Luke J. Buckley

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(406) 496-4677 ● LBuckley@mtech.edu

EDUCATION

MS in Technical Communication, 4.0 GPA—*Highest Honors*   **2018**

Montana Tech of The University of Montana, Butte, MT

> *Project Title*: "Applying User Centered Design Principles to Deliver Surface Water Data to Diverse Audiences"

BS in Mathematics   **1995**

Montana Tech of The University of Montana, Butte, MT

ASE in Geological Engineering   **1993**

Montana Tech, Butte, MT

PROFESSIONAL EXPERIENCE

Professor—Senior Data Scientist   **1994–Present**

Montana Technological University, Montana Bureau of Mines and Geology

- 2025—present: Professor—Senior Data Scientist, MBMG
- 2018–2025: Associate Professor—Data Scientist, MBMG
    - 2021–present: Research Affiliate Associate Professor, Writing Program
    - 2018–present: Adjunct Teaching Faculty
- 2016–2018: Data Systems Manager II
- 2005–2016: Computer Software Engineer, Applications II
- 2004–2005: Computer Software Engineer, Applications I
- 2001–2004: Computer Support Specialist I
- 1994–2001: Information Systems Support Specialist

CLASSROOM ASSIGNMENTS

Class Number, Title and Credits	Semester
WRIT 121—Introduction to Technical Writing (3 credits) *Catalog description*: Introduces students to written technical communication. Coverage includes electronic communication, memo writing, report writing, formal research writing, document design (including the design of graphical elements), grammar, usage, and style. Course assumes working knowledge of Microsoft Word.	Fall-2018, Spring-2019, Fall-2023*, Fall-2024*

Course	Semesters Taught
WRIT 321W—Advanced Technical Writing (3 credits) *Catalog description*: Emphasizes effective, clear and accurate scientific and technical communication. Focuses on writing theory and on the process approach to writing. Rewriting is stressed. Written work integrated with major fields.	Fall-2019*, 2020*, 2021*, 2022* Spring-2020*, 2021*, 2022*, 2023, 2024*, 2025
COMX 338W—Usability Testing (3 credits) *Catalog description*: Principles/concepts of usability testing, including human factors and software psychology. Text-based, expert-based, reader-based, and prototype-based user testing. An introduction to user-centered product-development, and hands-on step-by-step discussion of test design augmented by discussion and strategy. Developing objectives, criteria, and measures. Conducting usability test in lab, field, and virtual environments. Using usability testing software programs to analyze qualitative/quantitative data.	Fall-2018
TC 591—Advanced Usability Testing (3 credits) *Catalog description*: Principles/concepts of usability testing, including human factors and software psychology. Text-based, expert-based, reader-based, and prototype-based user testing. An introduction to user-centered product-development, and hands-on step-by-step discussion of test design augmented by discussion and strategy. Developing objectives, criteria, and measures. Conducting usability test in lab, field, and virtual environments. Using usability testing software programs to analyze qualitative/quantitative data.	Fall-2018
CSCI 340—Database Design (3 credits) *Catalog description*: Studies concepts and applications in database management including the relational model, relational algebra, Structural Query Language (SQL), normalization, transactions, and how to avoid SQL-injection. XML, No SQL and Big Data are introduced. Information stewardship is discussed. Students get a chance to prototype a database application working in groups.	Spring-2019, 2020

*-multiple sections per semester

DUTIES

- ➢ Plan, design, develop, implement, and administer 70 agency databases.
- ➢ Plan, design, develop, implement, and administer 58 agency web applications.
- ➢ Design and maintain security policies for databases and web applications.
- ➢ Design, implement, and administrate Data Center disaster recovery and backup policies.
- ➢ Design, develop, implement, and administrate high-availability strategies for data center using mirroring and replication technologies.
- ➢ Design, develop, implement, and administrate Business Intelligence and ETL processes using Integration Services.
- ➢ Develop and manage performance tuning and analysis strategies for Data Center.
- ➢ Administrate all public and private agency websites.
- ➢ Design, develop, deploy, and administrate agency web applications.
- ➢ Develop, distribute, and enforce policies and procedures to maintain data security and integrity.

