

CURRICULUM VITAE

KRISHNA P. JAYAKAR

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ACADEMIC APPOINTMENTS

- 2017-date Full Professor (tenured), Department of Telecommunications, Donald P. Bellisario College of Communications, Pennsylvania State University, University Park.
- 2017-date Visiting Professor, School of Public Administration, University of Electronic Science and Technology of China, Chengdu, China
- 2018-2019 CITI Fellow, Columbia Institute for Tele-Information, Gabelli School of Business, Columbia University.
- 2016-date Affiliate Professor, School of International Affairs, Pennsylvania State University, University Park.
- 2013-date Co-Director, Institute for Information Policy, Penn State University
- 2007 (Spring) Visiting Associate Professor at the Indian Institute of Information Technology and Management, Thiruvananthapuram, India.
- 2005-2017 Associate Professor (tenured), Department of Telecommunications, College of Communications, Pennsylvania State University, University Park.
- 1999-2005 Assistant Professor (tenure-track), Department of Telecommunications, College of Communications, Pennsylvania State University, University Park.
- 1999 (Spring) Lecturer (part-time), Department of Telecommunications, Indiana University, Bloomington.

EDUCATION

- 1999 Ph.D. in Mass Communications, Department of Telecommunications, Indiana University, Bloomington, IN. Dissertation title: *Industry structure, regulatory choices, and the diffusion of telecommunication services: What governments can do to further universal service.*

Dissertation Committee: Dr. Harmeet Sawhney (Adviser), Dr. David Waterman and Prof. Michael Macgregor of the Department of Telecommunications, and Dr. Heejoon Kang, Kelley School of Business, Indiana University.

Doctoral Minor: Business Economics & Public Policy, Kelley School of Business, Indiana University, Bloomington.

- 1994 Master of Arts in Mass Communications. Department of Telecommunications, Indiana University, Bloomington, IN.
Thesis title: *Star over Asia: Governments and policy making in the era of international satellite broadcasting*. Adviser: Dr. Michael Curtin, Department of Telecommunications, Indiana University, Bloomington, IN.
- 1988 Bachelor of Technology in Mechanical Engineering. Institute of Technology, Banaras Hindu University, Varanasi, India.

PEER REVIEWED PUBLICATIONS

Tang, Z., Jayakar, K., Feng, X., Zhang, H., & Peng, R. X. (forthcoming). Identifying smart city archetypes from the bottom up: A content analysis of municipal plans. Telecommunications Policy.

Grzeslo, J., Bai, Y., Wang, R. Y., Min, B., & Jayakar, K. (forthcoming). From headline to lifeline: Does news set agenda for policy? Digital Policy, Regulation and Governance.

Mishra, S., & Jayakar, K. (2019). Remarriage in India: Online presentation strategies of men and women on an Indian remarriage website. Indian Journal of Gender Studies, 26(3), 309-335.

Grzeslo, J., Bai, Y., Min, B., & Jayakar, K. (2019). Is the 2014 E-Rate reform a game changer? An empirical analysis of Pennsylvania data. Digital Policy, Regulation and Governance, 21(2), 179-192.

Jayakar, K., & Park, E. (2019). Reforming the lifeline program: Regulatory federalism in action? Telecommunications Policy, 43(1), 67-75.

Jayakar, K. (2018). Media Policy. In A. B. Albarran, B. Mierzejewska, & J. Jung, (Eds.), Handbook of Media Management and Economics, 2nd Edition (pp. 176-200). New York: Informa UK.

Zhang, H., Tang, Z., & Jayakar, K. (2018). A socio-technical analysis of China's cybersecurity policy: Towards delivering trusted e-government services. Telecommunications Policy, 42, 409-420.

Jayakar, K., & Grzeslo, J. (2017). Local economic impacts of investments in community technology centers: An empirical investigation. Journal of Community Informatics, 13(1), 137-151.

Miao, M., & Jayakar, K. (2016). Mobile Payments in Japan, South Korea and China: Cross-border convergence or divergence of business models? Telecommunications Policy, 40(2-3), 182-196.

Liu, C., & Jayakar, K. (2016). Globalization, indigenous innovation and national strategy: Comparing China and India's wireless standardization. Technology Analysis and Strategic Management, 28(1), 76-95.

Jayakar, K., Liu, C., Madden, G., & Park, E. (2015). Promoting broadband and ICT access for persons with disabilities: International comparison of case studies. The Information Society, 31, 299-314.

Miao, M., & Jayakar, K. (2014). Bounded rationality and consumer choice: An evaluation of consumer choice of mobile bundles. Chinese Journal of Communications, 7(2), 191-211.

Jayakar, K., & Liu, C. (2014). The race between the dragon and the elephant: Comparing China and India's national broadband plans. Media International Australia, 151, 180-190.

Jayakar, K., & Liu, C. (2014). Universal service in China and India: Legitimizing the state? Telecommunications Policy, 38(2), 186-199.

Park, E., & Jayakar, K. (2013). Implementation of BTOP funding for public computing centers: Goal consensus and project performance. Government Information Quarterly, 30, 514-524.

Martin, B., & Jayakar, K. (2013). Moving beyond dichotomy: Comparing composite telecommunications regulatory governance indices. Telecommunications Policy, 37(9), 691-701.

Jayakar, K., & Park, E. (2013). Broadband availability and employment: An analysis of county level data from the National Broadband Map. Journal of Information Policy, 3, 181-200.

Dong, X., & Jayakar, K. (2013). The Baidu music settlement: A turning point for copyright reform in China? Journal of Information Policy, 3, 77-103.

Mishra, S., Monippally, M., & Jayakar, K. (2013). Self presentation in online environments: A study of Indian Muslim matrimonial profiles. Asian Journal of Communications, 23(1), 38-53.

Jayakar, K. (2012). Between markets and mandates: Approaches to promoting broadband access for the disabled. Washington, DC: Time Warner Cable Research Program in Digital Communications.

Jayakar, K., & Martin, B. (2012). Regulatory governance in African telecommunications: Testing the resource curse hypothesis. Telecommunications Policy, 36(9), 691-703.

Liu, C., & Jayakar, K. (2012). The evolution of telecommunications policy-making: Comparative analysis of China and India. Telecommunications Policy, 36(1), 13-26.

Jayakar, K., & Park, E. (2012). Funding public computing centers: Balancing broadband availability and expected demand. Government Information Quarterly, 29, 50-59.

Jayakar, K. (2011). The Conditional Access System: The dynamics of a la carte pricing for cable television in India. International Journal of Communication, 5, 1502-1522.

Jayakar, K. (2011). Promoting universal broadband through middle mile institutions: A legislative agenda. Journal of Information Policy 1, 102-124.

Park, E., & Jayakar, K. (2010). Patterns of E-Rate funding to school districts: An eight-state comparison. Info: The journal of policy, regulation and strategy for telecommunications, information and media, 12(3), 46-58.

Jayakar, K., & Park, E. (2009). Impact of school district demographics and financial status on E-Rate funding: Analysis of Pennsylvania data for 1999 and 2004. Telecommunications Policy, 33, 54-67.

Jayakar, K. (2008). The internet domain name system. In H. Bidgoli (Ed.), The Handbook of Computer Networks, vol. 2 (pp. 305-319). Hoboken, NJ: John Wiley

Sawhney, H. & Jayakar, K. (2007). Universal Access. Annual Review of Information Science and Technology 41, 159-221.

Jayakar, K. (2004). Reforming the E-Rate. Info: The journal of policy, regulation and strategy for telecommunications, information and media, 6 (1), 37-51.

Jayakar, K., & Sawhney, H. (2004). Universal service: Beyond established practice to policy space. Telecommunications Policy, 28 (3-4), 339-357.

