

BRUCE FULTON

ASSOCIATE PROFESSOR EMERITUS

CHRONOLOGY OF EDUCATION

University of Arizona, Tucson Arizona

Ph.D., Major: Information Resources and Library Science, Minor: Communication, 2013

Dissertation: Social gatekeeping, the serendipitous tie and discovery: Authors connecting readers to books through social media outreach. Directors Jana Bradley and Martin Frické

Master of Arts, Information Resources and Library Science (MLIS), 2006

Bachelor of Music, 1979

CHRONOLOGY OF EMPLOYMENT

University of Arizona, Tucson AZ

Associate Professor Emeritus, retired, 2022 -

Associate Professor, MA-LIS and Graduate Certificate Program Coordinator 2020 -2021

Courses developed and taught include Digital Curation & Digital Preservation, Introduction to Technology, Database Management and Administration, Applied Technology, Advanced Digital Collections, Technology Foundations. Other responsibilities include Academic Advising for the Master of Library and Information Science and Certificate Programs, and administration of all School of Information Certificate programs, plus committee and service obligations.

Assistant Professor and Graduate Certificate Program Coordinator 2013 - 2020

Courses developed and taught include Digital Curation & Digital Preservation, Introduction to Technology, Database Management and Administration, Applied Technology, Advanced Digital Collections, Social Computing, Technology Foundations, Foundations of Library and Information Service, Digital Information Management. Other responsibilities include Academic Advising for the Master of Library and Information Science and Certificate Programs, and administration of all School of Information Certificate programs, plus committee and service obligations.

Digital Projects Librarian, Adjunct Instructor, 2008 - 2013

Major projects included virtual computer lab development, implementation and instructional design, Course and Curriculum Development, eCollege and Desire-to-Learn (D2L).

Communications and Outreach Librarian, Adjunct Instructor, 2006 - 2008

Website, Web 2.0 and social tools development for the school's outreach efforts (podcasting, curricular support, distance communication and outreach strategies), program development and project management, Graduate Certificate development, grant development and grant administration (five Institute of Museum and Library Services grant applications awarded, > \$3M 2006-2013).

JES & Co, Tucson, AZ

Director of Information and Technology, 2002 -2005

Director of Operations, 1998 -2002

JES & Co. was a 501(c)3 non-profit research and development organization focusing on technology integration, instructional design and curriculum support for the education sector. Significant projects include: Director of Information and Technology for the US Department of Education-funded Partnership for 21st Century Skills; Technical architect and co-project manager, Oklahoma's VISION statewide on-line educational portal (Partnership with Dell, Intel, Microsoft); Principal architect, Managed Learning System Framework - learning resource object packaging, classification and discovery (adopted by Intel, 2001-2004); Co-Principal Investigator, Achievement Standards Network (National Science Foundation / National Science Digital Library); Principal architect, Academic Standards and Assessment System

(ASAS), a Dublin Core / GEM-based educational resource cataloging and standards alignment tool for K-12 educators; Curriculum development and instructional design for secondary and post secondary technology instruction programs (CompTIA A+, Networking Essentials, Microsoft Partners in Learning, Intel Academy, Dell Academy); Grant development and grant administration.

Tierra Del Oro Consulting Inc., Tucson, AZ

Vice President and Chief Operating Officer, 1995 – 1998

Tierra Del Oro was a technology consulting firm and partner level Microsoft Certified Solutions Provider servicing public sector and educational markets. Responsibilities included Project management, design and implementation of enterprise-level network and mail systems, development of training programs, management of help desk and instructional staff.

Infinity Group, Inc., Albuquerque, NM

Director of Management and Information Systems, 1994 – 1995

Infinity Group, Inc. specialized in manufacturing and distribution of computerized gaming devices and other gaming equipment and supplies. Responsibilities included reorganizing and implementing new technology systems including accounting, manufacturing, inventory and fixed assets; design and implementation of company information systems; business analysis and policy development materials; development of in-house training and professional development for staff and management.

Precise Management Inc., Dallas, TX; Retail Control Information Systems, Dallas; Total Information Systems, Phoenix, AZ

Vice President, 1984 – 1994

Precise Management, and previously, Retail Control Information Systems (Dallas) and Total Information Systems (Phoenix), developed and serviced custom vertical market software applications to retail and wholesale music trade operations in the U.S and Canada, Responsibilities included software design and applications programming, business analysis, solutions development, management of training and help desk staff; contracts and contract administration.

