

IDAHO STATE UNIVERSITY

George Imel

Department of Nuclear Engineering — Professor and Chair

Dr. George Imel has a very diverse nuclear engineering and applied physics background, both experimental and analytical. He has direct experience at 14 experimental nuclear reactors at national laboratories in the U.S., France and Italy. His has experience in all phases of experiments from planning, execution, through completion of the analyses.

Imel spent 11 years at the Cadarache Center in France, as a senior foreign collaborator, serving as an expert in reactor physics techniques. He served as mentor to Ph.D. candidates at Cadarache and as a member of five Ph.D. juries in France, Spain and Switzerland. He led the experimental program of the multinational Triga Accelerator (TRADE) project.

Imel was the section head of a group involved in research in reactor physics, experiments and computer simulations at Argonne National Laboratory. He served on the director's safety review committee at ANL for over 10 years, reviewing all major nuclear projects and experiments.

He has publications in plasma physics, ionospheric physics, materials science, fusion engineering, neutron radiography, neutron measurements and system modeling. He has teaching experience in graduate schools (Penn State, ISU, University of Idaho), and as a thesis advisor for M.S. and Ph.D. students. Imel has been a major contributor to safety analysis reports and technical specifications for nuclear facilities.

Imel's research interests include sodium fast reactor development, uncertainty propagation in reactor experiments and development of new techniques in support of advanced nuclear systems.

Education

Ph.D., Nuclear Engineering, Pennsylvania State University

Master of Science, Nuclear Engineering, Pennsylvania State University
Bachelor of Science, Electrical Engineering, Lafayette College

INL Joint Appointment Sponsor: Paul Roege