Jayakar, K. (2003). Cross-sectoral differences in intellectual property enforcement in developing countries: The role of state-industry linkages. The Information Society Journal, 19, 155-169.

Hoag, A, Jayakar, K, & Erickson, K. (2003). Comparative evaluation of virtual and face-to-face interaction for team learning: Implications for technology adoption. Journalism & Mass Communication Educator, 57, 370-383.

Waterman, D., & Jayakar, K. (2000). The competitive balance of the Italian and American film industries. European Journal of Communications, 15 (4), 501-528.

Jayakar, K., & Waterman, D. (2000). The economics of American theatrical movie exports: An empirical analysis. Journal of Media Economics, 13 (3), 153-169.

Waterman, D., & Jayakar, K. (1999). *Da che parte pende la bilancia della competizione fra l'industria cinematografica italiana e quella statunitense?* [Which side of the scale is heavier in the competition between the Italian and American cinematographic industries?] L'Industria, 20, 393-415.

Jayakar, K. (1999). Local exchange competition in early U.S. network development: Considerations for developing countries. Telecommunications Policy, 23 (5), 375-387.

Jayakar, K. (1997). The U.S.–China copyright dispute: A two–level games analysis. Communication Law & Policy, 2 (4), 527–561.

BOOK CHAPTERS

Jayakar, K. (forthcoming). Open Government Data metrics: An international comparison (in Chinese). In B. Zhang (Ed.), *Network Comprehensive Governance Capability*. Beijing, China: BUPT Press.

Mishra, S. & Jayakar, K. (2016). Promoting cause awareness on social media in the Indian context: Celebrity cancer survivors reach out on Twitter (Extended Abstract). In R.R. Thakur, S. Srivastava, S. Bhatia and J. Sharma (Eds.) *Social Media and Organizational Sustainability: Proceedings of the International Conference on the Role of Social Media in Organizational Stability*, pp. 3-6. New Delhi: Bloomsbury.

Jayakar, K., & Sims, A. (2009). The internet and digitization of public library services: Impact on universal access in local communities. In A. Albarran, A. Sanchez-Tabernero, & P. Faustino (Eds.), *Media as a driver of the information society: Economics, management, policies and technology impacts*, pp. 597-600. Lisbon, Portugal: Formal Press.

Jayakar, K. (2009). Universal service. In A. Schejter (Ed.), ... And communication for all: A policy agenda for the new administration, pp. 181-202. Lanham, MD: Lexington Books.

Translated and republished as: Jayakar, K. (2014). 普遍服务 (Universal service). In H. Zhou, B. Zhang, & R. Taylor (Ed.), *网络经济时代的信息政策 (Information policy in the age of the network economy)* (pp. 278-301). 北京 (Beijing): 电子工业出版社 (Publishing House of Electronics Industry).

Jayakar, K. & Waterman, D. (2008). The rise and fall of the Italian market. In P. McDonald & J. Wasko (Eds.), *The contemporary Hollywood film industry*, pp. 251-263. Malden, MA: Blackwell Publishing.

Constantin, C., Grigorovici, D., Jayakar, K., Taylor, R., & Schement, J. (2006). Infometrics: a structural equation modeling approach to information indicators and “e-readiness” measurement. In B. Preissl and J. Mueller (eds.), Governing Communications Networks: Connecting societies and Markets with IT. Amsterdam: Elsevier Science.

Jayakar, R., & Jayakar, K. (2000). Hegemonic frames and international news reporting: A comparative study of the New York Times coverage of the 1996 Indian and Israeli elections. In A. Malek, & A. Kavoori (Eds.), The global dynamics of news: Studies in international news coverage and news agenda (pp. 123-144). Greenwich, CT: Ablex Publishing.

Sawhney, H., & Jayakar, K. (1999). Universal service: Migration of metaphors. In S. Wildman, B. Cherry, & A. Hammond (Eds.), Making universal service policy: Enhancing the process through multidisciplinary evaluation (pp. 15-37). Mahwah, NJ: Lawrence Erlbaum.

NON-PEER REVIEWED PUBLICATIONS

Jayakar, K. (2018). Introduction to the special issue: Outreach to the scholarly community on the National Broadband Research Agenda: Overview of the workshop. *Journal of Information Policy*, 8, 227-231.

Jayakar, K. (2017). Universal broadband: Option, right or obligation? *Journal of Human Values*. 24(1), 11-24.

Jayakar, K. (2017). Economic Analysis. In J. Matthes, Jorg (Ed.), International Encyclopedia of Communication Research Methods. Hoboken, NJ: Wiley International.

Jayakar, K. (2017). Book Review: *Networking China*, by Yu Hong. *Journal of Information Policy*, 7, 419-422.

Jayakar, K. (2017). Is there room for broadband in the Trump infrastructure agenda? The Conversation.com, Available at <https://theconversation.com/is-there-room-for-broadband-in-the-trump-infrastructure-agenda-74881>

Jayakar, K. (2016, December 15). Will Donald Trump Be A Good President? Washington, DC: Wallethub.com. Available at <https://wallethub.com/blog/will-donald-trump-be-a-good-president/30384/#krishna-jayakar>

Jayakar, K., Maitland, C., Peha, J., Stover, S., & Bauer, J. (2016). Broadband 2021: Report of the Interdisciplinary Workshop on the Development of a National Broadband Research Agenda. University Park, PA: Institute for Information Policy. Available at http://comm.psu.edu/assets/uploads/Broadband_2021.pdf

Jayakar, K. (2015, March 13). Coming attractions: How long before most movies are translated from Chinese? *Reuters Blogs*. Thomson Reuters. <http://blogs.reuters.com/great-debate/2015/03/13/coming-attractions-how-long-before-most-movies-are-translated-from-chinese/>

Jayakar, K. (2015). Book review, *The Dynamics of Spectrum Management: Legacy, Technology, and Economics* by Rohit Prasad, V. Sridhar. *Journal of Information Policy*, 5, 67-70.

Jayakar, K. (2012, July 22). Unleashing the potential of broadband for everyone. Centre Daily Times, C1, C3.

Reprinted in the ITBHU Chronicle, July 2012 Edition, http://www.itbhuglobal.org/chronicle/archives/2012/07/dr_krishna_jaya.php

Jayakar, K., Schejter, A., & Taylor, R. (2010). Small businesses and broadband: Key drivers of economic recovery. University Park, PA: Institute for Information Policy. Available at http://comm.psu.edu/assets/uploads/Small_Business_WP.pdf

Jayakar, K., Schejter, A., & Taylor, R. (2009). The rural conundrum: Intrastate access charges in Pennsylvania. University Park, PA: Institute for Information Policy. Available at <http://comm.psu.edu/assets/uploads/Rural-Conundrum-Report.pdf>

Jayakar, K. (2007). Internet use: Education. In J. J. Arnett (Ed.), Encyclopedia of children, adolescents and the media. (pp. 433-436). Thousand Oaks, CA: Sage.

Schement, J. R., Frieden, R., Taylor, R. D., Jayakar, K., Brown, J., Forbes, S. C., & Sager, S. (2000) Parting the Waters: Toward a New Theory of Universal Service. Prepared by the Universal Service Working Group, Institute for Information Policy, Penn State University for the Ford Foundation.

Jayakar, K. (1998). Globalization and the legitimacy of international telecommunications standard-setting organizations. Indiana Journal of Global Legal Studies, 5 (2), 711–738.

GRANTS, AWARDS AND SPONSORED RESEARCH (Total Grants: \$358,824)

Maitland, C. (PI), and Jayakar, K. (co-PI) (2017). Supplementary to Interdisciplinary Workshop on the Development of a National Broadband Research Agenda. National Science Foundation, \$15,229.

Maitland, C. (PI), and Jayakar, K. (co-PI) (2016). Interdisciplinary Workshop on the Development of a National Broadband Research Agenda. National Science Foundation, \$76,145.