ACCREDITATIONS AND CERTIFICATIONS

eCollege Certified Course Developer, 2007

The Grant Institute, 2005

Microsoft Certified Professional, 1995 – 1999

Citrix Certified Administrator, 1999

Cisco Technical Sales, 1999

Project Management, Microsoft Solutions Framework / Microsoft Solutions Development Discipline, 1998

SERVICE/OUTREACH – INSTITUTIONAL COMMITTEES

Committee	Begin	End	Role
Assessment	Fall 2017	2021	Chair
Certificate Task Force	Spring 2017	Spring 2018	Member
Infrastructure Committee (ad hoc)	Spring 2016	Fall 2016	Member
Academic Advisor, MA-LIS	Fall 2016	2021	Chair
Accreditation and evaluation	Fall 2015	2021	Co-Chair
School of Information Curriculum Committee	Fall 2017	2021	Member
SIRLS Curriculum and Instruction Committee	Fall 2015	Spring 2017	Chair
Search Committees - various	Fall 2015	2021	Member
Search Committees - various	Fall 2015	2021	Chair
SIRLS/Sch. Info Executive Council	Summer 2015	2021	Member
Director of Graduate Studies	Spring 2015	Summer 2015	Chair
SIRLS Peer Review Committee	Fall 2013	Spring 2015	Member
SIRLS Curriculum and Instruction Committee	Fall 2013	Spring 2015	Member
SIRLS Admissions/Financial Aid Committee	Fall 2013	Spring 2015	Member

PROFESSIONAL SERVICE/OUTREACH (EXTRAMURAL)

Organization	Title	Description	Leadership and Impact	Start	End	Type
Academic and other State Libraries	Library Roundtable	Outreach to libraries about departmental programs	Keeping libraries in touch with departmental programs, courses and certificates	Spring 2016	2021	Community Service
Arizona Tech Council	Council Connect at the Gadfly	Sponsorship of the monthly meeting of the Arizona Tech council, co-presentation of the School of Information Programs and outreach with Heidorn	Exposure to over 100 technology leaders in the Phoenix area, follow-up to organizations with donor and internship potential.	Summer 2016	Summer 2016	

Glushko - Discipline of Organizing	Executive Board	By invitation, participating in the direction of development of the text and direction of the resource development as adopted by a growing number of colleges and universities for their organization of information coursework.	significant potential impact on how this discipline is taught as this text and related materials are adopted. Some of the resources I have developed for DigIn as well as case studies my students have created for our coursework are being embedded into resources made available for others to use.	Fall 2015	Fall 2016	Professional Service
2016 UA Career Services Employer Summit		Employer Summit	Represent School of Information to Business Community. Build contact and reputation for business roundtable and internship positions.	Fall 2015	Fall 2015	Community Service
School of Information		Business Roundtable	Meet with Stakeholders and business community leaders to promote the school of information	Fall 2015	Fall 2015	Community Service
UA	Women in Technology Forum		Represent School of Information programs to business community	Fall 2013	Fall 2013	

Arizona Library Association	Arizona Library Association	School of Information Panel Discussion, Bringing eSociety into undergraduate and graduate education		Fall 2013	Fall 2013	
Employer Development - Phoenix Career Services University of Arizona	eSociety Roundtable	Present eSociety and Certificate programs to Arizona businesses at Eller College Phoenix		Fall 2013	Fall 2013	

PUBLICATIONS AND PRESENTATIONS

Key:

