William Abbott Foster, Ph. D.

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EDUCATION

1996-2001. **University of Arizona**, Tucson, AZ—PhD granted in May 2001. Dissertation: The Diffusion of the Internet in China
Member of MOSAIC Group which studied Internet diffusion in 40 countries.

National Security Education Program Fellowship (1999-2001)

Best Doctoral Presentation Award, IRMA Conference (2000) Selected by faculty
to represent Department at ICIS2000 Doctoral Consortium

1978-1982. **Williams College**, Williamstown, Massachusetts
Mead Government Internship. Class Prize in Religion.

EMPLOYMENT

1986-Present, **Foster and Brahm**—Managing Partner

Foster and Brahm provides strategic advice to corporations and governments on how to leverage technology to better meet their missions. Clients have included the US Congress, the US Executive Office of the President, 20 Federal Agencies (including Defense Intelligence Agency), Netscape, CIX (the world's first Internet Service Provider Association), SCIC, Stanford University, University of Arizona, MITRE, The Defense Group, the Center for Advanced Procurement and Supply (CAPS), and the UNESCO World Water Assessment Project.

2019-2920, **Udall Center for the Study of Public Policy**—DCC (Distinguished Community Colleague.

2016-2019, **Post Quantum Tek (PQT)—**Founder and Chief Visionary Officer.   Co-developed this startup company that seeks to commercialize University of Arizona Optics' technology for using mirrors and holograms to switch data. In April 2019 I sold my interest in the startup.

2017, **Adjunct Instructor of Cyberwarfare**, International Security Masters Program, University of Arizona.

2016, **Adjunct Instructor of Government and Public Service**, University of Arizona South, Sierra Vista, AZ. Taught class on US-China Cyber-Relations.

2015-2016, **Designated Campus Colleague**, East Asian Studies, University of Arizona.

2014, **Visiting Professor**, Emory University Goizueta Business School.

2012-2014. **Senior Research Associate**, Center for International Strategy, Technology, and Policy (CISTP), Sam Nunn School of International Affairs, Georgia Institute of Technology. Taught classes in International Cyber Policy at the Masters Level. Provided support for the Track II process POSSE.

2007-2011, Arizona State University, Polytechnic Campus, Science, Technology, and Society—
Faculty Associate, Syllabuses and student evaluations are available on request.

   Courses Taught:
      Soc 394 Information Technology and Global Social Change
      Soc 194: The Global Internet
      Soc 194: The Internet in Africa
      STS 394: Science, Technology and Society
      STS 330: Information Technology and Globalization
      STS 317: Science, Technology and Global Engagement

2001-2005, School of Global Management and Leadership, Arizona State University
Assistant Professor of Accounting and Information Systems
- Researched Internet diffusion in Mexico, China, and Ghana.
- Studied impact of globalization on Phoenix.
- Researched environmental standards (ISO 14000) and supply chains.

   Courses Taught:
      CIS 502: Information Systems Concepts in Practice,
      CIS 591: Global Information Technology Management,
      ISM 410: Client Server Computing
      ISM 412: System Analysis and Design

1995-2001, Commercial Internet Exchange (CIX), Washington, DC—**International and Regulatory Policy Editor**, CIXtra

- Wrote a monthly column that followed the Telecommunications Act of 1996 through the U.S. Congress, the Magaziner Inter-governmental Internet Task Force, the Federal Communications Commission (FCC), the Courts, and the State Regulatory Commissions.
- Worked with, made presentations to, and wrote columns on global organizations including the International Telecommunications Union (ITU), World Intellectual Property Organization (WIPO), Internet Society, and APNIC.

1992-1994, Foundation for Vermont, – **President**, Advocated for Vermont's leadership role in the world in terms of interactive democracy and environmental restoration.

1990-1992, GE Information Systems, Rockville, Maryland--**Global Network Engineer**. Designed and implemented global X.25, TCP/IP, and SNA solutions.

1986-1990, Riverbend Group, McLean Virginia--**Sales Engineer**
Designed and sold $2 million in networks and related services per year. Clients included the Executive Office of the President of the United States, US Congress and 20 government agencies.

1984-1986, Office of Congressman Jim Moody (D-WI), **Director of Communications and Legislative Assistant for Science and Technology.**

1982-1984, Office of Congressman Walter Fauntroy (D-DC) **Legislative Secretary and Press Secretary.**

Books and Book Chapters
Many of Dr. Foster's books and articles are available on request.

