



Biographical Sketch—George Coutrakon

George Coutrakon received his doctoral degree in high-energy physics from the State University of New York at Stony Brook in 1983 and worked in the Physics Department at Fermilab until 1987. He began a career in medical physics when Loma Linda University Medical Center (LLUMC) contracted Fermilab to build the first medical accelerator designed exclusively for proton therapy. Dr. Coutrakon worked with the medical physics team to build and commission the first beam-delivery system for eye treatments in 1990. Since that time, he has been in charge of the accelerator operations group at LLUMC and conducts research in proton dosimetry, scanning proton pencil beams for high-precision radiation therapy, and low-dose-rate experiments for NASA funded radiation biology. He has taught graduate courses in proton therapy accelerators and beam optics at the US Particle Accelerator School as well as radiation physics classes at LLUMC for physicians and radiation technology students. Dr. Coutrakon is a member of the American Association of Physicists in Medicine. He has consulted for several new proton facilities, the International Committee on Radiation Units (ICRU), and the National Institutes of Health. Dr. Coutrakon has a professor appointment in the LLUMC School of Medicine.