

WILLIAM A. FOSTER

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EXECUTIVE PROFILE

Executive policy strategist, managing partner, and senior academic with 30+ years of leadership across government, venture capital, and academia. Managing Partner of Tantric Technologies Investments, advancing holographic data center technologies to improve energy efficiency, and global infrastructure resilience. Recognized authority on Internet governance, U.S.–China cyber relations, and technology policy, with 50 publications cited over 900 times. Trusted advisor to public institutions and international stakeholders, translating complex technological systems into actionable policy, and strategic outcomes.

KEY ACHIEVEMENTS

- Shaped national and international technology policy by advising U.S. congressional offices, federal agencies, global institutions, and academic leaders on Internet governance, cyber security, and emerging technology strategy.
- Built and led enduring institutions across venture capital, consulting, and academia, translating advanced networking and holographic technologies into scalable investment, policy, and educational outcomes.
- Advanced U.S.–China cyber and technology discourse through pioneering research, Stanford-published scholarship, and sustained thought leadership influencing policymakers and global stakeholders.
- Integrated technology, data, and communications systems to enable consensus-building, legislative action, and strategic decision-making at the highest levels of government and industry.

CORE COMPETENCES

<ul style="list-style-type: none">Cross-sector stakeholder engagementInstitutional leadership and governancePolicy advisory and executive influenceStrategic vision and long-range planningGlobal perspective and cultural intelligenceThought leadership and public communicationEthical judgment and public interest orientation	<ul style="list-style-type: none">Geopolitical risk and scenario analysisPolicy research and legislative analysisTechnology strategy and innovation policyData-driven research and comparative analysisDigital diplomacy and strategic communicationsGrant strategy and research program developmentInternational cybersecurity and cyber conflict analysis
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PROFESSIONAL EXPERIENCE

Chief Executive Officer

10/2024 to Current

Holographic Technologies Inc. (HTI)

Brattleboro, Vermont, United States

- Spearheaded the strategic vision and market positioning for a distributed holographic router, guiding the company from concept to commercialization readiness within the next-generation Internet infrastructure landscape.
- Led end-to-end corporate execution, aligning product architecture, engineering roadmaps, and go-to-market strategy to accelerate the adoption of decentralized holographic networking technologies.
- Built and directed cross-functional leadership across engineering, research, and commercialization, establishing governance frameworks to drive innovation velocity and execution discipline.
- Engaged investors, technology partners, and industry stakeholders to advance funding strategy, strategic alliances, and ecosystem integration, supporting scalable market entry.
- Defined a long-term growth strategy and competitive differentiation, positioning HTI as a category-defining innovator in distributed networking and advanced holographic communication systems.

Managing Partner

03/1986 to 10/2024

Tantric Technologies Investments (TTI)

Tucson, AZ Morristown, NJ

- Founded and scaled a boutique venture capital firm dedicated to transforming data center architectures through holographic switching technologies, materially advancing energy efficiency, and computational performance.
- Directed long-term investment strategy, portfolio construction, and capital deployment across deep-tech ventures, aligning technical innovation with scalable commercial outcomes.
- Evaluated, funded, and mentored breakthrough technology companies, guiding executive leadership teams through product validation, infrastructure scaling, and market expansion.
- Cultivated strategic relationships with technologists, institutional investors, and industry partners to accelerate the adoption of energy-reducing data center solutions.
- Championed sustainable technology investment, positioning TTI at the intersection of advanced networking, infrastructure optimization, and long-horizon value creation.

Managing Partner

08/1986 to 10/2018

Foster & Brahm

Tucson, AZ Morristown, NJ

- Co-founded and led a global management consulting firm, advising governments, enterprises, and academic institutions on the strategic adoption of the Internet and advanced networking technologies.

- Served as the principal advisor to senior leadership across the U.S. Federal agencies, congressional bodies, and executive offices, shaping technology policy, infrastructure strategy, and mission-critical digital transformation initiatives.
- Orchestrated cross-sector collaboration among universities, corporations, and public institutions to envision and implement large-scale networking and information technology solutions.
- Guided Fortune 500 and pioneering Internet-era organizations through early-stage digital strategy, infrastructure modernization, and emerging, networked service models.
- Established the firm as a trusted authority in global networking and information systems strategy, supporting high-impact initiatives for organizations, including the United Nations and leading research institutions.

Adjunct Lecturer

03/2017 to 12/2017

School of Government and Public Policy, University of Arizona

Tucson, AZ Indianapolis, IN

- Developed and executed a graduate-level curriculum analyzing state-sponsored cyber conflict among the United States, Russia, China, and Persia.
- Instructed senior-level students and professionals on contemporary cyber warfare doctrines, threat vectors, and strategic implications for government and public policy decision-making.
- Synthesized real-world intelligence, policy frameworks, and technical case studies to translate complex cyber operations into actionable, strategic insights.
- Strengthened the university's public policy program by bridging academic rigor with practitioner-level perspectives on global cyber conflict and security strategy.

Senior Analyst

05/2016 to 10/2016

Wikistrat

- Conducted scenario-based strategic analysis to evaluate geopolitical and cybersecurity risks for global clients, translating complex data into actionable insights.
- Supported simulation and modeling projects to anticipate emerging threats and inform decision-making for government, corporate, and NGO stakeholders.
- Synthesized multi-source intelligence and open-source data to deliver high-impact briefings and strategic recommendations to senior decision-makers.
- Contributed to collaborative, crowd sourced forecasting exercises that enhanced organizational foresight on cyber, political, and technological trends.