Jayakar, K. (2016) Grant for workshop on “Freedom of Information in Crisis Zones,” City University London, May 26-27, 2016, Center for Global Studies, Penn State University, \$5,000

Jayakar, K., (co-grantee), Schejter, A. (co-grantee), & Taylor, R. (co-grantee), (2013-16, 2017-19). Grant in aid of the Journal for Information Policy, Penn State Information Technology Services, \$30,000 per year (total \$120,000).

Jayakar, K. (PI) (2012), with Chun Liu, Gary Madden and Eun-A Park (co-PIs). A broadband bridge for the disability divide: What works and what does not. Pacific Telecommunications Council, \$41,200 (August 2012-May 2013).

Jayakar, K. (PI) (2012). Between markets and mandates: Approaches to promoting broadband access for the disabled. Time Warner Cable Research Program in Digital Communications, \$20,000 (January 2012 - June 2012).

Jayakar, K. P. (Core Faculty), College of Communications Summer Research Support Grant, College of Communications, Penn State, \$2,500. (funded: May 2011 - August 2011).

Jayakar, K., (PI), with Schejter, A., & Taylor, R. (2010). Small businesses and broadband: Key drivers of economic recovery, supported by a gift from Free Press Foundation, \$20,000.

Jayakar, K. (PI), Schejter, A. (PI), & Taylor, R. (PI) (2009). The rural conundrum: Intrastate access charges in Pennsylvania. Institute for Information Policy, supported by a gift from AT&T, \$57,500.

Jayakar, K. (PI) (1998) Estimation of the Cost of Constructing and Operating a Medium–Market Television Station in the United States, prepared for client at Ameritech Communications, Inc., Milwaukee, Wisconsin, August 1997, \$1,250.

REGULATORY FILINGS

Co-signatory, “Comments of Economists on Incentive Auctions for Spectrum Allocation” Submitted to the United States Congress, 2011

Jayakar, K., Schejter, A., & Taylor, R. (2010). Comment: Institute for Information Policy Report on Small Businesses and Broadband. Federal Communications Commission, In the Matter of Preserving the Open Internet Broadband Industry Practices, Proceeding No. 09-191. Available at Electronic Comment Filing System, <http://fjallfoss.fcc.gov/ecfs/>.

MEDIA COVERAGE

Joint Task Force on Diversity profiled by Mike Dawson, “Diversity task force aims to make Penn State more inclusive,” in *Centre Daily Times*, May 2, 2013. Available at <http://www.centredaily.com/2013/05/02/3602517/diversity-task-force-aims-to-make.html>

Research paper (Mishra, Monippally & Jayakar, 2013) profiled by Chitra Unnithan, “More Muslim women go online to find grooms, somewhat coyly: Study” *Times of India*, Ahmedabad edition, April 13, 2013. Available at http://articles.timesofindia.indiatimes.com/2013-04-13/ahmedabad/38510512_1_profiles-study-indian-muslim.

Interviewed on *Centre County Report*, WPSU-TV, on “Zero-TV Homes,” April 13, 2013. Full video available at <http://psucommedia.com/centre-county-report/story/zero-tv-homes>

Interviewed live on *World Insight* program of Central China Television, Beijing, on proposed new charges for Over-The-Top (OTT) services in China, April 7, 2013. Full program video available at <http://english.cntv.cn/program/worldinsight/20130408/100619.shtml>

Interviewed and cited as media economist by David Zurawik, “Writers may get a happy ending – Resuming talks with studios seen as gain,” *The Baltimore-Sun*, Sunday, November 18, 2007, Section Telegraph, p. 1A. Full text available in NewsBank, Access World News, record number 0711180011.

Keynote address at Mar Athanasios College for Advanced Studies (MACFAST) covered in “Competition will cut margin in BPO sector,” *The Hindu*, Madras edition, Tuesday, March 13, 2007. Full text available in NewsBank, Access World News, record number FHIN54803801.

PEER-REVIEWED CONFERENCE PRESENTATIONS

Min, B., Wang, R. Y., Bai, Y., Grzeslo, J., & Jayakar, K. (2019, September). Impact of free trade agreements on Internet domain name arbitration cases: A cross-national comparison of the Uniform Dispute Resolution Policy. Paper presented at the Telecommunications Policy Research Conference, Bethesda, MD.

Bai, Y., Grzeslo, J., Min, B., Wang, R., & Jayakar, K. (2019, September). Does accessible design benefit general users? The relationship between website usability and accessibility and implications for policy. Paper presented at the Telecommunications Policy Research Conference, Bethesda, MD.

Jain, R., Neogi, P., & Jayakar, K. (2019, September). A tale of two countries: Mobile communications, the Internet and the digital economy in China and India. Paper presented at the Telecommunications Policy Research Conference, Bethesda, MD.

Min, B., Bai, Y., Wang, R. Y., Grzeslo, J., & Jayakar, K. (2019, August 7). Can online news consumption predict election participation? A path analysis of predictors of local and national voting. Poster presented at the annual conference of the Association for Education in Journalism and Mass Communication, Toronto, Canada.

Uppal, C., & Jayakar, K. (2019, July 9). Competing Nationalisms: Biography as sites of memory and contest in the social media era. Paper presented at the International Association for Mass Communications Research Convention, Madrid, Spain.

Wang, R., Bai, Y., Min, B., Grzeslo, J., & Jayakar, K. (2019, July 11). Transnational capital and national legal regimes: Analysis of Internet domain name disputes in India. Paper presented at the International Association for Mass Communications Research Convention, Madrid, Spain.

Grzeslo, J., Bai, Y., Wang, Y., Min, B., & Jayakar, K. (2019, May 25). From headline to Lifeline: Does news set agenda for policy? Paper presented at the International Communication Association Annual Convention, Washington, DC.

Park, E., & Jayakar, K. (2019, May 26). Competitive responses of audiovisual producers to emerging OTT video distribution. Paper presented at the International Communication Association Annual Convention, Washington, DC.

Mishra, S., & Jayakar, K. (2018, October 20). Seeking second chances: Online presentation strategies of men and women on an Indian remarriage website. Paper presented at the Global Fusion conference, Charlottesville, VA.

Min, B., Grzeslo, J., Bai, Y., & Jayakar, K. (2018, October 20). Texting Alone? The relationship between social media news consumption and local community engagement. Paper presented at the Global Fusion conference, Charlottesville, VA.

Grzeslo, J., Bai, Y., Min, B., & Jayakar, K. (2018, September 21). Is the 2014 E-Rate reform a game changer? An empirical analysis of Pennsylvania data. Paper presented at the Telecommunications Policy Research Conference. Bethesda, MD. Available at SSRN: <https://ssrn.com/abstract=3142112>

Zhang, H. Jayakar, K., & Tang, Z. (2018, September 21). From lofty guarantees to basic protections: Benchmarking privacy and data protection standards in Chinese government programs. Paper presented at the Telecommunications Policy Research Conference. Bethesda, MD. Available at SSRN: <https://ssrn.com/abstract=3142276>

Feng, X., Jayakar, K., Zhang, H., & Tang, Z. (2018, June). Does the adoption of information and communication technologies improve the subjective well-being of citizens? A micro-level and city-level empirical investigation. Paper presented at the International Telecommunications Society convention, Seoul, South Korea.

Jain, R., Jayakar, K., Liu, C, Mariscal Aviles, J., & Neogi, P. (2018, June). Mobile communications, the Internet and the digital economy: Comparisons and lessons from three major developing countries - China, India, and Mexico. Paper presented at the International Telecommunications Society convention, Seoul, South Korea.

Tang, Z., Jayakar, K., Feng, X., Zhang, H., & Peng, X. (June 2018). Conceptualizing implementation frameworks from the bottom up: A content analysis of smart city plans. Paper presented at the International Telecommunications Society convention, Seoul, South Korea.

