

Dr. Clyde A. Lettsome, Ph.D., P.E., M.E.M.

Website: <http://www.clydelettsome.com>

Objective: To obtain contract, consulting, and research opportunities in the hardware, software, firmware, and management aspects of Electrical and Computer Engineering, especially in the area of digital communications.

Education: **Georgia Institute of Technology (Georgia Tech.)**, Atlanta, GA
& Licenses: Ph.D. in Electrical and Computer Engineering Technical Interest Area 2: Communications
Florida Institute of Technology, Melbourne, FL
B.S. in Electrical and Computer Engineering
Professional Engineer (P.E.) – Licensed in Florida (No. 58671)

Languages C/C++, Matlab

Relevant Employment Experience: **Lecturer, Researcher, and Consultant** – C.A. Lettsome Services LLC
Develop and conduct preparatory and continuing education classes as well as perform research and consulting in the area of Electrical Engineering and Engineering Management. *Jan. 2011 – Present*

President/Lead Hardware and Research Engineer - Calabrix Corporation
Configure, secure, and test private branch exchanges (PBX) telecommunication network, web servers, mail servers, FTP servers, and databases. Design web pages, and web based/web portion of iPhone Apps. *Jun. 2005 – November 2010*

Electrical Engineer (Technical skill level 2) – Rockwell Collins
Design, test, and verify hardware and firmware designs especially digital and DSP designs used in avionic communication radios, navigation & landing units, and other systems for military and commercial avionics. *July 1999 – Aug. 2001*

Associate Electrical Engineer (Technical skill level 1) – Computer Sciences Raytheon
Assist in performing engineering assignments related to the research, design, development, and modification of telemetry communication systems and subsystems. *May 1998-June 1999*

Projects: **Calabrix Corporation**, Atlanta, Georgia

- Designed, installed, and secured the company's wire and wireless network.
- Configured, secured, and installed customers' Asterisk PBX Servers which helped customers to reduce communication cost and eliminate the need for additional employee for growing businesses.

Rockwell Collins, Melbourne, Florida

- Designed of an FPGA to perform data processing and phase detection for communications avionics radio.
- Ported code for Mode-2 receive DSP firmware from VHF communication Radio (Analog Devices Signal Processor) to a VHF-Data Link (TI Signal Processor).
- Lead a small team, designed, and integrated a Marker Beacon receiver for a new series of Global Navigation and Landing Units (GNLU). Design included choosing parts to allow the Marker Beacon to continue functioning in the unit if an aircraft is hit by lightning or if high intensity radio frequency (HIRF) is present.

Computer Sciences Raytheon, Patrick Air Force Base, Florida

- Maintained and tested a telemetry communication system console used by the 45th Space Wing of the United States Air Force for rocket launches at Cape Canaveral Air Station.
- Assisted in the repaired of a telemetry communication system, at the Antigua Air Station in Antigua, West Indies, after it was damaged by hurricane Georges in October 1998.
- Wrote test procedures for telemetry communication systems that were used by the 45th Space Wing of the United States Air Force.