
**CURRICULUM VITAE
Of
MARK J. RUDIN, PH.D.**

OFFICE

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HOME

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EDUCATIONAL EXPERIENCE

**1985 to 1989 Doctor of Philosophy, Medicinal Chemistry
Concentration in Health Physics
Purdue University, West Lafayette, Indiana**

**1983 to 1985 Master of Science, Health Physics
Purdue University, West Lafayette, Indiana**

**1980 to 1983 Bachelor of General Health Science Degree
Purdue University, West Lafayette, Indiana**

EMPLOYMENT EXPERIENCE

Jan 2007 to Present Vice President for Research and Economic Development, Division of Research and Economic Development, Boise State University. Full professor tenured in the Departments of Geosciences, Chemistry and Biochemistry, and Environmental Health

Serve as a key member of the President's leadership team in developing long-term strategies and policies for the university, especially in the areas of educational, research, innovation, and economic development initiatives. Lead and manage a staff of >50 in the Offices of Sponsored Programs, Research Compliance, Economic Development, and Technology Transfer. The directors of five interdisciplinary research centers and institutes also report directly to the division.

Selected Noteworthy Accomplishments and Activities

- Total reported National Science Foundation research expenditures have increased by 187% between FY07 and FY15. Major federal funding sources include the U.S. Department of Energy, U.S.

Department of Education, U.S. Department of Defense, U.S. Department of the Interior, National Science Foundation (NSF), and National Institutes of Health (NIH).

- Serve as the university's point-of-contact for state and local government and economic development agencies (e.g., Idaho Department of Commerce, Boise Metro Chamber of Commerce, Boise Valley Economic Partnership, Meridian Downtown Economic Development Partnership, Meridian Downtown Business Association, and SustainBlaine) and companies from the private sector interested in potential collaborative research and educational opportunities with Boise State faculty, staff, and students.
- Led effort to be one of 16 public institutions (inaugural class) designated as an Innovation & Economic Prosperity University by the Association of Public and Land-Grant Universities (APLU).
- Led effort to have Boise State designated as a Carnegie Community Engagement University (2006 and renewed in 2015).
- Serve as a point-of-contact for a robust federal relations program and work directly with members of the Idaho delegation, their staffs, and the various federal and state agencies to develop and advance targeted education and research initiatives.
- Appointed by the Governor to serve on the Idaho Global Entrepreneurial Mission (IGEM) Council. The mission of the IGEM Council is to provide oversight of the state-wide IGEM Program that was created to establish new enterprises and high-paying knowledge-based economy jobs by increasing strategic areas of research and development through targeted partnerships among industry, higher education and government that leverage new and existing resources.
- Appointed by the Governor to serve on the Leadership in Nuclear Energy (LINE) Commission. The Commission is responsible for making recommendations to the Governor on policies and actions of the State of Idaho to support and enhance the long-term viability and mission relevance of the Idaho National Laboratory.
- Recently appointed by the Secretary of Energy to serve on the Nuclear Energy Advisory Committee (NEAC) in August, 2015. The Committee is responsible for providing expert advice to the U.S. Department of Energy on nuclear theft and terrorism, nuclear proliferation and measure to control it, the future of nuclear energy

and its fuel cycle, and policies to promote innovation in energy technologies.

- Serve as a member of the Idaho Technology Council (ITC). The mission of the ITC is to become the premier member-driven technology association dedicated to fostering the growth of technology companies in the state of Idaho, primarily in the areas of information technology, agriscience, and energy.
- Recently established a center called “Casita Nepantla” (little house/in the middle of it all) to serve the Latino community of southwest Idaho. The center focuses on recruitment and retention issues, creating a sense of community, and advancing research opportunities for these students at Boise State.
- Chair of the Idaho Higher Education Research Council (HERC). HERC is responsible for implementing and administering the State Board of Education’s revised Higher Education Research policy and grant programs, which are designed to stimulate competitive research at Idaho’s institutions. HERC has worked diligently to attract projects that serve to strengthen the research capabilities and contribute to the economic development of the state of Idaho.
- Serve as a member of the Center for Advanced Energy Studies (CAES) Steering Committee. CAES is a partnership between Boise State University, Idaho National Laboratory, Idaho State University, University of Idaho, and the University of Wyoming established to advance research and education opportunities in the area of nuclear energy and homeland security.
- Successfully launched the Venture College in Spring 2013, a skills-based program that will prepare students across all disciplines to launch their own enterprises of economic and social value. The intended short-term outcomes of this initiative are to: 1) encourage the formation of Idaho-based businesses by students and graduates, 2) prepare students to compete for funding resources post-graduation, 3) develop entrepreneurial and employable skills, and 4) engage the local business community in secondary entrepreneurial ventures.
- Negotiated a formal educational and research agreement between Gorongosa National Park in Mozambique, Africa, and Boise State University in September 2015. The agreement creates the foundation for student exchanges between universities in Mozambique and Boise State, and ensures the necessary infrastructure is in place to allow our faculty and students to

conduct research in the park.