Bai, Y., Grzeslo, J., Min, B., & Jayakar, K. (2018, May). What factors affect the accessibility of government websites? An empirical analysis on U.S. county government online portals. Poster presented at the International Communication Association Annual Convention, Prague, Czech Republic.

Jayakar, K., Tang, Z., Zhang, H., & Bai, Y. (September 2017). Web accessibility standards as organizational innovations: An empirical analysis in a developing country context. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Zhang, H., Tang, Z., & Jayakar, K. (September 2017). A socio-technical analysis of China's cybersecurity policy: Towards delivering trusted e-Government services. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K., & Park, E. (August 2017). Reforming the Lifeline program: Regulatory federalism in action? Paper presented at the annual conference of the Association for Education in Journalism and Mass Communication, Chicago, IL.

Miao, M., Zhu, X., & Jayakar, K. (August 2017). Consumer choice of mobile service bundles: An application of the Technology Readiness Index. Paper presented at the annual conference of the Association for Education in Journalism and Mass Communication, Chicago, IL.

Jayakar, K., & Park, E. (September 2016). A lifeline for Lifeline: Evaluating the impacts of the 2012 Reforms. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Mishra, S., & Jayakar, K. (February 2016). Promoting Cause Awareness on Social Media in the Indian Context: Celebrity Cancer Survivors Reach Out on Twitter. Paper presented at the International Conference on the Role of Social Media for Organizational Sustainability, February 12-13, 2016, New Delhi, India.

Jayakar, K., & Park, E. (January 2016). You can't compete with free: The effect of over-the-top services on traditional carrier revenues. Paper presented at the Pacific Telecommunications Council Annual Convention, Honolulu, Hawaii.

Jayakar, K., & Grzeslo, J. (September 2015). Local Economic Impacts of Investments in Community Technology Centers: An Empirical Investigation. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Park, E., & Jayakar, K. (September 2015). Competition between Standards and the Prices of Mobile Telecommunication Services: Analysis of Panel Data. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K., & Park, E. (August 2014). Over-The-Top services on mobile networks: Lessons from an international comparison of regulatory regimes. Paper presented at the annual conference of the Association for Education in Journalism and Mass Communication, San Francisco, CA.

Jayakar, K., & Park, E. (September 2014). Emerging frameworks for regulation of Over-The-Top services on mobile networks. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Liu, C., & Jayakar, K. (2014). The race between the Dragon and the Elephant: Comparing China and India's National Broadband Plans. Paper presented at the International Association for Media and Communication Research Annual Convention, Hyderabad, India.

Dong, X., & Jayakar, K. (January 2014). Access to government information in China and India: Legal frameworks, technologies and integration with e-government websites. Paper presented at the Pacific Telecommunications Council Annual Convention, Honolulu, Hawaii.

Liu, C., & Jayakar, K. (January, 2014). Industry structure, innovation and standardization strategies: Analysis of telecommunication standard-setting in China and India. Paper presented at the Pacific Telecommunications Council Annual Convention, Honolulu, Hawaii.

Miao, M., & Jayakar, K. (January, 2014). Design characteristics for over-the-top applications for mobile healthcare information: Findings from theory and research. Paper presented at the Pacific Telecommunications Council Annual Convention, Honolulu, Hawaii.

Dong, X., & Jayakar, K. (September, 2013). Can we can spam?: A comparison of national spam regulations. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Miao, M., & Jayakar, K. (September, 2013). Bounded rationality and consumer choice: An evaluation of consumer choice of mobile bundles in China. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K., & Park, E. (September 2013). Broadband and unemployment: Analysis of cross-sectional data for U.S. counties. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Lee, J., & Jayakar, K. (September, 2013). Free Wi-Fi Networks: A Comparative Study of the impact of policy and public-private collaboration on wireless broadband in the United States, South Korea, and Finland. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Liu, C., & Jayakar, K. (September, 2013). Globalization, indigenous innovation and national strategy: Comparing China and India's wireless standardization. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Miao, M., & Jayakar, K. (August, 2013). Bounded rationality and consumer choice: An evaluation of consumer choice of mobile bundles. Paper presented at the annual conference of the Association for Education in Journalism and Mass Communication, Washington, DC.

Jayakar, K., Liu, C., Madden, G., & Park, E. (August, 2013). Promoting broadband and ICT access for persons with disabilities: International comparison of case studies. Paper presented at the poster session of the Mass Communications and Society Division, Association for Education in Journalism and Mass Communication, Washington, DC.

Jayakar, K., Liu, C., Madden, G., & Park, E. (January, 2013). A broadband bridge for the disability divide: What works and what does not. Paper presented at the Pacific Telecommunications Council Annual Convention, Honolulu, Hawaii. **Winner, Meharoo Jussawala Prize for top research paper.**

Jayakar, K., Liu, C., Madden, G., & Park, E. (November 2012). Promoting broadband access for persons with disabilities in the Asia-Pacific region: The government's role. Paper presented at the International Telecommunications Society Annual Convention, Bangkok, Thailand.

Dong, X., & Jayakar, K. (September 2012). The Baidu music settlement: A turning point for copyright reform in China? Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K. (September 2012). Bridging the disability divide: Success factors and challenges. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K., & Liu, C. (September 2012). Universal service in China and India: Legitimizing the state? Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Martin, B., & Jayakar, K. (September 2012). Moving beyond dichotomy: Construction and testing of a composite Telecommunications Regulatory Governance Index. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K., & Park, E. (September 2012). Broadband deployment and employment: An analysis of county level data from the National Broadband Map. Paper presented at the workshop, "Is it working? Evaluating and assessing broadband policy," New America Foundation, Washington, DC.

Jayakar, K., & Park, E. (May, 2012). Cable broadband and employment generation: Evidence from county-level data. Paper presented at the Academic and Cable Telecommunications (ACT) Forum, at the National Cable Telecommunications Association Annual Convention, Boston.

Jayakar, K. (September, 2011). Securing disability rights in telecommunications: Interest group mobilization or reframing the policy discourse? Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K., & Martin, M. (September, 2011). Regulatory governance in African telecommunications: Testing the Resource Curse Hypothesis. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Park, E., & Jayakar, K. (September, 2011). Implementation of BTOP funding for Public Computing Centers: Perspectives from principal-agent theory. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Mishra, S., Monippally, M., & Jayakar, K. (August 2011). Self presentation in online environments: A study of Indian Muslim matrimonial profiles. Paper presented at the annual conference of the Association for Education in Journalism and Mass Communication, St Louis, MO, USA. **Third place Robert L. Stevenson Faculty Paper competition, International Communications Division.**

Jayakar, K. (June, 2011). Universal access to audiovisual content for the disabled: A review of the 2010 Communications and Video Accessibility Act. Paper presented at the Academic and Cable Telecommunications (ACT) Forum, at the National Cable Telecommunications Association Annual Convention, Chicago.

Liu, C., & Jayakar, K. (January, 2011). The evolution of telecommunications policy-making: Comparative analysis of China and India. Paper presented at the Pacific Telecommunications Conference, Honolulu, HI.

Jayakar, K. (October 2010). A fistful of dollars: Corporatization of Indian film production and the emergence of the diaspora film. Paper presented at the Union for Democratic Communications Annual Convention, State College, PA.

Jayakar, K., & Park, E. (October 2010). Funding public computing centers: Balancing broadband availability and expected demand. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Taylor, R., Jayakar, K., & Schejter, A. (October 2010). "Access Stimulation": Subsidizing Rural Customers with Porn, or Saving Rural Service? Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K., Taylor, R., & Schejter, A. (August 2010). Modeling access charge reform: Achieving parity between interstate and intrastate long-distance telephony. Paper presented at Media Management and Economics Division of the Association for Education in Journalism and Mass Communications Annual Convention, Denver.