William Abbott Foster, "A Special White Paper on US-China Cyber-Relations," Waterfront Digital Press, July, 2015.

William Foster, The CIXtra Papers: Internet Service Providers and the US Telecommunications Act of 1996, (Tucson: Foster and Brahm, 2009).

Eric Osiakwan and William Foster, The Ghana Chapter of Negotiating the Net - The Politics of Internet Diffusion, Ernest Wilson editor, Lynne Reiner Publications, 2006.

William Foster and Seymour Goodman, The Diffusion of the Internet in China, (Palo Alto: Center for International Studies and Cooperation, Stanford University, November 2000).

William Foster, "Registering Domain Names: An Exercise in Global Decision Making" Coordinating the Internet, James Keller and Brian Kahin eds., (Boston: MIT Press, 1997).

Refereed Journal Articles

A. M. Rutkowski, W. A. Foster, S. E. Goodman, "Multilateral Cyber Security Solutions: Contemporary Realities," Public Interest Report, Federation of American Scientists, Vol. 65(1), Summer 2012,

William Abbott Foster, "Research Note: Huawei and America," Southwestern Journal of International Studies," Voll. 4, Number 1, Fall 2011, pages 107-112

Nicholas O. Alozie, Patience Akpan-Obong, and William A. Foster
"Sizing up information and communication technologies as agents of political development in sub-Saharan Africa," Telecommunications Policy, Vol. 35, Issue 8, September 2011, Pages 752-763.

William Abbott Foster and Russell C. Reinsch, "Huawei's Leadership in IMS and its Proprietary Softswitch," Chinese Management Studies, Vol. 4, No. 4 Nov. 2010.

Patience Akpan and William A. Foster, "African Telecommunication Giant Emerges," Computing & Communications Africa, 2008, Vol. 3, Number 2, pages 12-16.

Sherry Thatcher, William Foster, Ling Zhu, "B2B E-Commerce Adoption Decisions in Taiwan: The Interaction of Organizational, Industrial, Governmental, and Cultural Factors," Electronic Commerce Research and Applications (ECRA), 2005.

Peter Wolcott, Larry Press, William McHenry, Seymour E Goodman, William Foster, "A Framework for Assessing the Global Diffusion of the Internet," Journal of the Association of Information Systems, October, 2001, v. 2 article 6.

Zixiang (Alex) Tan, William Foster, Seymour Goodman, "China's State Coordinated Internet Infrastructure," Communications of the ACM, June 1999, v. 42, no. 6, pp. 44-52.

Larry Press, Grey Burkhart, Will Foster, Sy Goodman, Peter Wolcott, and Jon Woodard, "An Internet Diffusion Framework," Communications of the ACM, October 1998, pp. 21-26.

Zixiang (Alex) Tan, Milton Mueller, and Will Foster, "China's New Internet Regulations," Communications of the ACM, December 1997, v. 40, no. 12.

William A. Foster, Anthony M. Rutkowski, and Seymour E. Goodman, "Who Governs the Internet," Communications of the ACM, August 1997, v. 40, no. 8.

Other Selected Publications

William Foster and Hannah Thoreson, "How do you create a world financial community that is resilient in the face of cyber-security, cyber-espionage, and hacking?" PIR Center, Moscow, April 14, 2013.

William Foster, "The US House of Representatives Scapegoats Huawei," China Currents, China Research Center, 2012, Vol 2, Number 2.

William Foster, Zhang Cheng, Ken Kraemer, Jason Dedrick, "Technology and Organizational Factors in the Notebook Industry Supply Chain," Center for Strategic Supply Research (CAPS), Institute of Supply Management, 2005.

William Foster, Jane Carey, Pierre Balthazard, "Technical Report: West Valley Globalization and Information Technology Inventory," School of Management, ASU West, May 2003.

William Foster, "ISO14000 Environmental Standards and E-commerce," School of Management, ASU West, May 2002.

Seymour E. Goodman, Grey E. Burkhart, William A. Foster, Laurence I. Press, Zixiang (Alex) Tan, and Jonathan Woodard, "People's Republic of China," The Global Diffusion of the Internet Project: An Initial Inductive Study, (Fairfax , VA: The MOSAIC Group, March 1998).