- Established an Office of Technology Transfer in FY09 to commercialize intellectual property developed at the university. All technology transfer metrics increased from FY09 to FY14, including the total number of invention disclosures, number of patents filed, and number of licenses executed.
- Co-founded the state-wide Idaho Technology Transfer Consortium to better facilitate coordination and cooperation among the three Idaho universities in the area of intellectual property management and commercialization.
- Established an Angel-in-Residence Program through which local and regional business leaders and entrepreneurs provide hands-on mentoring and coaching to faculty interested in creating a start-up company.
- Established an Office of Research Compliance in FY07, which is responsible for administering a number of compliance areas, including the protection of human subjects, animal safety, biosafety, and conflict of interest. I serve as Institutional Official for these compliance areas.
- Developed Boise State's first research magazine, created an enhanced research website, and expanded media coverage of research activities at the university.

**July 2003
to Dec 2006**

Interim Vice President for Research and Graduate Dean, Division of Research and Graduate Studies, University of Nevada, Las Vegas. Associate Professor and Tenured in the Department of Health Physics.

Senior Associate Vice President for Research Services, Division of Research and Graduate Studies, University of Nevada, Las Vegas.

Associate Vice President for Research Services, Office of Research and Graduate Studies, University of Nevada, Las Vegas.

Served as a key member of the President's leadership team in developing long-term strategies and policies for the university, especially in the areas of graduate education, research, and economic development. Lead and managed staff in the Offices of Sponsored Programs, Research Compliance, Technology Transfer, and the Graduate College.

Selected Noteworthy Accomplishments and Activities

- Total research funding increased by 123% between FY03 and FY06. Major federal funding sources include the U.S. Department of Energy, U.S. Department of Education, U.S. Department of Defense, U.S. Department of the Interior, National Science Foundation, and National Institutes of Health.
- Served as the university's point-of-contact for state and local government agencies, and companies from the private sector inquiring about potential collaborative research opportunities with UNLV faculty and staff. This effort netted the university more than \$5.9 million in state funding and more than \$1.6 million in private sector funds in FY 2005.
- Administered over \$2.5 million of internal research grant awards (seed money) to faculty and students at the university through the following programs: New Investigator Awards (NIA); Stimulation, Implementation, Transition, and Enhancement (SITE) Awards; Undergraduate Research Awards (URA); and the Applied Research Initiative (ARI).
- Developed a new research communication plan, which included the creation of an Office of Research Communication. This office continues to promote the nature and scope of faculty and student scholarship/creative activities to the university's constituencies as well as capturing the entrepreneurial spirit of UNLV. Communication initiatives included the creation of a new research magazine, an enhanced research website, expanded media coverage, and Annual Research and Economic Development Reports.
- Provided leadership in enhancing the activities of the Office of Technology Transfer, resulting in improved policies and procedures, enhanced intellectual property management and patent development, and increased faculty participation.
- Provided oversight and programming of a new \$100 million Science and Engineering Building specifically dedicated to research and economic development (opened in Spring 2008).

Aug. 1993 to June 2003 **Department Chair**, Department of Health Physics, College of Health Sciences, University of Nevada, Las Vegas.

The department houses a doctorate in radiochemistry (jointly administered with the Department of Chemistry), a master's degree program in health physics, baccalaureate degree programs in health physics, nuclear medicine, and comprehensive medical imaging, and a certificate program in radiography.