Kim, S.W., & Jayakar, K. (August 2010). The impact of competition on universal service in Korea: A case study. Paper presented at the Law and Policy Division of the Association for Education in Journalism and Mass Communications Annual Convention, Denver.

Jayakar, K. (June, 2010). Small mergers and acquisitions in the U.S. telecommunications industry, 1996-2006. Paper presented at the World Media Economics and Management Conference, Bogota, Colombia, June 4-6, 2010.

Jayakar, K. (May, 2009). The conditional access system: The dynamics of *a la carte* pricing for cable in India. Paper presented at the International Conference New Media and Information: Convergences and Divergences, May 6-9, Athens, Greece

Jayakar, K. (September, 2008). The conditional access system: The political economy of India's cable carriage regulation. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Park, E., & Jayakar, K. (September, 2008). Patterns of E-Rate funding to school districts: An eight-state comparison. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K., & Sims, A. (May, 2008). The internet and digitization of public library services: Impact on universal access in local communities. Presented at the World Media Economics and Management Conference, Lisbon Portugal, May 18-22, 2008.

Park, E., & Jayakar, K. (May, 2007). The rural conundrum: Examining E-Rate implementation in rural America. Presented at the International Communication Conference, San Francisco CA.

Jayakar, K., & Park, E. (October, 2006). Impact of school district demographics and financial status on E-Rate funding. Presented at the Telecommunications Policy Research Conference, Washington, DC.

Sawhney, H., & Jayakar, K. (October, 2005). Universal Access: Precedents, Prevarications and Progress. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Grigorovici, D.M., Constantin, C., Jayakar, K., Taylor, R.D., & Schement, J. R. (October 2004). InfoMetrics: A Structural Equation Modeling approach to information indicators and 'e-readiness' measurement. Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K. (October, 2004). The internet Domain Name System: Private property or public resource? Paper presented at the Telecommunications Policy Research Conference, Washington, DC.

Grigorovici, D.M., Constantin, C., Jayakar, K., Taylor, R.D., & Schement, J. R. (September 2004). InfoMetrics: A Structural Equation Modeling approach to information indicators and 'e-readiness' measurement. Paper presented at the International Telecommunications Society (ITS) 15th Biennial Conference, Berlin, Germany.

Jayakar, K. (August 2004). The E-Rate Program: A School Menu of Choices. Paper presented in the Communication Technology and Policy Division of the Association for Education in Journalism and Mass Communications Annual Convention, Toronto, Canada.

Grigorovici, D. M. , Constantin, C., Jayakar, K., Taylor, R. D., & Schement, J. R. (May, 2004). Towards reliable e-readiness measurement: A structural equation modeling approach. Paper to be presented at the poster session of the Information Systems Division at the International Communication Association annual convention, New Orleans, Louisiana.

Jayakar, K., & Sawhney, H. (September, 2003). Universal service: Beyond established practice to possibility space. Presented at the Telecommunications Policy Research Conference, Alexandria, Virginia.

Jayakar, K., & Sawhney, H. (July-August, 2003). Universal Service: Expanding the 'possibility space' of policy discourse. Presented at the Association for Education in Journalism and Mass Communications Annual Convention, Kansas City, Missouri.

Jayakar, K., Hoag, A., & Erickson, K. (September, 2002). Virtual teamwork in education: Implications for technology adoption. Presented at the Telecommunications Policy Research Conference, Alexandria, Virginia.

Hoag, A., Jayakar, K., & Erickson, K. (August, 2002). Comparative evaluation of virtual and face-to-face interaction for teamwork: Implications for technology adoption in education. Presented at the Association for Education in Journalism and Mass Communications Annual Convention, Miami, Florida.

Jayakar, K. (September, 2000). Selective enforcement of intellectual property law in developing countries: The influence of state-industry linkages and level of innovation. Presented at the Telecommunications Policy Research Conference, Alexandria, Virginia.

Jayakar, K. (September, 2000). The impact of telecommunications reform on residential teledensity: Analysis of cross-country panel data. Presented at the Telecommunications Policy Research Conference, Alexandria, Virginia.

Waterman, D., & Jayakar, K. (September, 2000). The competitive balance of the Italian and American film industries. Presented at the Telecommunications Policy Research Conference, Alexandria, Virginia.

Jayakar, K., & Sawhney, H. (June, 2000). Universal service: Conceptualizing an evolving ideal. Presented at the International Communication Association Annual Convention, Acapulco, Mexico.

Jayakar, K., & Waterman, D. (1999, August). The economics of American movie exports: An empirical analysis. Presented at the Association of Education in Journalism and Mass Communications Annual Convention, New Orleans. **First place, faculty paper competition.**

Jayakar, K. (1999, May). Competition and teledensity: An econometric analysis. Presented at the International Communication Association Annual Convention, San Francisco.

Waterman, D., & Jayakar, K. (1999, January). Cultural sovereignty and the economics of American movie exports. Presented at the Workshop in Political Theory and Policy Analysis, Indiana University, Bloomington.

Jayakar, K., & Waterman, D. (1998, October). The economics of American movie exports: An empirical analysis. Telecommunications Policy Research Conference, Washington, D.C.

Sawhney, H., & Jayakar, K. (1998, July). Comparative study of state-wide networking in Iowa and North Carolina. International Association for Media and Communication Research Conference, Glasgow, Scotland.

Jayakar, K. (1997, July). The U.S.–China copyright dispute: Perspectives from two-level games. International Communication Division, Association of Education in Journalism and Mass Communications Convention, Chicago. **Second place award, Markham student paper competition.**

Jayakar, K., & Sawhney, H. (1997, July). Universal service: Elusive goals and incremental processes. International Association for Media and Communication Research Conference, Oaxaca, Mexico.

Jayakar, K. (1996, April). Cable and satellite broadcasting in Asia: A comparative study of four broadcasting systems. International Communication Division, Broadcast Education Association Convention, Las Vegas. **Second place award, open category.**

Sawhney, H., & Jayakar, K. (1996, October). Universal service: Migration of metaphors. Telecommunications Policy Research Conference, Solomons, Maryland.

Jayakar, K. (1993, April). National responses to international satellite broadcasting: The case of Star TV. International Communication Division, Broadcast Education Association Convention, Las Vegas. **First place award, debut category.**

INVITED PRESENTATIONS

Neogi, P., Bohlin, E., Jain, R., Jayakar, K., Mariscal Aviles, J., & Whalley, J. (2019, September 20). Invited Panelist. To 5G or not to 5G? That is the question: Mobile broadband network developments in Europe, China, India and Mexico. Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K. (2019, June 13). Open government data and e-government initiatives: An international comparison. Invited paper presented at the Network Comprehensive Governance Capability Seminar, School of Economics and Management, Beijing University of Posts and Telecommunications, Beijing, China.

Neogi, P., Whalley, J., Alvarez, C. L., Jayakar, K., & Jain, R. (2018, September 21). Invited panelist. Mobile communications, the Internet and the digital economy: Comparisons and lessons from three major developing countries. Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K. (2018, June 29). Near-term prospects for net neutrality in the United States: A prognosis. Korea Telecom Management and Economics Research Institute, Seoul, South Korea.

Jayakar, K. (2017, October 19). Competing nationalisms in the age of social media. Geomedia Research Group Speaker Series, Karlstad University, Karlstad, Sweden.

Jayakar, K. (2017, June 15). Graduate study in the United States. School of Political Science and Public Administration, University of Electronics Science and Technology of China, Chengdu, China.

Jayakar, K. (2017, February 9). Broadband inequalities and economic development: The rationale for digital inclusion. School of International Affairs Colloquium, Penn State University, University Park.