* Published as Graduate Student
& Relevant NGO Publications

- *Bradley, J., **Fulton, B.**, & Helm, M. (2012). Self-published books: An empirical "snapshot". *Library Quarterly*, 82(2), 107-140.
- *Bradley, J., **Fulton, B.**, Helm, M., & Pittner, K. (2011). Non-traditional book publishing. *First Monday*, 16(8).
- ***Fulton, B.**, Botticelli, P., & Bradley, J. (2011). Digin: A hands-on approach to a digital curation curriculum for professional development. *Journal of Education for Library and Information Science*, 52(2), 95-109.
- *Botticelli, P., **Fulton, B.**, Pearce-Moses, R., Szuter, C., & Watters, P. (2011). Educating digital curators: challenges and opportunities. *International Journal of Digital Curation*, 6(2). 146-164.
- *Bradley, Johanna; **Fulton, Bruce** (2009). *Shifting Boundaries of Book Authorship, Publishing, Discovery, and Audience in an I-Society: Authors as their Own Publishers: an Empirical Study*. iConference 2009, Feb 8-11, 2009, Univeristy of North Carolina, Chapel Hill, North Carolina
- *Fulton, Bruce (2009). *Hands-on Authentic Teaching in a Distance Learning Environment*. Educause Learning Initiative (ELI), January 20-22, Orlando Florida
- *Bradley, Johanna; **Fulton, Bruce**; Botticelli, Peter (2008). *Online Information Management and Curation: Pedagogical Challenges*. Digital Stewardship Workshop at the Joint Conference on Digital Libraries, Pittsburgh, PA. June 16-20, 2008
- *Fulton, Bruce (2008). *Creating Virtual Hands-on Labs*. Southwest Institute for Learning with Technology, Northern Arizona University, May 19-21, 2008
- *Fulton, Bruce; Botticelli, Peter; Bradley, Johanna (2007). *Teaching Digital Curation: A Functional Approach*. ICHIM 2007 Proceedings, Toronto, Ontario, Canada. October 24-26, 2007
- *Fulton, Bruce; Bradley, Johanna (2007). *DigIn: Certificate Program in Digital Information Management*. DigCCurr2007 International Symposium. Chapel Hill, NC. April 18-20, 2007
- &Fulton, Bruce et al. (2004). *Route 21: Tools for 21st Century Teaching and Learning*. Appalachian Technology in Education Consortium at CNAC, for the United States Department of Education
- &Fulton, Bruce (2003). *Academic Standards and Benchmarks: Resource Alignment Search and Retrieval Use Cases*. JES & Co. Monograph
- &Fulton, Bruce (2003). *Alignment and Cataloging Methods*. JES & Co. Monograph

- &Fulton, Bruce (2003). *Managed Learning Systems: Recommendations for Best Practices Relating to Content Packaging, Aligning, and Cataloging of Educational Resources*. JES & Co. Monograph
- &Fulton, Bruce (2002). *Developing a Curriculum Alignment Framework for the Arizona ASP*. Cox Education Network and LearningStation.Com
- &Fulton, Bruce (2001). *Managed Learning Systems: Defining and Validating New Models of Delivery and Accountability*. Delivered to the Legislature of the State of Oklahoma. JES & Co. Whitepaper, 2001

AWARDED GRANTS AND CONTRACTS IN SERVICE

Title	Sponsor	Award Date	Status	Role	Total Funding
Library Integration and Cataloging	National Park Service	6/30/2020	Transferred 6/30/2021	PI - 100%	16,082.00
Advance Preservation of and Access to National Park Service Archives	National Park Service	6/1/2020	Transferred 6/30/2021	PI - 100%	23,497.00
Increase Public Availability of Archives	National Park Service	8/1/2019	Transferred 6/30/2021	PI - 100%	361,824.00
Increase Public Availability of Pacific West National Historic Landmark Archives	National Park Service	8/1/2019	Transferred 6/30/2021	PI - 100%	38,320.00
Improve Public Opportunities to Use Archival Collections	National Park Service	8/1/2018	Transferred 6/30/2021	PI - 100%	139,653.00
Improve Records Management for National Trails Program	National Park Service	7/1/2017	Transferred 6/30/2021	PI - 100%	70,000.00
Promote Access to National Park Service Archives	National Park Service	7/1/2017	Transferred 6/30/2021	PI - 100%	91,515.00
Prepare Archives Repository Guide for the Western Archeological and Conservation Center	National Park Service	12/1/2016	Transferred 6/30/2021	PI - 100%	99,639.00
Improve Access to National Park Service Archives (UAZCP-310)	National Park Service	7/1/2016	Transferred 6/30/2021	PI - 100%	333,532.00

LIST OF COLLABORATORS

Jana Bradley, Thesis Director
 Martin Frické, Thesis Director
 Bryan Heidorn, Thesis Director