Selected Noteworthy Accomplishments and Activities

- Utilized support from community-based advisory boards to completely revise the B.S. in Health Physics Program in 1993 and B.S. in Nuclear Medicine Program in 1996, and to establish a B.S. in Comprehensive Medical Imaging and M.S. in Health Physics programs in 1996.
- Coordinated the efforts of faculty from the Departments of Health Physics and Chemistry, staff from the Harry Reid Center for Environmental Studies, and the newly established national radiochemistry advisory board to develop the recently approved Ph.D. in Radiochemistry Program.
- Provided oversight on successful health physics (M.S.) and nuclear medicine accreditation visits within the department.
- Taught graduate and undergraduate courses in the areas of physics of ionizing radiation, radiation detection, and radiation biology.
- Served as a committee member on over 60 dissertation, thesis, professional paper/project student committees.
- Provided direct laboratory research supervision to six undergraduate students.
- Managed a radioanalytical service laboratory capable of quantifying the levels of radionuclides in a variety of environmental and biological matrices. The laboratory was set up as a cost center which allowed the department to charge fees for these services.

June 1992 to June 1993 **Technical/Administrative Assistant**, U.S. Department of Energy-Headquarters (DOE-HQ), Office of Environmental Restoration and Waste Management (EM), Office of Research and Development (EM-54).

Provided technical and administrative assistance to the Director of EM's Office of Research and Development. Responsibilities included office management and evaluation of technologies to characterize, treat, and dispose of Office of Waste Management (EM-30) mixed waste streams.

Aug. 1989 to Aug. 1993 **Senior Program Specialist/Project Engineer**, EG&G Idaho, Inc., Buried Waste Integrated Demonstration (BWID) Systems Analysis Project, Idaho National Engineering Laboratory (INEL), Idaho Falls, Idaho.

Identified and evaluated systems for the cradle-to-grave remediation of Transuranic-Contaminated Waste Pits and Trenches located at the INEL. The evaluation of remediation systems was based upon the Comprehensive Environmental Response, Compensation and Liability Act of 1980 balancing criteria. Technology gaps identified by the project directed DOE resources for research and development and demonstration of technologies for remediating DOE buried wastes.

Aug. 1990 to May 1992 **Instructor**, Department of Health Physics, Idaho State University; Pocatello, Idaho.

Taught and developed the curriculum for two courses – environmental health physics and radiation instrumentation. Guest lecturer in Fall/Spring 1992.

REFEREED PUBLICATIONS

Steinberg, S., Nemr, L., and Rudin, M. Characterization of the lignin signature in Lake Mead, NV, sediment: comparison of on-line flash chemopyrolysis (600°C) and off-line chemolysis (250°C). *Environ Geochem Health*. 2008.

Steinberg, S., Kimble, G., Schmett, G., Emerson, D., Turner, M., and Rudin, M. Abiotic reaction of iodate with sphagnum peat and other natural organic matter. *Journal of Radioanalytical and Nuclear Chemistry*. 277(1): 186-191. 2008.

Steinberg, S., Schmett, G., Kimble, Emerson, D., Turner, M., and Rudin, M. Immobilization of fission iodine by reaction with insoluble natural organic matter. *Journal of Radioanalytical and Nuclear Chemistry*. 277(1): 175-183. 2008.

Shanahan, J., Eckerman, K., Arndt, A., Gold, C., Patton, P., Rudin, M., Brey, R., Gesell, T., Rusetski, V., and Pagava, S. Calculation of dose coefficients for radionuclides produced in a spallation neutron source utilizing NUBASE and the evaluated nuclear structure data files databases. *Health Physics*. 90(1): 56-65. 2005.

Arndt, A., Shanahan, J., Gold, C., Brey, R., Gesell, T., Patton, P., Rudin, M., Eckerman, K., Rusetski, V., and Pagava, S. Quality assurance methods and procedures used to verify consistency in calculating dose coefficients. *Health Physics*. 90(1): 74-80. 2005.

Rudin, M., Johnson, W., and Steinberg, S. Sorption/desorption of cesium in sulfate-resistant Portland cements. *Journal of Radioanalytical and Nuclear Chemistry*. 264(2):501-504. 2005.

Twichell, D., Cross, V.A., Hanson, A., Buck, B., Zybala, J., and Rudin, M. Seismic architecture and lithofacies of turbidites in Lake Mead. *Journal of Sedimentary Research*. 75(1):134-148. 2005.

Turner, M., Rudin, M., Cizdziel, and Hodge, V. Excess plutonium in soil near the Nevada

Test Site, U.S.A. *Environmental Pollution*. 125:193-203. 2002.

