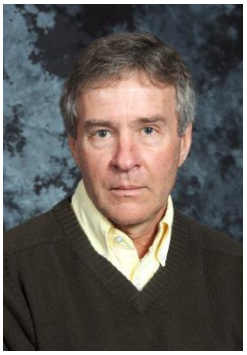
Biographical Sketch – David W. Nigg, Idaho National Laboratory



Dr. David W. Nigg is a Laboratory Fellow at the Idaho National Laboratory (INL), a component of the US Department of Energy National Laboratory System. With a career at the INL and predecessor organizations spanning approximately 40 years including his early student appointments, Dave has extensive experience in several key areas of computational and experimental reactor and radiation physics, research reactor applications, medical applications of nuclear and radiological sciences, radiobiology and biophysics, and technical management. He has served in various mid-level technical line management positions and, simultaneously, in high-level scientific team leadership and independent technical contributor roles during most of his career at the INL. His efforts in all of these areas have resulted in a variety of scientific research and technology development and deployment successes that have had national and international visibility and positive impact.

Dave holds a Bachelor's degree from the University of Kansas in Engineering Physics, a Master's Degree from Texas A&M University in Nuclear Engineering and a Doctorate in Engineering Sciences from the University of Kansas. He is a Registered Professional Engineer by Examination (State of Idaho #5122), he is the author or co-author of approximately 180 refereed scientific publications of various types and he holds three US Patents and one international patent. Furthermore he has co-supervised 15 graduate student theses in connection with various adjunct faculty appointments at Idaho State University, Georgia Institute of Technology, Massachusetts Institute of Technology, The Ohio State University, The University of Idaho, The University of Illinois, The University of Buenos Aires (Argentina), The University of Helsinki (Finland), The University of Pavia (Italy), and the University of Missouri Institute for Nano and Molecular Medicine. Finally, it is notable that he was elected as a Fellow of the American Nuclear Society in 2014 and he was the recipient of the 2006 Hatanaka Memorial Award, the highest honor bestowed by the International Society for Neutron Capture Therapy (ISNCT) in recognition of sustained excellence and leadership in NCT research and development.