- Consult with Local, State, and Federal government as well as private data partners.
- Develop and implement training materials for staff and other database users.

PROGRAMMING LANGUAGES AND OTHER SOFTWARE PACKAGES

- Microsoft Visual Studio (6, 2003, 2005, 2008, 2010, 2012, 2013, 2015, 2017, 2019, 2022)
  - Visual Basic, C++, C#, Java, JavaScript, PHP, HTML (1-5), CSS (1-3)
- Microsoft SQL Server (2000 Standard, 2005 Standard, 2008 Standard, 2012 Standard, 2014 Enterprise, 2016 Enterprise, 2019 Enterprise)
  - SQL Server Management Studio
  - SQL Server Integration Services
  - SQL Server Analysis Services
  - SQL Server Reporting Services
- Microsoft Windows Server (NT, 2003, 2008, 2012, 2016)
- Microsoft Internet Information Services (5, 6, 7, 7.5, 8, 8.5, 10)
- ESRI ArcGIS Server (9.3, 10.0, 10.1, 10.2, 10.3, 10.4)
  - ArcGIS API for JavaScript (2.8-4.7)
- Adobe InDesign CC
- Microsoft Office (Word, Excel, PowerPoint, Access)
- PowerBuilder
- Sybase Adaptive Server

AWARDS

- Won, College of Letters, Sciences, and Professional Studies Award for Excellence (Part-Time Faculty, 2023)
- Won, Rose & Anna Busch Faculty Achievement Award in Recognition of Teaching, Scholarship, and Professional Excellence, Montana Technological University (2022)
- Nominated, Rose & Anna Busch Faculty Achievement Award (2021)
- Won, Employee Merit Award (Excellence in Research, Service, or Leadership), Montana Technological University (2019)
- Won, Paulette Miller Memorial Award, Montana Tech Institute for Educational Opportunities, Recognition of 25 years of Service to the Montana Tech Science and Engineering Fair (2016)
- Won, Montana Board of Water Well Contractors, Recognition of Determined Dedication and Professional Knowledge in the Development, Implementation, and Success of the Groundwater Information Center (2012)

CERTIFICATIONS

Microsoft Certified Professional (MCPID# 3841242)

Microsoft Certified IT Professional: SQL Server Database Administration, October 2007

Microsoft Certified Technology Specialist: SQL Server, February 2007

UNIVERSITY SERVICE

2022–present: Montana Tech Faculty Senate

- ➢ Confidence & Professionalism Recovery Plan Subcommittee

2012–2022: Montana University System Wellness Champions

- ➢ Promote wellness mentality among campus employees
- ➢ Participate in campus wellness events

2008–present: Faculty Advisor to the Baptist Student Union Campus Club

2001–present: Head Judge, Division II, Montana Tech Science and Engineering Fair

- ➢ Orient and manage science fair judges during the yearly fair
- ➢ Participate in planning and organizational meetings during the year

2001–present: Member, Montana Tech Science and Engineering Fair Advisory Board

- ➢ Participate in meetings to provide guidance for the Montana Tech Science and Engineering Fair

1994–present: Staff Support, Groundwater Assessment Act Steering Committee

1991–present: Judge, Southwest Montana Regional Science and Engineering Fair

- ➢ Evaluate and judge Science and Engineering Fair projects

Graduate Committees

2018–2019: Served on Sara Schaefer's Master's committee, Professional and Technical Communication

Graduate Thesis Advice

2022: Review and feedback on Forrest Green's Master's Thesis, Petroleum Engineering Department

Internship Mentor

2021 (summer): Served as internship mentor (6 credits) for Rebecka Lester (Computer Science)

Search Committees

2024: Served on Writing Program search committee (Instructor II)