Jayakar, K. (2016, July 18). Publishing in Western journals. School of Political Science and Public Administration, University of Electronics Science and Technology of China, Chengdu, China.

Jayakar, K. (2016, February 25). Digital divides and digital opportunities: ICTs and economic development. School of International Affairs Colloquium, Penn State University, University Park.

Jayakar, K. (2016, January 17). Universal service in the United States. Panel presentation at the Pacific Telecommunications Council Annual Convention, Honolulu, Hawaii.

Jayakar, K. (2014, November 12). Competition and network neutrality. Public Lecture delivered at Chongqing University of Posts and Telecommunication, Chongqing, China.

Jayakar, K., & Park, E. (2014 September). Broadband Technology Opportunities Program: Evaluating the process and the outcome. Panel presentation at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K. (2014, August 6). The FCC, the Broadcasters, and a Spectrum Auction Experiment. Professional Freedom and Responsibility panel, Media Management and Economics Division, Association for Education in Journalism and Mass Communications Annual Convention, Montreal, Canada.

Jayakar, K. (2014, January 19). OTTs and bottlenecks: The battle for access to the end user. Panel on Over-The-Top Content Providers and Universal Access. Pacific Telecommunications Council Annual Convention, Honolulu, Hawaii, January 19-23, 2014.

Jayakar, K. (2013, June 20). Do's and don't's for publishing in Western journals. School of Economics and Management, Southwest Jiaotong University, Chengdu, China.

Jayakar, K. (2013, June 20). Comparative methods in international business studies: Goals, methods and outcomes. School of Economics and Management, Southwest Jiaotong University, Chengdu, China.

Jayakar, K., & Martin, B. (2012, October 24). Africa's telecommunications revolution and the quality of regulatory institutions: Insights from the resource curse hypothesis. African Studies Program, Penn State University, University Park.

Jayakar, K. (2011, November 23). Broadband deployment policies and economic growth: Comparative evaluations of the United States, China and India. School of Economics and Management, Southwest Jiaotong University, Chengdu, China.

Jayakar, K. (2011, November 23). Graduate Education in the United States. Workshop on International Programs, School of Economics and Management, Southwest Jiaotong University, Chengdu, China.

Jayakar, K. (2011, November 22). India's information and communications technology sector: The role of government policy in aiding market growth. School of Economics and Management, Beijing University of Posts and Telecommunications, Beijing, China.

Jayakar, K. (2010, September 28-30). Universal broadband and middle mile institutions. Paper presented at the Experts Workshop on The Broadband Act of 2011: Designing a Communications Act for the 21st Century, New America Foundation, Washington, DC.

Jayakar, K. (2009, December 17). Invited panelist, Workshop on Video Relay Service Reform, Federal Communications Commission, Washington, DC.

Jayakar, K. (2009, April 15). Invited panelist, Critical Infrastructures Summit: The nation's infrastructure in crisis—Penn State's Response. University Park, PA

Jayakar, K. (2009, February 20). Information Technology and Development. Invited panelist at the Information Sciences and Technology Graduate Symposium, University Park, PA.

Jayakar, K. (2008). Universal service. Panel presentation of the Future of Communications Policy Working Group, Institute for Information Policy, at the National Communication Association Conference, San Diego, CA.

Jayakar, K. (2008). Universal service. Panel presentation of the Future of Communications Policy Working Group, Institute for Information Policy, at the Telecommunications Policy Research Conference, Washington, DC.

Jayakar, K. (2008). Creating Broadband Infrastructure: Can Local Institutions Lead? Presented on a panel co-sponsored by the Media Management and Economics Division and the Law Division of the Association for Education in Journalism and Mass Communications Annual Convention, Chicago.

Jayakar, K. (2008). Trends and issues in international telecommunications. Presented on a panel co-sponsored by the Media Management and Economics Division and the International Communication Division of the Association for Education in Journalism and Mass Communications Annual Convention, Chicago.

Jayakar, K. (2008). Universal Service. Panel presentation of the Future of Communications Policy Working Group, Institute for Information Policy, at the Media Reform Conference, Minneapolis, Minnesota.

Jayakar, K. (2008). Local institutions as broadband providers: A new paradigm for universal access? Colloquium at the Department of Telecommunications, Indiana University, Bloomington, March 21, 2008

Jayakar, K. (2008). Economic models of international film trade. Presented at the W. G. Pritchard Lab Seminar series, Department of Applied Mathematics, Penn State University, February 11, 2008.

Jayakar, K., & Sawhney, H. (2007). *Universal access in the information economy: Tracking policy innovations abroad*. Paper presented at the Briefing on Universal Service Reform for Congressional staffers, May 22, 2007, Washington, DC, Institute for Information Policy Project on Universal Service sponsored by the Benton Foundation.

Jayakar, K. (2007). Prospects for the Indian information technology sector. Inaugural address for the Staff Development Program for MCA faculty members in All India Council for Technical Education (AICTE)-affiliated institutions in Kerala, Tamil Nadu, Andhra Pradesh and Karnataka, March 12, 2007, Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla, India.

Jayakar, K., & Sawhney, H. (2006). Universal access: The American experience versus the international experience with universal service. Benton Foundation Workshop on Universal Service, May 23-24, 2006.

Jayakar, K. (August, 2005). Mergers and acquisitions in the telecommunications industry, 1996-2003. Paper presented on a panel of the Media Management and Economics Division of the Association for Education in Journalism and Mass Communications Annual Convention, San Antonio, Texas.

Jayakar, K (July 2005). Policy choices for managing the internet domain name system: Internationalism and property rights. Presentation at the Indian Institute of Information Technology and Management, Thiruvananthapuram, India.

Jayakar, K. (August 2004). Causes and consequences of mergers and acquisitions in the wireline and wireless telecommunications industry, 1996-2003. Paper presented on a panel of the Media Management and Economics Division of the Association for Education in Journalism and Mass Communications Annual Convention, Toronto, Canada.

Jayakar, K. (August 2004). An economic analysis of file-sharing. Presentation on a panel of the Law Division of the Association for Education in Journalism and Mass Communications Annual Convention, Toronto, Canada.

Jayakar, K. (July-August 2003). Economic analysis of copyright term extension. Presentation on a panel of the Law Division of the Association for Education in Journalism and Mass Communications Annual Convention, Kansas City, Missouri.

CURRICULAR AND TRAINING MATERIAL

Two instructional booklets titled “New Communication and Information Technologies” and “The New World Information and Communication Order”, prepared for the Department of Mass Communication and Journalism, and released through the Department of Distance Education, University of Kurukshetra, Kurukshetra, India, 1994.

AWARDS AND HONORS

Deans’ Award for Excellence in Integrated Scholarship, College of Communications, Penn State University, 2016. Award included plaque and a \$1000 cash award.

Faculty Marshal of the College of Communications, Spring Commencement 2013 for student marshal Sarah Odette Battikh.

Deans’ Award for Excellence in Integrated Scholarship, College of Communications, Penn State University, 2013. Award included plaque and a \$1000 cash award.

Jayakar, K, Madden, G., Liu, C., & Park, E-A. Meharoo Jussawala Prize for the top research paper, Pacific Telecommunications Council Annual Convention, 2013.

Third place, Robert L. Stevenson Faculty Paper competition, International Communications Division, Association for Education in Journalism and Mass Communication, St Louis, MO, USA, August, 2011 (with S. Mishra, and M. Monippally).

College of Communications Summer Research Support Grant, \$2,500.

Faculty Marshal of the College of Communications, Fall Commencement 2010 for student marshal Jason Milnes.

President's Fund for Undergraduate Research, 2009. Guided undergraduate student Joo-Hee Park on research project, \$200.

Deans' Award for Excellence in Integrated Scholarship, College of Communications, Penn State University, 2004. Award included plaque and a \$1000 cash award.

