Technology	RF Front End Design for SDR

Participação **gratuita**, no entanto por **questões logísticas** inscreva-se enviando um e-mail para nbcarvalho@ua.pt. Chama-se a atenção que existem lugares limitados.