2021: Served on GIS Manager search committee, Chair

2020: Served on Writing Program search committee (Instructor I)

2018: Served on one campus search committee, Chair for last part

2015: Served on three campus search committees

2014: Served on three campus search committees, Chair for one campus search committee

2012: Served on one campus search committee

2011: Served on one campus search committee

2010: Served on two campus search committees

2009: Served on four campus search committees

2008: Served on three campus search committees

2007: Served on three campus search committees

COMMUNITY SERVICE

2024: Judge, Good Citizen Award, Daughters of the American Revolution

2023: Judge, Good Citizen Award, Daughters of the American Revolution

2020: Judge, Good Citizen Award, Daughters of the American Revolution

2019: Judge, Traveling Scholarship Essay, Daughters of the American Revolution

Judge, Good Citizen Award, Daughters of the American Revolution

2012–present: Judge, National Forensics League—Speech and Debate Tournament, Butte High School

PROFESSIONAL MEMBERSHIPS

2018–2019: Member, Five-Year Planning Workgroup of the Subcommittee on Ground Water (SOGW), Advisory Committee for Water Information (ACWI) (US Government)

2017–2021: Member, Montana Section American Water Resources Association

2014–2020: Member, DNRC-MBMG Surface Water Assessment and Monitoring Program development group

2007–2013: Member, Data Standards and Data Management Workgroup of the Subcommittee on Ground Water (SOGW), Advisory Committee for Water Information (ACWI) (US Government)

2001–2003: Member, Montana Section American Water Resources Association

1999: Montana Department of Natural Resources and Conservation Database Technical Working Group

GRANTS, PROJECTS, AND PROPOSALS

Gavillot, Y., Stickney, M., Elliott, C., Li, Y., and **Buckley, L.J.**, 2021, Department of Homeland Security Individual Earthquake State Assistance Grant

Mosolf, J., McDonald, C., Okonski, K., Roth, A., **Buckley, L.J.**, Li, Y., and Lester, R., 2021, Specimen archive and analytical data repository at the MBMG, United States Geological Survey—National Geological and Geophysical Data Preservation Program Grant

Scarberry, K., Herman, D., Roth, A., Pincock, C., **Buckley, L.J.**, Gunderson, J., and Li, Y., 2021, Critical mineral resource inventory and data delivery, United States Geological Survey—National Geological and Geophysical Data Preservation Program Grant

Buckley, L.J., 2021, Montana University System Wellness Grant, $5,000

Gavillot, Y., Li, Y., and **Buckley, L.J.**, 2020, Department of Homeland Security Individual Earthquake State Assistance Grant

Buckley, L.J., 2019, Montana University System Wellness Grant, $5,000

Buckley, L.J., 2018, Montana University System Wellness Grant, $4,960

Buckley, L.J., 2017, Montana University System Wellness Grant, $4,700

Buckley, L.J., 2014, MT Contribution to the National Geothermal Data System – Installing GIN-stack, $12,000

Getty, J., McDonald, C., Vuke, S., Gunderson, J., and **Buckley, L.J.**, 2013, Evaluating Proppant Sources within Montana, Montana Board of Oil and Gas Conservation

Stickney, M., Patton, T., Thale, P., and **Buckley, L.J.**, 2013, Earthquake State Assistance, Federal Emergency Management Agency

Buckley, L.J., Duaime, T.E., 2011, Burlington Northern Somers Groundwater Information Consolidation, Montana Department of Environmental Quality

Duaime, T.E. and **Buckley, L.J.**, 2010, Idaho Post and Pole Data Transfer, Montana Department of Environmental Quality

Icopini, G.I., **Buckley, L.J.,** Gunderson, J., 2010, State Geological Survey Contributions to the National Geothermal Data System, $401,009

DATABASES AND APPLICATIONS

Buckley, L.J., Majumder, B., & Barth, S.A. (editor). Montana Bureau of Mines and Geology. (2024). *Ground Water Information Center* (12th edition) [website].

