

SEMINAR

Room 236C WEB

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Switched Capacitor Circuits

by

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Abstract: Switched Capacitor circuits are sometimes of an enigma. Dr. Steve Howard will go through the fundamentals, design techniques, and applications of switched capacitor converters.

Steve Howard received a B.S.E.E degree from the University of Kentucky in 1980 with an emphasis on electro-optics and device physics. Steve received a M.S.E.E. degree from the University of Tennessee in 1986 with a Master Thesis summarizing aerodynamic turbulence testing using new electro-optical test methods in super-sonic wind tunnels while working on instrumentation and control systems at Arnold Engineering Development Center in Tullahoma, TN. Steve received a Ph.D. E.E. degree from Lehigh University in 1998 with a dissertation on readout electronics developed for use with infrared focal plane arrays while working on infrared detector arrays and their applications at EG&G Judson in Montgomeryville, PA. Since 1998, Steve has worked on analog IC designs specializing in embedded data converters, regulators, LCD and capacitive and interfaces in ASIC and Microcontroller Business Units at Texas Instruments in Dallas, Texas.