Deans' Award for Excellence in Teaching, College of Communications, Penn State University, 2002. Award included plaque and a \$1000 cash award.

Summer Research Award, College of Communications, Penn State University, 2001, \$1,000

First Place Award in Faculty Paper Competition, Association of Education in Journalism and Mass Communication Convention, New Orleans, August 1999 (with Dr. David Waterman).

Second Place Award in James W. Markham Student Paper Competition, International Communications Division, Association of Education in Journalism and Mass Communication Convention, Chicago, July–August, 1997.

Second Place Award in International Communications Division Open Category, Broadcast Education Association Convention, Las Vegas, April 1996.

College of Arts and Sciences Graduate Student Travel Support Grant, Indiana University, 1996.

Fellowship of the Indiana University Graduate School, 1995–96, \$8,000.

First Place Award in International Communications Division Debut Category, Broadcast Education Association Convention, Las Vegas, April 1993.

PROFESSIONAL EXPERIENCE

Research Officer, Ministry of Information and Broadcasting, Government of India. January 1991–August 1992, February 1994–August 1995. Prepared position papers and briefs on many aspects of government media policy.

TEACHING EXPERIENCE

Graduate

COMM 580/585/597, Media and Telecommunications Industries, College of Communications, Penn State University. Graduate seminar on the application of microeconomic and industrial organization theory to analysis of media, telecommunications and information industries.

Undergraduate

COMM 310, Digital Media Metrics, measurement of online media, web analytics.

COMM 387/380, Introduction to Telecommunications Management, College of Communications, Penn State University. Introductory course in telecommunications management; deals with the operation and management of the broadcast, cable and telecommunications industries.

COMM 479, Telecommunications Networks, College of Communications, Penn State University. Course on the economics, regulation and policy aspects of large-scale telecommunications infrastructures such as telephone, cable, wireless networks and the internet.

COMM 488, Cable & New Technology Administration, College of Communications, Penn State University. An upper level telecommunications management course intended to develop student's ability to define problems; collect, evaluate and use information; and identify solutions in a team-based environment, using case studies.

COMM 497, Network Economics, College of Communications, Penn State University. Course on the economics, regulation and policy aspects of large-scale telecommunications infrastructures such as telephone, cable, and wireless networks and the internet.

COMM 497A, Entrepreneurial Journalism. Co-taught course with Journalism and Telecommunications faculty (J. Dillon, A. Hoag, C. Simmons, & W. Yurman), on starting up content distributions businesses.

First Year Seminars

PSU 009, "The Internet on Screen: How the movies portray the emerging information society", College of Communications, Penn State University. How Hollywood portrays the information society; value judgments and interpretive frames with which the Internet is depicted on screen; issues such as computer security, data protection and privacy

PSU 009, "Is Your Computer Snooping on You? The Internet and Privacy," College of Communications, Penn State University. Privacy on communication and information networks, personal data protection, e-mail security, consumer security and encryption.

PSU 009, "Cyberwar: National security in the age of global information networks," College of Communications, Penn State University. Security aspects of communication and information networks, information warfare, network security, and consumer fraud and privacy.

PSU 009, "How Hollywood Makes Money," College of Communications, Penn State University. Hollywood's business activities ranging from film production to distribution, including theatrical distribution, cable and pay-per-view sales, videocassette rentals and sales, merchandising, product placement, and multi-media spin-offs.

Other

Visiting Associate Professor, ITT 122, Economics of Information Technology and Telecommunications, Spring 2007. Indian Institute of Information Technology and Management, Thiruvananthapuram, India. Graduate course on the business and economic aspects of information technology and telecommunications, and their impact on development.

Lecturer (part-time), T313 Comparative Media Systems, Spring 1999, Department of Telecommunications, Indiana University. Course dealt with comparative study of organization, economics, regulation and programming philosophies of different national broadcasting systems.

Visiting Lecturer, 1994–95, Indian Institute of Mass Communication, New Delhi, India. Taught short-duration non-degree courses on communication theory, research methods, and development communication for middle-level civil servants and media professionals.

Visiting Lecturer, 1995, Department of Communication Technology and Management, University of Kurukshetra, Kurukshetra, India. Taught short-duration course on comparative broadcasting systems for graduate students in the mass media program.

COURSES AND PROGRAMS DESIGNED

Interdisciplinary graduate minor (doctoral and Master's) in ICT4D (with Dr. Shyam Sundar)

COMM 310, Digital Media Metrics, measurement of online media, web analytics.

COMM 489, Media Industries (with Dr. Anne Hoag). Senior level class on media and telecommunications management.

COMM 479, Telecommunications Networks. Course on the economics, regulation and policy aspects of large-scale telecommunications infrastructures such as telephone, cable, wireless networks and the internet.

COMM 585, Media and Telecommunications Industries. Graduate seminar on the application of microeconomic and industrial organization theory to analysis of media, telecommunications and information industries.

GRADUATE AND UNDERGRADUATE COMMITTEES

Doctoral

Doctoral Committee Chair

- Ryan Yang Wang
- Bungu Min
- Juyoung Lee (Co-chair with Matt Jackson July 2014-Jan. 2015, Chair, Jan.2015-,)
- Yang Bai (2019). *Time-space compression revisited: Examining the effect of internet use on cosmopolitanism, international online communication and trade.*
- Jenna Grzeslo (2018). *The role of M-Pesa in local economic development: A study of young entrepreneurs in Kenya.*
- Sangyong Han (2016). *Local broadcast television in the age of social media: Adoption and usages of Twitter.*
- Nivedita Chatterjee (co-chair with Amit Schejter) (2013). *The FCC's low power FM policy: Station Personnel's interpretation of policy objectives and its impact on implementation.*
- Sungwook Kim (2008). *Competition, Privatization, Convergence, and Universal Service: the case study of Korea.*
- Pinjia Liao (2007). *Digital television adoption timing and format choices of broadcast stations: Examining the dynamics of government-mandated standard transitions.*

Doctoral Committee Member

- Xue 'Snow' Dong (2016)
- Jian Cui (2014)
- Brandie Martin (2013)
- Ana Marcia Lacayo (2012)
- Keston Pierre (2008)
- Euna Park (2007)
- Youngshin Cho (2007)
- Bingchun Meng (2006)
- Joonho Hwang (2006)
- Chun Liu (2006)
- Hong Qiang (2006)
- Sangho Seo (2006)
- Sunghae Kim (2005)

Doctoral Committee External Member

- Jake Weidman, College of Information Sciences and Technology (2018)
- Mingzhe Sunny Tang, Department of Economics (2008)
- Nicolai Pogrebnyakov, College of Information Sciences and Technology (2008)

Masters

Graduate Committee Chair

- Patrick Baxter (2008). *A comparative study of the U.S. and Korean film industries: History, structure, and finance*
- Jennifer Melnick (2006). *E-books for children: What publishers can do to promote a healthy market*
- Christine Kleck (2006). *Chief executive officers: An examination of mediated portrayals of male and female American presidents in West Wing and Commander-in-Chief.*
- Benjamin Eisenberg (IUG) (2004). *Upward mobility: A multifaceted review of mobile telephony.*

Graduate Committee Member

- Steven Fiehler
- Kristin Winiarski (IUG) (2013)
- Tian Zhang (2012)
- Keston Pierre (2005)
- Margot Alcock (2001)

Undergraduate

Schreyer Honors College Adviser

- Ethan Zerbe
- Leen Obeidat

Schreyer Honors College Undergraduate Thesis Advisor

- Allyson Luscher (2001). *Dominant strategies and scheduling practices of broadcast primetime television.*

Schreyer Honors College Undergraduate Thesis Reader

- Alexandra Busalacchi (2015). *The Economics of Netflix: A Solid Foundation or a House of Cards?*
- Carly Mallenbaum (2011). *Pandora.com and the laws of streaming music*

PROFESSIONAL DEVELOPMENT

Attended two-day General Education Task Force Retreat, January 15-16, University Park

- Session chair and discussion leader, Faculty Risk Taking

Attended the all-day workshop, *Why General Education Matters*, organized by the Schreyer Institute for Teaching Excellence and Schreyer Honors College, October 31, 2013

- Panelist on the General Education Task Force Panel

Attended the National Cable and Telecommunications Association Annual Convention, June 10-12, 2013, Washington, DC.