Buckley, L.J. Montana Bureau of Mines and Geology. (2024). *Natural Resources Archive Data System Data Entry Website* [website].

Buckley, L.J., & Lester, R. Montana Bureau of Mines and Geology. (2024). *Natural Resources Archive Data System Data Warehouse* [database].

Buckley, L.J., Majumder, B., & Barth, S. A. (editor). Montana Bureau of Mines and Geology. (2023). *Montana Bureau of Mines and Geology* [website].

Buckley, L.J. Montana Bureau of Mines and Geology. (2022). *Abandoned and Inactive Mines Data Warehouse* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2022). *Ground Water Information Center Data Warehouse* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2022). *Natural Resources Archive Data System* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2022). *Survey of Native Proppant Data Warehouse* [database].

Buckley, L.J., & Lester, R. Montana Bureau of Mines and Geology. (2021). *Collections* [database].

Buckley, L.J., & Lester, R. Montana Bureau of Mines and Geology. (2021). *Collections Data Entry Application* [website]. Retrieved from https://data2.mbmg.mtech.edu/collections/login.asp.

Buckley, L.J., & Lester, R. Montana Bureau of Mines and Geology. (2021). *Collections Search Engine* [website]. Retrieved from https://data.mbmg.mtech.edu/collections/viewer.asp.

Buckley, L.J., Majumder, B., & Barth, S.A. (editor). Montana Bureau of Mines and Geology. (2021). *Montana Bureau of Mines and Geology* [website].

Buckley, L.J., & Lester, R. Montana Bureau of Mines and Geology. (2021). *EarthMRI Data Entry Application* [website]. Retrieved from https://data2.mbmg.mtech.edu/earthmri/login.asp.

Buckley, L.J., & Lester, R. Montana Bureau of Mines and Geology. (2021). *EarthMRI Search Engine* [website]. Retrieved from https://data.mbmg.mtech.edu/earthmri/viewer.asp.

Buckley, L.J. Montana Bureau of Mines and Geology. (2019). *EarthMRI* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2018). *MBMG Mineral Museum* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2017). *Administration Database* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2017). *Agency Calendar Database* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2017). *MBMG Agency Calendar* [website]. Retrieved from https://data2.mbmg.mtech.edu/archives.

Buckley, L.J. Montana Bureau of Mines and Geology. (2016). *Apps01* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2015). *Earthquake Web Mapping Application* [web application].

Buckley, L.J. Montana Bureau of Mines and Geology. (2015). *Mining Archives Public Search Engine* [website]. Retrieved from https://mbmg.mtech.edu/MontanaGeology/DataPreservation/Search.asp.

Buckley, L.J. Montana Bureau of Mines and Geology. (2015). *Proppant Web Mapping Application* [web application].

Buckley, L.J. Montana Bureau of Mines and Geology. (2015). *Surface Water Web Mapping Application* [web application].

Buckley, L.J. Montana Bureau of Mines and Geology. (2015). *Survey of Native Proppant* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2014). *Mining Archives Data Entry* [website]. Retrieved from https://data2.mbmg.mtech.edu/archives.

Buckley, L.J. Montana Bureau of Mines and Geology. (2014). *Staging* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2014). *Staging Development* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2014). *Surface Water Assessment and Monitoring Program* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2014). *Surface Water Assessment and Monitoring Program Administrative Interagency Interface* [website]. Retrieved from https://data.mbmg.mtech.edu/swamp/admin/.

Buckley, L.J. Montana Bureau of Mines and Geology. (2014). *Surface Water Assessment and Monitoring Program Development* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2014). *Surface Water Assessment and Monitoring Program Public Search* [website]. Retrieved from https://mbmg.mtech.edu/WaterEnvironment/SWAMP/main.asp.

Buckley, L.J. Montana Bureau of Mines and Geology. (2013). *Digital Data Delivery (3D) Database* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2013). *Ground Water Information Center Web Mapping Application* [web application].