Rudin, M.J., Richardson, W.M., Dumont, P.G., and Johnson, W.H. In situ measurements of transuranics using a calcium fluoride scintillation detection system. *Journal of Radioanalytical and Nuclear Chemistry*. 248(2):445-448. 2001.

Johnson, W.H. and Rudin, M.J. Distribution of radionuclides in Gypsum Wash sediments. *Toxicological and Environmental Chemistry*. 79:73-80. 2001.

Johnson, E.A., Rudin, M.J., Steinberg, S.M., and Johnson, W.H. The sorption of selenite on various cement formulations. *Waste Management*. 20(7):509-516. 2000.

Rudin, M.J. and Johnson, W.H. The influence of flood source placement on radiation exposure during quality assurance testing. *Journal of Nuclear Medicine Technology*. 28:88-93. 2000.

Pitanzo, B.J., Amy, P.S., and Rudin, M.J. Effect of gamma radiation on native endolithic microorganisms from a radioactive waste disposal site. *Radiation Research*. 152:71-75. 1999.

Pitanzo, B.J., Amy, P.S., and Rudin, M.J. Resuscitation of microbes after gamma irradiation. *Radiation Research*. 152:64-70. 1999.

Rudin, M.J., Johnson, W.H., and Meyers, A.M. Radionuclide content of Las Vegas Wash sediments. *Chemosphere*. 35(12): 3039-3046. 1997.

Rudin, M.J. (1996) Leaching of selenium from cement-based matrices. *Waste Management*. 16(4): 305-311. 1996.

Rudin, M.J. and Koch, P. Development of a cost-effective collimator. *Radiation Protection Management*. 12(4): 45-49. 1995.

Rudin, M.J. and O'Brien, M.C. Technology logic diagrams. *Journal of Nuclear Materials Management*. 12(2): 26-30. 1995.

Rudin, M.J., O'Brien, M.C., Richardson, J.G., Morrison, J.L. Morrison, and Morneau, R.A. A performance-based methodology for rating remediation systems. *Journal of Nuclear Materials Management*. 12(1): 31-35. 1993.

TECHNICAL REPORTS

Foster, D.C., Capone, M.K., Parolski, K.F., Twichell, D.C., and Rudin, M.J. Surficial geology and analysis of post-impoundment sediment of Lake Mojave; interpretation of sidescan sonar and seismic-reflection data. U.S. Geological Survey Open File Report 2004-1256. September 2004.

Twichell, D.C., Cross, V.A., Rudin, M.J., Parolski, K.F., and Rendigs, R.R. Surficial

geology and distribution of postimpoundment sediment in Las Vegas Bay, Lake Mead. U.S. Geological Survey Open File Report 01-70. March 2001.

Twichell, D.C., Cross, V.A., Rudin, M.J., and Parolski, K.F. Surficial geology and distribution of post-impoundment sediment of the western part of Lake Mead based on a sidescan sonar and high-resolution seismic-reflection survey. U.S. Geological Survey Open File Report 99-581. December 1999.

BOOK CHAPTERS

Implementing a Comprehensive Research Compliance Program: A Handbook for Research Officers. Dade, A., Olafson, L., and DiBella, S. eds. Chapter 18: Creating a Culture of Compliance: The Role of the Vice President for Research. pp. 497-510. Information Age Publishing, Charlotte, NC. 2015.

GRANT FUNDING RECEIVED

Rudin, M.J., Research Infrastructure Upgrade, National Science Foundation, \$1,870,343, 2010.

Rudin, M.J., Construction of BSU BRV, National Institutes of Health, \$3,978,104, 2009.

Rudin, M.J., Idaho Research and Economic Development and Entrepreneurial Initiative, Small Business Administration, \$600,000, 2009-2011.

Rudin, M.J., Environmental Sciences and Economic Building, U.S. Department of Housing and Urban Development, \$990,000, 2007.

Patton, P.W. and Rudin, M.J. Development of dose conversion coefficients for radionuclides produced in spallation neutron sources, UNLV/TRP, \$160,000, 2003.

Johnson, W.H., Buck, B., and Rudin, M.J. Migration properties of depleted uranium from naval ordnance in arid environments, Argonne National Laboratory, \$99,891. 2002.

Rudin, M.J., Buck, B., Hanson, A., and Steinberg, S. Geophysical mapping and sediment coring in Lake Mead, USA, U.S. Geological Survey, \$476,100. 2002.

