

## **William Foster, Ph. D.**

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**Current Research Interests:** Energy Informatics, Multi-agent models of alternative energy adoption, collaboration between US and the rest of the World on alternative energy technologies.

### **HIGHLIGHTS**

- Research Fellow, Arizona Research Institute for Solar Energy (AzRISE).
- Press Secretary to Congressman Walter Fauntroy (D-DC)
- Legislative Assistant for Science and Technology for Congressman Jim Moody (D-WI)
- President, Foundation for Vermont
- Dissertation on Diffusion of the Internet in China published by Stanford University
- Completed study of globalization and Phoenix's West Valley
- Completed study of ISO14000 standards and reforming supply chains

### **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.

**Courses Taught:**

MIS 411 Social Issues in Computing, Fall 1998

MIS 481/581 Internet Business, Spring 1999

MIS 450/550 International Dimensions of MIS, Fall 1999 (co-taught)

MIS 596a Conflict and Security in Cyberspace, Fall 1999 (co-taught)

**Awards and Fellowships**

National Security Education Program Fellowship (1999-2001)

Graduate Fellowship (1999 – 2000)

Best Doctoral Presentation Award, IRMA Conference (2000)

Selected by faculty to represent Department at ICIS2000 Doctoral Consortium

**1978.1982**     **Williams College**, Williamstown, Massachusetts—Religion

Mead Government Internship.

Class Prize in Religion.

## **EMPLOYMENT**

### **2007-Present Arizona State University, Polytechnic Campus**

Science, Technology, and Society—Faculty Associate

#### **Courses Taught:**

Soc 394 Information Technology and Global Social Change

- 130 students per class
- on-line environment

Soc 194: The Global Internet

Soc 194: The Internet in Africa

STS 394: Science, Technology and Society

STS 330: Information Technology and Globalization

### **2006-Present Foster and Brahm—President**

- ❖ Keynote address for NBR on Wikinomics and Innovation in China.
- ❖ Wrote a report on cellular industry in Nigeria.
- ❖ Feasibility study for African Eyes, a video distribution company.
- ❖ Field study of Next Generation Networks and IMS (Internet Protocol Media Subsystem).
- ❖ Field study in China and the development of a report on the computer supply chain for the Institute of Supply Management's Center for Strategic Supply Research.
- ❖ Wrote a report about IPv6 and Next Generation Internet in China.

### **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.

Many of Dr. Foster's books and articles can be accessed at <http://www.fosterandbrahm.com/booksandarticles.htm>

### Books and Book Chapters

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).

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

Kenneth Kraemer, Jason Dedrick, William Foster, and Zhang Cheng, "Information and communications technologies and inter-corporate production networks: global information technology and local guanxi in the Taiwanese personal computer industry," *Multinational Corporations and the Emerging Network Economy in Asia and the Pacific*, Juan Palacios editor, New York: Rutledge, 2008).

### **Refereed Journal Articles**

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.

William Foster, Seymour Goodman, Eric Osiakwan, Adam Bernstein, "Global Diffusion of the Internet IV: The Internet in Ghana," *Communications of the Association for Information Systems*, June 2004, v. 13 article 38.

Larry Press, William Foster, Peter Wolcott and William McHenry, "The Internet in India and China," *Information Technologies and International Development*," MIT Press, v. 1, no. 1, Fall 2003, p. 41-60.

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 Publications**

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).

Larry Press, Grey Burkhart, Will Foster, Sy Goodman, Alex Tan, and Jon Woodard, "Studying Internet Diffusion," *OnTheInternet*, July/August 1998, pp. 36-39.

Seymour E. Goodman, Grey E. Burkhart, William A. Foster, Arun Mittal, Laurence I. Press, Zixiang (Alex) Tan, *The Global Diffusion of the Internet Project: Asian Giants On-Line* (Fairfax, VA: The MOSAIC Group, December 1998).

William Foster, Seymour Goodman, Zixiang (Alex) Tan, *The Internet and E-Commerce in Greater South China*, (Fairfax, VA: The Global Information Technology Assessment Group, November 1999).

### **Refereed Conference Speeches and Proceedings**

"China's Software Industry -- Current Status and Development Strategies," with Hongli Hu and Zhangxi Lin, **Global Information Technology Management (GITM) Conference**, Calgary, Canada, June 2003.

"Agile Methodology in CMM Framework: An Approach to Success for Software Companies in China," with Yan Xu and Zhangxi Lin, **Global Information Technology Management (GITM) Conference**, Calgary, Canada, June 2003.

"B2B e-commerce adoption decisions in Taiwan: The interaction of organizational, industrial, governmental and cultural factors," with Sherry Thatcher, **HICCS**, Hawaii, 2003

"ISO14000 Environmental Standards and E-commerce," **ITS 2001**, Hong Kong, July 2001.

"E-Commerce Adoption in the Chinese Electronics Industry," with Changbo Quo, **Global Information Technology Management World Conference**, Dallas, TX, June 2000.

"E-commerce in Greater South China," **INET 2000**, Yokohama, Japan, July 2000.

"Factors affecting B2B adoption in the Chinese Electronics Industry," **IRMA Conference**, Anchorage, AK, May 2000.

"Internet Diffusion in India and China" **INET 99**, San Jose, CA, July 1999.

“ISP: Rights and Responsibilities” **Law & Order in Electronic Commerce**, Tucson, AZ. Feb. 1998.

“Who Governs the Internet” with Robert Collet, **ITU Telecom Interactive**, Geneva, October 1997.

“Copyright: ISP Rights and Responsibilities” **INET’97**, Malaysia, June 1997.

“Registering Domain Names: An Exercise in Global Decision Making,” **Coordinating the Internet**, Kennedy School, Mass., October 1996.

### **Track Chairmanships and Editorial Positions:**

**Editorial Board, *Journal of E-Government***

**IT in China, Global Information Technology Management Conference (GITM)  
June 2005**

**IT in China, Global Information Technology Management Conference (GITM)  
June 2004**

**IT in China, Global Information Technology Management Conference (GITM)  
June 2003**

**IT Adoption in China, Americas Conference on Information Systems (AMCIS)  
August 2003**

**Assistant Editor, International Conference on Information Systems (ICIS)  
December 2003**

### **Grants**

\$2500 from NBR for a keynote address on Wikinomics and Innovation in China.

\$15,000 in 2006 for a study for MITRE on a study of China’s Next Generation Internet.

\$35,000 in 2005 for a study of the four tiers of the notebook supply chain from the Center for Strategic Supply Research (CAPS).

\$8,100 in 2004 from the ASU-West Council for Scholarly and Instructional Activity (CSIA) for a study of The Impact of the Internet on Chinese Business Practices with Jane Carey.

\$4,349 in 2002 for a study of globalization and information technology in Phoenix’s West Valley with Jane Carey from ASU West.

\$50,000 in 2000 for a study of e-commerce in greater China from the Center for Advanced Purchasing Studies (CAPS) with Sherry Thatcher.