Buckley, L.J. Montana Bureau of Mines and Geology. (2011). *Montana National Geothermal Data System* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2011). *Weather Legacy Database* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2010). *Ground Water Information Center Legacy Laboratory* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2009). *Mining Archives and Data Preservation* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2009). *Telemetry* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2007). *Contracts and Grants Cost Share Database* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2007). *Contracts and Grants Cost Share Database Data Entry* [website]. Retrieved from https://datagwic.mtech.edu/datacenter/acct/signin.asp.

Buckley, L.J., et al. Montana Bureau of Mines and Geology. (2006). *Abandoned and Inactive Mines* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2006). *Analytics* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2006). *Earthquake* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2006). *Ground Water Information Center* [website]. Retrieved from https://mbmggwic.mtech.edu/.

Buckley, L.J. Montana Bureau of Mines and Geology. (2006). *Ground Water Information Center DNRC Access* [website]. Retrieved from https://mbmggwic.mtech.edu/dnrc/dnrcMain.asp.

Buckley, L.J. Montana Bureau of Mines and Geology. (2006). *Training* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2006). *Web Analytics Data Warehouse* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2005). *Coal* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2005). *DocMan* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2004). *Landslide* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2004). *DrillerWeb* [website]. Retrieved from https://mbmggwic.mtech.edu/drillerweb/drillerMain.asp.

Buckley, L.J. Montana Bureau of Mines and Geology. (2003). *DrillerWeb* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2003). *Ground Water Information Center* [website]. Retrieved from https://mbmggwic.mtech.edu/.

Buckley, L.J. Montana Bureau of Mines and Geology. (2003). *Ground Water Information Center Help System* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2003). *MBMG Catalog and Point of Sale* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (2002). *Ground Water Information Center* [website]. Retrieved from https://mbmggwic.mtech.edu/.

Buckley, L.J. Montana Bureau of Mines and Geology. (2001). *Ground Water Information Center Data Entry* [website]. Retrieved from https://datagwic.mtech.edu/.

Buckley, L.J. Montana Bureau of Mines and Geology. (2001). *Ground Water Information Center* [website]. Retrieved from https://mbmggwic.mtech.edu/.

Buckley, L.J. Montana Bureau of Mines and Geology. (2000). *Ground Water Information Center* [website]. Retrieved from https://mbmggwic.mtech.edu/.

Buckley, L.J. Montana Bureau of Mines and Geology. (1999). *Ground Water Information Center* [website]. Retrieved from https://mbmggwic.mtech.edu/.

Buckley, L.J. Montana Bureau of Mines and Geology. (1997). *Ground Water Information Center* [database].

Buckley, L.J. Montana Bureau of Mines and Geology. (1997). *Ground Water Information Center Web Administration* [database].

PUBLICATIONS

Buckley, L. (2024). An introduction to usability. In D. Atkinson & S. Corbitt, *Advanced-level writing in the university classroom and beyond: Mindful practices for technical, business, and scientific communication* (pp. 40-47). Montana Technological University. https://open.umn.edu/opentextbooks/textbooks/advanced-level-writing-in-the-university-classroom-and-beyond-mindful-practices-for-technical-business-and-scientific-communication

Buckley, L. (2024). Transcript of interview with Luke Buckley on October 5, 2023. In D. Atkinson & S. Corbitt, *Advanced-level writing in the university classroom and beyond: Mindful practices for technical, business, and scientific communication* (pp. 16-27). Montana Technological University. https://open.umn.edu/opentextbooks/textbooks/advanced-level-writing-in-the-university-classroom-and-beyond-mindful-practices-for-technical-business-and-scientific-communication

Buckley, L.J. (2020). Ground Water Information Center (GWIC) Training: Data Center Gold [Abstract]. Submitted to 2020 Annual Meeting of the Montana Section of the American Water Resources Association: Groundwater Uncovered Conference.

Buckley, L.J. (2019). Building a Water Communication System through Collaboration and

Networking [Abstract]. Submitted to 2019 Annual Meeting of the Montana Section of the American Water Resources Association: Groundwater Uncovered Conference.