Rudin, M.J. Geophysical mapping and sediment coring in Lake Mead, USA, U.S. Geological Survey, \$92,000, 2001.

Rudin, M.J., Bowles, C., Kruskall, L., LaPorta, L., and Mercer, J. Acquisition of a DEXA scanner, UNLV Planning Initiative Award, \$30,000, 2001.

Rudin, M.J. Monitor and assess water quality; characterize existing conditions and identify numerical criteria to protect existing water quality in Lake Mead National Recreation Area, National Park Service, \$26,450, 2001.

Patton, P.W. and Rudin, M.J. Development of dose conversion coefficients for radionuclides produced in spallation neutron sources, UNLV/AAA Program, \$160,000, 2001.

Rudin, M.J. Development of a research vessel, UNLV SITE Grant, \$2,500, 2000.

Rudin, M.J. Geophysical surveys and ground truth studies in Las Vegas Bay, \$55,607, U.S. Bureau of Reclamation, 2000.

Rudin, M.J. Mapping of Lake Mead sediments in Las Vegas Bay and Boulder Basin, Southern Nevada Water Authority, \$20,000. 1998.

Rudin, M.J. Reconstructing historical concentrations and temporal trends of hydrophobic synthetic organic compounds in Lake Mead, Nevada, National Park Service, \$25,000, 1998.

Rudin, M.J. Real-time monitoring for plutonium in boreholes at the NTS, U.S. Department of Energy/Nevada Office, \$44,776. 1998.

Rudin, M.J. Cs/Pu ratios in Lake Mead sediment strata, Applied Research Initiative (ARI) Grant, \$13,284. 1998.

Rudin, M.J. Characterization of Lake Mead sediments, University Planning Initiative Award, \$48,499, 1997.

Rudin, M.J. Reconstructing historical concentrations and temporal trends of hydrophobic synthetic organic compounds in Lake Mead, Nevada, Bureau of Reclamation, \$25,000, 1997.

Rudin, M.J. Reconstructing historical concentrations and temporal trends of hydrophobic synthetic organic compounds in Lake Mead, Nevada, U.S. Geological Survey, \$75,000 (match for ARI funds). 1997.

Rudin, M.J. Reconstructing historical concentrations and temporal trends of hydrophobic synthetic organic compounds in Lake Mead, Nevada, Applied Research Initiative (ARI) Grant, \$25,000. 1997.

Johnson, W.H. and Rudin, M.J., Environmental radiation monitoring experiments for radiation detection laboratories, National Science Foundation (NSF), \$31,265 (with \$31,265 match from University), 1996.

Johnson, W.H. and Rudin, M.J., Risk assessment of disposal and recycling options of NORM, Stan A. Huber Consultants, \$1,814, 1995.

Rudin, M.J. Treatability Testing Research, Reynolds Electrical and Engineering

Company, \$25,473, 1995.

Rudin, M.J. Soil contamination studies, U.S. Department of Energy/Nevada Office, \$100,000, 1994.

Rudin, M.J. Development of a master's program in health physics, U.S. Department of Energy, Yucca Mountain Site Characterization Project Office, \$37,500, 1994.

Rudin, M.J. Radiological monitoring, Science Applications International Corporation (SAIC), \$10,000, 1993.

SELECTED PROFESSIONAL PAPERS PRESENTED

Rudin, M., Brey, R., Harris, J. Accreditation of Health Physics Programs in the U.S. 13th International Congress of the International Radiation Protection Society, Glasgow, Scotland, May 13-18, 2012.

Rudin, M. From Vegas to Boise: A theme of collaborative research. 88th Annual Meeting of the Pacific Division of the AAAS in Boise, ID, May 2007.

Twichell, D., Hanson, A., Cross, V.A., and Rudin, M. Sediment accumulations on the bottom of Lake Mead: a 70-year record of depositional processes. Annual Meeting of the Geological Society of America in Denver, CO, November 7-10, 2004.

Rudin, M. The health physics ABET accreditation experience. Presented at the 48th Annual Meeting of the Health Physics Society, San Diego, CA, July 20-24, 2003.

Shanahan, J., Arndt, A., Campbell, C., Brey, R., and Rudin, M. Calculation of dose coefficients for radionuclides produced in spallation neutron sources. 48th Annual Meeting of the Health Physics Society, San Diego, CA, July 20-24, 2003.

