

BONNIE J. ERVIN

PhD Candidate, Human & Social Dimensions of Science & Technology

Arizona State University

Research Focus: Participatory Governance, Public Interest Technology,

Democratic Deliberation, and Socio-Technical Systems

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RESEARCH PROFILE

Interdisciplinary researcher examining how digital and AI-adjacent systems remain governable in real-world institutional and societal contexts. Research focuses on participatory technology assessment, democratic engagement, institutional trust, and public-interest approaches to technology governance. Experienced in designing and facilitating stakeholder engagement processes that translate public reasoning into governance and implementation insights.

EDUCATION

Doctor of Philosophy (PhD Candidate), Human & Social Dimensions of Science & Technology, Arizona State University (Expected 2027)

International Doctoral Certificate in Responsible Innovation, Delft University of Technology (Netherlands), Karlsruhe Institute of Technology (Germany), and Arizona State University (2024)

Master of Social Work (Policy, Administration & Community Development), Arizona State University

RESEARCH & PROFESSIONAL EXPERIENCE

Graduate Student Research Associate, Consortium for Science, Policy & Outcomes (CSPO), Arizona State University (2024–2025)

- Designed and facilitated participatory technology assessment and community engagement workshops on emerging technologies
- Developed structured stakeholder-mapping and deliberative engagement activities examining trust, influence, and willingness to engage across institutional actors
- Conducted qualitative analysis of community dialogue and engagement outputs
- Translated public and frontline perspectives into governance, implementation, and policy insights for interdisciplinary teams

Doctoral Research Associate, EDSON-Ross Lab, Arizona State University (2022–Present)

- Conduct qualitative and mixed-methods research on governance and implementation challenges in digital public-service systems
- Develop conceptual frameworks examining institutional accountability, digital mediation, and frontline system navigation
- Design Digital Environment Tests (DETs) as an approach for examining real-world digital system conditions and governance implications
- Research interests include participatory governance, democratic oversight of technology, and public-interest technology

SELECTED PUBLICATIONS & WRITING

Ervin, B. (In progress). Designing for the Margins: What a Public Interest Technology Workforce Needs to Learn from Emergency Shelter Frontlines. Working commentary manuscript.

Harrell, L., Kennedy, T., Foucrier, J., Moffett, C., Ervin, B., & Rogers, O. (2022). Interprofessional pain management for adults with substance use disorders through an academic-community partnership. *Journal of Interprofessional Education & Practice*.

Zeien, J., Hanna, J., Puracan, J., Yee, S., De Castro, A., Ervin, B. J., Kang, P., Harrell, L., & Hartmark-Hill, J. (2021). Improving health professionals' and learners' attitudes towards homeless individuals through street-based outreach. *Health Education Journal*.

SELECTED PRESENTATIONS

“Who Pays When the Portal Fails? Naming the Hidden Labor of Digital Access”, Arizona Health Equity Conference, October 2026

“From Connectivity to Care: Reimagining Technology in Shelters”, Invited TechTalk speaker, PIT-UN Summit 2026, Los Angeles, CA, October 2026

“The Future of Artificial Intelligence (AI) & Its Implications for the Workforce, Now and the Future”, Fireside chat, Phoenix Women’s Commission, She Matters Equity Forum, Phoenix, AZ, May 2026

“Governing by Portal: Digital Public Services in Practice”, Governance of Emerging Technology & Science 2026 Annual Conference, Phoenix, AZ, May 2026

“Street-Level Bureaucracy in the Digital Age: Rethinking Labor, Technology, and Frontline Mediation in Homeless Services”, BSA Annual Conference, April 2026 (Accepted Oral Presentation)

METHODS & AREAS OF EXPERTISE

Participatory technology assessment (pTA) · Stakeholder mapping · Qualitative and mixed-methods research · Public-interest technology · Policy analysis · Institutional trust · Community engagement · Socio-technical systems analysis · Governance and implementation analysis