Buckley, L.J. (2018). The Surface Water Assessment and Monitoring Program and the MBMG Data Center [Abstract]. Submitted to 2018 Annual Meeting of the Montana Section of the American Water Resources Association: Collaborative Science Conference.

Buckley, L.J. (2018). Applying User Centered Design Principles to Deliver Surface Water Data to Diverse Audiences. *Graduate Theses & Non-Theses*. 155. https://digitalcommons.mtech.edu/grad_rsch/155.

Buckley, L.J. (2017). User-Centered Design: Best practices to effectively deliver Montana surface water data [Abstract]. Montana AWRA Proceedings for Science, Policy and Communication: The role of science in a changing world 2017 Conference (pp. 29-30).

Patton, T.W., and Buckley, L.J. (2013). Results of the Montana Pilot Study for the National Ground Water Monitoring Network Water Monitoring Network, Prepared for the Advisory Committee on Water Information Subcommittee on Ground Water, 74 p.

Patton, T.W., McKenna, D.P., Smith, L.N., LaFave, J.I., & Buckley, L.J. (1997). Activities of the Montana Ground-Water Assessment Program, Montana Bureau of Mines and Geology: Ground-water Open-File Report 3, 16 p.

PRESENTATIONS

Buckley, L.J. (2024, May). *How is that FAIR?* Presented to the MBMG Research Meeting, Montana Technological University, Butte, Montana.

Buckley, L.J. (2023, June). *Another Year Drowning in Data.* Presented to the MBMG Research Meeting, Montana Technological University, Butte, Montana.

Buckley, L.J. (2022, May). *The Shape of Data.* Presented to the MBMG Research Meeting, Montana Technological University, Butte, Montana.

Buckley, L.J. (2021, November). *Data Science: Corralling the Collections.* Presented to the Computer Science Department–Freshman Seminar, Montana Technological University, Butte, Montana.

Buckley, L.J. (2021, September). *Corralling the Collections.* Presented to the MBMG Research Meeting, Montana Technological University, Butte, Montana.

Buckley, L.J. (2020, November). *MBMG Data Center: By the numbers.* Presented to the MBMG Research Update, Montana Technological University, Butte, Montana.

Buckley, L.J. (2020, November). *Data Science: Building Collaborations on a 26-year Foundation.* Presented to the Computer Science Department–Freshman Seminar, Montana Technological University, Butte, Montana.

Buckley, L.J. (2020, October). *Data Center Gold: How do I get it?* Presented at the American Water Resources Association, Montana Section 2020 Virtual Conference, Butte, Montana.

Buckley, L.J. (2020, January). *New Collaborations and Research.* Presented to the Montana

Water Well Drillers Association 2020 Annual Convention, Billings, Montana.

Buckley, L.J. (2019, November). *Data Science: Building Collaborations on a 25-year Foundation.* Presented to the Computer Science Department–Freshman Seminar, Montana Technological University, Butte, Montana.

Buckley, L.J. (2019, October). *Data Center Evolution: Building a Water Communication System through Collaboration and Networking.* Presented at the American Water Resources Association, Montana Section 2019 Conference, Red Lodge, Montana.

Buckley, L.J. (2019, January). *Montana Bureau of Mines and Geology: Data Center Applications.* Presented at the Montana Water Well Drillers Association 2019 Annual Convention, Helena, Montana.

Buckley, L.J. (2019, January). *Getting Data from the SWAMP Website.* Presented at the Montana Watershed Coordination Council 2019 Annual Meeting, Helena, Montana.

Buckley, L.J. (2018, October). *Surface Water Assessment and Monitoring Program and the MBMG Data Center (Collaborative Science).* Presented at the American Water Resources Association, Montana Section 2018 Conference, West Yellowstone, Montana.

Buckley, L.J. (2018, April). *Applying User Centered Design Principles to Deliver Surface Water Data to Diverse Audiences.* Poster presented at TechXpo, Montana Tech, Butte, Montana.