Steinberg, S., Rudin, M., Buck, B., Hanson, A., Hodge, V., Howley, R., Twichell, D., and Hickson, T. Investigation of organic matter in Lake Mead sediments using chemopyrolysis GCMS. 13th Annual West Coast Conference on Contaminated Soils, Sediments and Water, March 17-20, 2003, San Diego, CA.

Johnson, W., Brogonia, H., Buck, B., Brock, A., and Rudin, M. Geochemical and physical controls on anthropogenic uranium migration in arid soils. 13th Annual West Coast Conference on Contaminated Soils, Sediments and Water, March 17-20, 2003, San Diego, CA.

Zybala, J., Twichell, D., Buck, B., Howley, R., Hickson, T., Hanson, A., Rudin, M., and Steinberg, S. Sediment coring in Lake Mead reservoir, NV and AZ: implications for deep marine sandstone distributions. AAPG Annual Meeting in Salt Lake City, Utah, in 2003.

Twichell, D., Cross, V., Buck, B., Hanson, A., Hickson, T., Rudin, M., and Zybala, J.

Seismic architecture of turbidites in Lake Mead. AAPG Annual Meeting, Salt Lake City, Utah, in 2003.

Rudin, M., Johnson, J., and Steinberg, S. Sorption/desorption of cesium in sulfate-resistant Portland cements. MARC VI Conference, Kailua-Kona, Hawaii, April 2003.

Turner, R., Rudin, M., and Johnson, W., Sorption/desorption kinetics of cesium in type V Portland cement. Presented at the 47th Annual Meeting of the Health Physics Society, Tampa, Florida, June 16-20, 2002.

Shanahan J., Song, Y., Patton, P., and Rudin, M.J. Development of dose conversion coefficients for radionuclides produced in spallation neutron sources. Presented at the 47th Annual Meeting of the Health Physics Society, Tampa, Florida, June 16-20, 2002.

Twichell, D., Cross, V., Rudin, M. Mapping turbidites in Lake Mead from source to sink. AAPG Annual Meeting, Houston, Texas, March 10-13, 2002.

Shanahan, J., Song, Y., Patton, P., and Rudin, M. Development of Dose Conversion Coefficients for Radionuclides Produced in Spallation Neutron Sources, American Nuclear Society Winter Meeting, Student Mini-Conference, Reno, NV November 10-12, 2001.

Rudin, M.J., Johnson, W.H., Steinberg, S.; Turner, R.; Hodge, V., and Cizdziel, J. Sorption/desorption kinetics of cesium in type V Portland cement. Presented on the 47th Annual Bioassay, Analytical and Environmental Radiochemistry Conference, Las Vegas, NV November 4-8, 2001.

Shanahan J., Song, Y., Patton, P., and Rudin, M.J. Development of dose conversion coefficients for radionuclides produced in spallation neutron sources. Presented on the 47th Annual Bioassay, Analytical and Environmental Radiochemistry Conference, Las Vegas, NV November 4-8, 2001.

Goodner, C.H., Meacham, S., and Rudin, M.J. Case study: influence of diet on physiological symptoms associated with connective tissue disorders. American College of Nutrition, November, 2000.

Rudin, M.J., Richardson, W.M., Dumont, P.G., and Johnson, W.H. In situ measurement of transuranics using a calcium fluoride scintillation detection system. Fifth International Conference on Methods and Applications of Radioanalytical Chemistry - MARC V, Kailua-Kona, HI. April 9-14, 2000.

Georgeson, D.L., Brey, R.R., Gesell, T.F., Spall, R.D., and Rudin, M.J. Comparison of a Mathematical Specific Absorbed fraction Model for a Pregnant Woman at Three-Months Gestation With Experimental Results. 44th Annual Meeting of the Health Physics Society, Philadelphia, PA. June 27 - July 1, 1999.

Johnson, W.H. and Rudin, M.J. Using Fallout and NORM to Teach Undergraduate

Research. American Association of Physics Teachers 1999 Winter Meeting. Abstract in *Announcer* 28:88. 1998.

Smith, S.A., Johnson, W.H., and Rudin, M.J. Dating Reservoir Sediments Using ^{210}Pb and ^{137}Cs . 43rd Annual Meeting of the Health Physics Society, Minneapolis, MN. July 12-16, 1998.

Johnson, W.H., Davis, M.M., and Rudin, M.J. A Comparison of Fission Product and Plutonium Activity in Desert Washes. 43rd Annual Meeting of the Health Physics Society, Minneapolis, MN. July 12-16, 1998.