Adjunct Professor of Information Systems and Operations

01/2014 to 05/2014

Emory University Goizueta Business School

- Engineered and implemented a graduate-level curriculum on advanced information systems and operations management, emphasizing strategic technology adoption and operational efficiency.
- Integrated real-world case studies and emerging IT frameworks to enhance students' understanding of digital transformation and data-driven decision-making.
- Mentored students in applying analytics, process optimization, and technology strategy to complex business challenges.
- Partnered with faculty and industry experts to align course content with contemporary business and technology trends.

Senior Research Associate

01/2012 to 12/2013

Center for International Strategy, Technology, and Policy (CISTP), Georgia Tech

Atlanta, GA

- Orchestrated research initiatives and grant acquisition to advance CISTP's mission as a leading think tank in nuclear strategic stability, energy policy, and cybersecurity.
- Curated and published high-impact policy analyses, leveraging social media and digital platforms to enhance Track II diplomacy and global stakeholder engagement.
- Directed cross-disciplinary projects on sustainable energy and global cybersecurity, translating complex technological and policy issues into actionable insights.
- Championed innovative uses of information technology for development, positioning CISTP as a recognized authority in applied IT strategies for international affairs.

Faculty Associate

08/2001 to 12/2011

Arizona State University

Polytechnic Campus

- Engineered and implemented courses in the Science, Technology, and Society program, examining the transformative impact of the Internet, nanotechnology, and applied genomics.
- Investigated innovation in the telecommunications industry, U.S.–China intellectual property dynamics, and global collective intelligence systems.
- Guided interdisciplinary student research projects, applying emerging technologies to societal, economic, and policy challenges.
- Authored and disseminated scholarly publications, case studies, and curriculum materials that positioned ASU as a leader in technology-driven education and innovation studies.

Candidate

- Campaigned to advance technology-driven solutions for sustainable development, positioning Arizona as a national leader in global sustainability initiatives.
- Analyzed economic and real estate market trends to inform policy proposals addressing regional financial vulnerabilities.
- Advocated for innovation in infrastructure and technology adoption as a tool for economic resilience and environmental stewardship.
- Engaged constituents, stakeholders, and thought leaders to raise awareness of technology's role in shaping policy and sustainable growth.

Research Assistant**01/1996 to 01/2001****MOSAIC Group**

- Developed and executed a methodological framework for assessing national Internet diffusion.
- Conducted an in-depth case study on the adoption and growth of the Internet in China, providing insights into technological, economic, and policy drivers.
- Synthesized complex data into actionable research reports for academic, governmental, and industry stakeholders.

International Policy Editor**01/1995 to 06/2001****Commercial Internet Exchange (CIX)**

- Monitored and analyzed U.S. Congressional telecommunications and Internet legislation, translating regulatory developments into actionable guidance for member ISPs.
- Tracked policy implementation across the FCC, federal courts, and state commissions, ensuring industry alignment with emerging legal and regulatory frameworks.
- Reported on international Internet and copyright policy at WIPO and telecom standards discussions at ITU.

Global Network Sales Engineer / Senior Research As**06/1990 to 10/1992****GE Information Services**

- Engineered tailored network solutions for global clients, integrating emerging technologies to enhance corporate communications infrastructure.
- Collaborated with multinational sales teams to identify client requirements, develop technical proposals, and secure high-value contracts.
- Facilitated cross-functional coordination between engineering, sales, and client teams to ensure seamless implementation and adoption of network solutions.

Director of Federal Sales**01/1986 to 01/1990****Riverbend**

- Directed federal sales initiatives, engineering, and deploying Novell-based PC networks for the U.S. Congress, the Executive Office of the President, and 20 federal agencies, including the DIA, CIA, and NSA.
- Engineered secure and scalable networking solutions, tailored to mission-critical government operations.
- Led cross-functional teams in technical design, implementation, and client support, ensuring seamless integration and operational continuity.

Office of Congressman Jim Moody (D-WI)**02/984 to 11/1986****Director of Communications****United States Congress**

- Directed congressional communications strategy for a senior member of the House Ways and Means Committee, aligning messaging with tax policy priorities and long-term political objectives.
- Architected and managed computer-based information systems to support consensus-building among committee members on complex tax legislation.
- Supported political strategy aimed at elevating Congressman Moody's national profile and laying groundwork for a future U.S. Senate candidacy.

Legislative Secretary / Press Secretary**01/1982 to 01/1984****Office of Congressman Walter E. Fauntroy**

- Engineered a computer system to support a national Black leadership network, enabling coordinated advocacy for the MLK Bill and U.S. Sanctions on South Africa.
- Advised on foreign policy and legislative strategy, preparing briefings and policy recommendations that shaped congressional decision-making.
- Coordinated stakeholder engagement across political, civil rights, and international communities to advance legislative and policy objectives.

EDUCATION**Ph.D.: Global Internet****2001**

University of Arizona, Eller College of Management

Arizona

Bachelor of Arts: Religion**1982**

Williams College