**Eric V. McDonald, Ph.D.**
Research Professor
Earth and Ecosystem Sciences
Desert Research Institute
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(775-673-7302)

**QUALIFICATIONS**

Research professor with extensive research and project management experience in integrated Earth Sciences through the fusion of soil science, surficial geomorphology, fluvial and surface water hydrology, sedimentology, ecohydrology, soil physics, numerical modeling and simulation, and the study of past climate change.

**EDUCATION**

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| PhD | University of New Mexico | December, 1994 |
| MS Soil Science | Washington State University | August, 1987 |
| BS Geology | Humboldt State University | June, 1984 |

**RESEARCH SCIENCE AND MAMANGMENT ACCOMPISHMENTS**

- Developed an integrated basic and applied research program in surface terrestrial processes, landscape evolution, climate change, and hydrology
- Generated and managed > $34M in research grants and contracts
- Supervised and directed research of > 65 research faculty, Post Doctorates, technical staff, and graduate students at DRI and collaborating institutions
- Presented >130 technical presentations at international and national conferences, symposia, workshops, and sponsor project meetings
- Established productive research collaborations between DRI and multiple universities (national/international)
- Authored/co-author over 110 papers in international and national scientific journals
- Prepared >70 final project reports
- Organized and facilitated >12 national and international conferences, symposiums, and workshops
- Advanced new methods of comprehensive chemical, physical, and hydrologic analysis of soil and sediment samples
- Developed the DRI Soil Characterization and Quaternary Pedology Laboratory (~2500 $ft^2$ laboratory space), >$3M in field and laboratory equipment, extensive soil, sediment, and hydrologic analytical capabilities.
- Directly hired into DRI through project funding >40 Post-Doctorate Researchers, M.S. and B.S. level scientific staff.

**PROESSIONAL EXPERIENCE**

Desert Research Institute (DRI), Earth and Ecosystem Science, Reno NV
(7/97 to present)

Positions held at DRI:

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| *Research Professor* | 7/06 to present |
| *Associate Research Professor* | 7/00 to 6/06 |
| *Director*, Soil Characterization and Quaternary Pedology Laboratory | 10/98 to present |
| *Adjunct Professor: Univ. of Nevada Reno: Hydrological Sciences Program* | 7/99 to present |
| *Interim Director*, *Center for Arid Lands Environmental Management* | 10/99 to 10/00 |
| *Assistant Research Professor* | 7/97 to 7/00 |
| *Director: Quaternary Pedology and Soil Characterization Laboratory* | 7/97 to present |

Los Alamos National Laboratory, Department of Energy, Los Alamos, NM. 7/94 to 6/97
*Post-Doctoral Research Associate*: Geology and Geochemistry

Washington State University, Department of Agronomy and Soils, Pullman, WA 7/93 to 9/94
*Post-Doctorate Research Associate in Soil Science*

University of New Mexico, Department of Earth and Planetary Sciences, 8/89 to 5/93
Albuquerque, NM: *Graduate Research Assistant*

Washington State University, Department of Agronomy and Soils, Pullman, WA 8/87 to 7/89
*Research Associate in Soil Science*

Washington State University, Department of Agronomy and Soils, Pullman, WA 8/84 to 7/87
*Graduate Research Assistant*