Goldston, S.J., Johnson, W.H., and Rudin, M.J. Ratio of ^{137}Cs to $^{239,240}\text{Pu}$ in Reservoir Sediments. 43rd Annual Meeting of the Health Physics Society, Minneapolis, MN. July 12-16, 1998.

Hogge, D.R., Koch, P., and Rudin, M.J. Use of a Gridded Ionization Chamber for Rapid Quantification of Arid Soil Samples. 42nd Annual Meeting of the Health Physics Society, San Antonio, TX. June 29-July 3, 1997.

Rudin, M.J., Johnson, W.H., and Krauss, M.J. Leaching of $^{75}\text{Selenium}$ from Cement-Based Matrices. 42nd Annual Meeting of the Health Physics Society, San Antonio, TX. June 29-July 3, 1997.

Short, E.A., Rudin, M.J., and Johnson, W.H. Sorption of $^{75}\text{Selenium}$ by Cement-Based Matrices. 42nd Annual Meeting of the Health Physics Society, San Antonio, TX. June 29-July 3, 1997.

Johnson, W.H., Marsicek, J.V., and Rudin, M.J. Preliminary Risk Assessment for Recycling NORM-Contaminated Concrete and Steel. 42nd Annual Meeting of the Health Physics Society, San Antonio, TX. June 29-July 3, 1997.

Seminoff, M.M., Johnson, W.H., and Rudin, M.J. Radionuclide Content of Upper Gypsum Wash Sediments. 42nd Annual Meeting of the Health Physics Society, San Antonio, TX. June 29-July 3, 1997.

Morris, P.S., Johnson, W.H., and Rudin, M.J. The Influence of Particle Size on Radionuclide Transport in Desert Washes During Flash Floods. 42nd Annual Meeting of the Health Physics Society, San Antonio, TX. June 29-July 3, 1997.

Rudin, M.J., Johnson, W.H., and Meyers, A.M. Radionuclide Content of the Las Vegas Wash. 41st Annual Meeting of the Health Physics Society in Seattle, WA. July 21-25, 1996.

Crumbly, I.J., Johnson, W.H., and Rudin, M.J. UNLV/FVSC 3+2 Dual Degree Program in Health Physics. 41st Annual Meeting of the Health Physics Society in Seattle, WA. July 21-25, 1996.

Pitanzo, B.J., Amy, P.S., and Rudin, M.J. Effect of Gamma Radiation on Indigenous Microbes at Yucca Mountain. 96th General Meeting of the American Society for Microbiology in New Orleans, LA. May 19-23, 1996.

Hatcher, L.W. and Rudin, M.J. Gamma Efficiency Approximation for Non-Standard Geometries. 40th Annual Meeting of the Health Physics Society in Boston, MA. July 23-27, 1995.

Rudin, M.J., Pensinger, S., and Shenk, K.J. Radiological Monitoring at UNLV. 40th Annual Meeting of the Health Physics Society in Boston, MA. July 23-27, 1995.

Outlaw, P.D. and Rudin, M.J. University/Industry Partnerships in Health Physics Education, 28th Midyear Topical Meeting of the Health Physics Society, Charleston, SC. January 29 - February 1, 1995.

Rudin, M.J. Graduate Studies in Health Physics at UNLV, 28th Midyear Topical Meeting of the Health Physics Society, Charleston, SC. January 29 - February 1, 1995.
Rudin, M.J. Undergraduate Studies in Health Physics at UNLV, 28th Midyear Topical Meeting of the Health Physics Society, Charleston, SC. January 29 - February 1, 1995.

SELECTED PROFESSIONAL SERVICE ACTIVITIES

Associate Editor, Health Physics Journal, Spring 1996 – Present

National Health Physics Society Government Relations Committee, Fall 2014 – Present

National Health Physics Society Academic Education Committee, Chair, Summer 2003-2006

President Elect, President, and Past President of the Lake Mead Chapter of the Health Physics Society, Spring 1995 – Spring 1998

Served as a reviewer of manuscripts for Waste Management (peer-reviewed journal)

Office of Civilian Radioactive Waste Management Historically Black College and

Universities Graduate Fellowship and Undergraduate Scholarship Review Team,

Member, Fall 1995 – Fall 2007

ABET/ASAC Team Chair and Program Evaluator, Fall 2005 – Spring 2012