



The Ohio State University ElectroScience Laboratory



The ElectroScience Laboratory (ESL) has influenced radio research like no other institution in the world. Since the 1940s, ESL has consistently maintained a national and international preeminence in electromagnetics (EM). Our faculty and researchers are among the most respected names in EM research and education.

ESL faculty, researchers, and students are leading cutting-edge research in antennas, novel RF materials and crystals, RFICs and MEMS, GPS systems, remote sensing, bioelectromagnetics, and more. Our research funding has grown by nearly 70% during the past two years and is now approaching \$7 million per annum. Among our nearly 80 projects, three are Multidisciplinary University Research Initiatives (MURIs), demonstrating our inter-disciplinary strengths and of our faculty and researchers to pursuit of high-risk, high-payoff research. Improvements in our experimental facilities also continue as the existing 20,000ft² ESL building undergoes renovation and plans for the construction of the new building are finalized.

As of 2004, 868 graduates (311 Ph.D.s and 557 M.S. Degrees) have gone on from ElectroScience Laboratory to successful careers. Many are well-known authors and have established successful laboratories at their own institutions. Others have started new companies, led major innovations, and contributed to the success of U.S. industry. We are proud of our alumni and pleased to report that a major portion of the funding for our new building campaign comes from ESL alumni.

I hope you will enjoy the descriptions of our research and education programs provided here. We are very excited about our current progress and looking forward to continued future success for ESL!

Roy & Lois Chope Chair Professor
Director, ElectroScience Laboratory

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