

Gary Marlin SANDQUIST

TITLES & POSITIONS Professor of Mechanical Engineering, University of Utah (1965-2007), Emeritus (2007 – present)
Distinguished Visiting Professor Department of Civil & Mechanical Engineering, US Military Academy, West Point, NY
Distinguished Visiting Professor, Nuclear Engineering, Department of Physics, US Military Academy, West Point, NY
Former Director of Nuclear Engineering Program, University of Utah
Adjunct Professor of Civil and Environmental Engineering, University of Utah
Professor, Affiliate Faculty, Idaho State University, Pocatello, Idaho
Registered Professional Engineer: Mechanical & Structural: UT, Mechanical: MN, NY, Nuclear: CA (PE)
NRC Licensed Senior Reactor Operator (U.S. NRC)
American Board Certified Health Physicist (AB-CHP)
Diplomate: Environmental Engineer (DEE), American Academy of Environmental Engineers (ACEE)
Nuclear Science Expert for United Nations, International Atomic Energy Agency (UN-IAEA)
Chief Scientist & Quality Assurance Officer – URS Washington Safety Management Solutions (URS/WSMS)
Manager and Owner, Applied Science Professionals, LLC (ASP/LLC)
Member, ANS, ASME, HPS, ASQ, ASEE, Pi Tau Sigma, Tau Beta Pi, Sigma Xi, Alpha Nu Sigma
Technical Speaker, Nuclear Energy Institute (NEI), Senior Member, American Society for Quality (ASQ)
Commander, U.S. Naval Reserve - Retired (CDR, O-5, USNR)
Fellow of the American Nuclear Society (ANS) and American Society of Mechanical Engineering (ASME)
Certified Quality Auditor (ASQ), Registrar Accreditation Board Certified Provisional Auditor (RAB)

EDUCATION *B.Sc. Mechanical Engineering, University of Utah, 1960*
M.S. Engineering Science, University of California Berkeley, 1961.
Ph.D. Mechanical and Nuclear Engineering, Minor - Mathematics, University of Utah, 1964
MBA Executive-Masters Degree in Business Administration, University of Utah, 1995
Postdoctoral Fellow Nuclear Engineering, Massachusetts Institute of Technology, 1969 - 1970
Sabbaticals: Ben Gurion University-Negev, Nuclear Engineering Department, Beer Sheva, Israel, Jan-May 1986

TECHNICAL EXPERIENCE Technical consultant to industry, universities, state and federal government agencies, technical organizations
Extensive experience with US and IAEA activities in nonproliferation and nuclear material handling.
Short mission expert IAEA in reactor physics.
Naval Intelligence Officer (designator 1635) with SBI-SCI Top Secret

RESEARCH Nuclear science & engineering, Safeguards and nonproliferation issues (IAEA), Risk assessment, Reactor physics, Health physics, Nuclear research reactors, Criticality evaluations, Applied math & physics, Environmental radiation monitoring. Supervised 21 PhD students and 65 MS students

CONTRACTS & GRANTS Principal Investigator for 51 major R&D Contracts and Grants with total worth over \$4.5 million
Funding sources include DOE, DOD, EPA, EPRI, NIH, NRC, NSF, Industry, State & Local Government

PUBLICATIONS 708 publications/presentations in nuclear science, engineering, energy, health physics, environmental sciences including
6 Books and Book chapters
196 refereed Journal, Proceedings, Conference & Transactions Articles.
152 Technical Papers orally presented at Technical, Scientific, and Government Meetings.
354 Technical Reports for Academic, Industrial and Government Agencies
Developed 17 major Technical Computer Codes used in industry and by government agencies
Participated in 199 Technical Meetings, Conferences, Workshops, Seminars, Government Hearings

LISTINGS Listed in 45 directories, citations, editorial boards, and honors including:
Who's Who in America, American Men & Women of Science, Who's Who in Atoms,
Who's Who in Engineering, Who's Who in Science and Engineering, Who's Who in the West,
International Who's Who in Education, Who's Who in Nuclear Energy, Who's Who in the World
Who's Publishing in Science, Who's Who in American Education, Who's Who in the United States
International Directory of Nuclear Criticality Safety, Who's Who Registry of Business Leaders
Edit-Int'l Journal Nuclear Energy, Science, Tech. Glen Murphy Award-Nuclear Engineering Education (ASEE-1984)

CLEARANCES Inactive Security Clearances: Top Secret Clearance, DOD-SBI- 28 Nov 1990, Ref: DON CAF WASH DC/170842A Dec 90
Q Clearance, DOE/NV No. VG 60188, Nevada Operations Office, Box 98518, Las Vegas, NV