

Raymond J. Juzaitis, PhD
Biographical Sketch

Dr. Raymond J. Juzaitis is currently Department Head and Professor of Nuclear Engineering at Texas A&M University, providing academic and administrative leadership to the largest Nuclear Engineering Department in the United States. The Department has 350 students: 250 undergraduates and 100 graduate students. Twenty-four faculty include 19 tenure/tenure-track faculty members. In addition to traditional technical disciplines covering nuclear science and technology relevant to nuclear power generation and radiological/health physics, the Department has developed expertise in nuclear materials, nuclear fuel cycle, and nuclear non-proliferation/counterterrorism. Previous to Texas A&M, Juzaitis accrued twenty-eight years of experience in the management and execution of National Security R&D programs at the Department of Energy National Laboratories. Early career focus in nuclear computational physics paved the way for a broad-based technical career that included nuclear weapons design, development, testing, and evaluation. Career assignments included two changes of station in senior advisory positions in the U.S. government: at the Pentagon (DoD), as well as at Defense Programs in DOE/NNSA. Last sixteen years devoted to technical/line and program management with increasing levels of responsibility and covering the full breadth of nuclear weapon program activities. In the mid- to late-1990's, as X-Division Leader at Los Alamos, Juzaitis led the transition in technical culture of nuclear weapon design from a nuclear testing-based paradigm to a simulation-based paradigm (Science-Based Stockpile Stewardship). Senior management experience (Associate Director) at two nuclear weapons laboratories: Los Alamos National Laboratory (LANL) and Lawrence Livermore National Laboratory (LLNL). During the last several years, programmatic focus shifted to Nuclear Non-Proliferation, Intelligence and Counter-Terrorism/Homeland Security programs. Educational background includes B.S.E. in Chemical Engineering (Princeton University), and M.E. and PhD in Nuclear Engineering (University of Virginia).