Buckley, L.J. (2018, April). *2017/18 at the Data Center.* Presented at the MBMG Annual Research Meeting, Butte, Montana.

Buckley, L.J. (2018, March). *Skiing through Mountains of Data*. Presented at the Montana Tech Public Lecture Series, Butte, Montana.

Buckley, L.J. (2018, February). *Campus Wellness Incentives: Activities and You* Presented at the Montana Tech Faculty Senate Luncheon Learning Series, Butte, Montana.

Buckley, L.J. (2017, December). *Montana's Monitoring Network and Database*. Presented at the National Ground-Water Monitoring Network New Data Providers Meeting in Conjunction with NGWA Groundwater Summit and Groundwater Week, Nashville, Tennessee.

Buckley, L.J. (2017, October). *User-Centered Design: Best Practices to Effectively Deliver Montana Surface-Water Data*. Presented at the American Water Resources Association, Montana Section 2017 Conference, Helena, Montana.

Buckley, L.J. (2017, October). *Montana: Ground Water Information Center–The Water Well Record Database for the State of Montana*. Presented at the National Ground Water Association's (NGWA) Virtual Conference on State/Provincial Water Well Record Databases, Butte, Montana.

Buckley, L.J. (2017, March). *Promoting Effective Communication through Redesign of the MBMG Web Presence*. Presented at Montana Bureau of Mines and Geology Annual Meeting, Butte, Montana.

Buckley, L.J. (2016, February). *MBMG Data Center 2016*. Presented at MBMG Annual Research Seminar, Butte, Montana.

Buckley, L.J. (2014, February). *Earth Science Data Delivery at MBMG*. Presented at Montana Water Well Drillers Association, Billings, Montana.

Buckley, L.J. (2013, April). *Ground Water Information Center.* Presented to Great Falls Association of Realtors in conjunction with Montana Water Center (MSU).

Buckley, L.J. (2010, February). *Getting Good Data*. Presented at Montana Water Well Drillers Association, Billings, Montana.

Buckley, L.J. (2009, February). *Integrating GPS data into GWIC*. Presented at Montana Water Well Drillers Association, Helena, Montana.

Buckley, L.J. (2008, May). *GWIC locations and DrillerWeb.* Presented to Board of Water Well Contractors continuing education class, Helena, Montana.

Buckley, L.J. (2008, February). *The importance of good locations: GPS data*. Presented at Montana Water Well Drillers Association, Missoula, Montana.

Buckley, L.J. (2008, February). *A Tour of the Ground-Water Information Center.* Presented to the MIN 4440 class at Montana Tech of The University of Montana.

Buckley, L.J. (2007, May). *A Tour of the Ground-Water Information Center*. Presented to the MIN 1520 class at Montana Tech of The University of Montana.

Buckley, L.J. (2006, February). *DrillerWeb: Online data entry for drillers in the state of Montana*. Presented at Montana Water Well Drillers Association.

Buckley, L.J. (2004, December). *DrillerWeb: Online data entry for drillers in the state of Montana*. Presented to NGWA convention, Las Vegas, Nevada.

Buckley, L.J. (2004, February). *DrillerWeb.* Presented at the Montana Water Well Drillers Association, Kalispell, Montana.

Buckley, L.J. (2001, September). *A Tour of the Ground-Water Information Center*. Presented to Montana Rural Water Association conference, Great Falls, Montana.

Buckley, L.J. (2000, October). *Ground Water on a Platter: Serving Data on the World-Wide Web from the Montana Ground-Water Information Center.* Presented to Montana section of the American Water Resources Association, West Yellowstone, Montana.

PROFESSIONAL DEVELOPMENT COURSES

2006 – 2013: Microsoft Curriculum Online Live Training, New Horizons, Spokane, Washington

2000 – 2002: Cisco Certified Network Associate Curriculum, Montana Tech College of Technology, Butte, Montana