Attended the all-day Student Learning Assessment Workshop, Penn Stater Conference Center, January 31, 2013

Participated in the "Broadband Adoption and Persons with Disabilities Inquiry Workshop," at the Federal Communications Commission. Washington, DC, December 7, 2011.

Participated in the University Ombudspersons Workshop organized by the University Faculty Senate, October 18, 2011.

Participated in the Faculty Activity Insight System Workshop, offered by Peter DeVries, Penn State Administrative Information Services, October 17, 2011.

Participated in the Annual Penn State Assessment Conference, University Park, January 8, 2009.

Participated in the Workshop on Research and Professional Ethics sponsored by the Office for Research Protections, Penn State University, April 7, 2006.

Successfully completed training program and earned Certification of Completion of the Penn State University Institutional Review Board's online training on the protection of human participants provided by the Office for Research Protections, May 2005.

Participated in the Disability Training Program for Faculty and Staff organized by Project Opportunity and Access, College of Education, Penn State University. The program aimed to provide participants with information on disability legislation and policies.

Participated in the workshop titled "Case Studies: A Sampling of Best Practices" at Penn State University, July 17, 2001.

Participant in the Penn State E-Business Research Consortium's Penn State E-Scholars Retreat, October 10, 2000, University Park, PA.

SERVICE TO THE UNIVERSITY

Member of the Open Access Task Force, 2017-19, charged by Provost Nicholas Jones.

Member of the Joint Committee on Insurance and Benefits, 2016-17 (nominee of University faculty Senate Chair, Jim Strauss).

Member of the Joint Diversity Awareness Task Force, constituted by President Rodney Erickson and University Faculty Senate Chair Larry Backer, 2013-2015.

Member of the University General Education Planning and Oversight Task Force, constituted by Provost Robert Pangborn and University Faculty Senate Chair-elect Brent Yarnal, 2013-2015.

- Co-Chair of the Sub-committee on Faculty and Staff for the General Education Planning and Oversight Task Force (November 2013-February 2014; on leave February 2014-date)

Elected representative of the College of Communications to the University Faculty Senate (2 terms, 2008-12 and 2012-16).

- Member of the Faculty Affairs Committee, 2008-09; Subcommittee on Faculty Development
- Member of the Faculty Affairs Committee, 2009-14; Subcommittee on Promotion, Tenure and Leave
- Member of the Joint Committee on Insurance and Benefits, 2014-16.
- Member of the Committee on Committees and Rules, 2015-16.

Member, University Graduate Council, Committee on Programs and Courses, 2006-08.

Member, University Faculty Advisory Committee on Academic Computing (FACAC), 2006-07.

Faculty reviewer of applications to the Schreyer Honors College, incoming class of 2008, 2009, 2010, 2011, 2012, 2015.

SERVICE TO THE COLLEGE

Faculty Coordinator, ICT4D Consortium, 2015-19

- Coordinated visits of Dr. Timothy X. Brown, Carnegie-Mellon, Rwanda and Dr. Sarah Revi Sterling, USAID/NetHope, to campus
- Led development of ICT4D Graduate Minor

Coordinator, Consortium on Media Policy Studies

- Coordinated the application process for doctoral summer internships

Co-Director, Institute for Information Policy - July 2013-date

- Co-Editor, Journal of Information Policy
- Organized workshops
 - "Taming and Nurturing the Wild Child: Government and Corporate Policies for Social Media" International Communication Association Annual Convention, Washington, D.C., May 24, 2019.
 - "Applying the Capabilities Approach to Media and Communication," International Communication Association Annual Convention, Prague, Czech Republic, May 24, 2018.
 - "Broadband Research in a Changing World: New Technologies, Ideologies and Priorities," American University, Washington, DC, September 10, 2017
 - "Legal and Policy Dimensions of Cybersecurity," School of Media and Public Policy, George Washington University, Washington, DC, September 27-29, 2016.
 - "Interdisciplinary workshop on the Development of a National Broadband Research Agenda," National Science Foundation, Arlington, VA, June 16-17, 2016.
 - "Freedom of Information in Crisis Zones," City University London, London, UK, May 26-27, 2016
 - "New Media, Old Money: Digital Technology, Social Media and the New Challenges to Campaigning and Democracy," The Embassy of Switzerland in the United States of America, Washington, DC, September 27-29, 2015.

- “Administrative v. Critical Research: Implications for Contemporary Information Policy Studies,” Preconference at International Communication Association Annual Convention, San Juan, Puerto Rico, 21 May, 2015.
- “Whose Information Is It Anyway? In Search of a New Balance,” New America Foundation, Washington, D.C., September 10-11, 2014
- “The Future of Broadband Regulation,” Federal Communications Commission, Washington, DC, May 29-30, 2014.
- “The Role of Advocacy in Media and Telecom Policy,” New America Foundation, Washington, D.C., September 29-October 1, 2013

Strategic Planning – 2014-15, Member of the Planning Groups on Assessment, International Programs, Research and Sustainability.

Ombudsperson (alternate) for the College of Communications, 2011-14

Committee Chair

Convener, College Promotion & Tenure Committee, 2012-13
 Chair of the Departmental Promotions and Tenure Committee, 2008-09.
 Chair, Search Committee, Department of Telecommunications, 2008
 Chair, College of Communications Sabbatical Committee, 2008-09
 Interim Chair, College of Communications Academic Integrity Committee, 2003-04.

Committee Member

Member of the Graduate Committee, 2017-19.
 Member, College Promotion & Tenure Committee, 2017-19
 Member of the Science Communications Faculty Search Committee, 2017-18.
 Member of the Departmental Promotions and Tenure Committee, 2005-11, 2015-16, 2017-18.
 Member of the Palmer Chair Search Committee, 2014-15
 Member representing the Department of Telecommunications, Faculty Activity Insight System Training committee, 2015
 Member, College Promotion & Tenure Committee, 2012-14
 Member of the Student Learning Assessment team for the Department of Telecommunications, 2007-12.
 Member of the Search Committee for Associate Dean for Graduate Studies, College of Communications, the Pennsylvania State University, 2010.
 Member of the College of Communications Scholarship Committee, 2007-10
 Member of the College of Communications Curriculum Committee, 2000-04, 2005-06.
 Member of the Graduate Admissions Committee, 2003-04
 Member of the Search Committee for Associate Dean for Undergraduate Studies, College of Communications, the Pennsylvania State University, 2003-04.
 Member of the Department of Telecommunications Library Committee, 2003-04.
 Member of the Telecommunications Faculty Search Committee, 2002-03, 2003-04.
 Member of the Pioneers Chair Search Committee, 2001-02

Member of the Committee on Advising, constituted by Associate Dean Robert Richards to study and report on the allocation of undergraduate advising responsibilities between faculty and full-time advisors in the College of Communications, 2001-02.

Student Organizations and Advising

Adviser for the College of Communications undergraduate team participating in the Google Online Media Challenge (GOMC), 2013.

Faculty Advisor for National Association of Minorities in Communications (NAMIC) Central Pennsylvania Chapter, the organization's student chapter at Penn State University, 2001-05 and 2013-date.

- Advised the chapter's Executive Board for organizing the First Career Development Mini-Conference conducted at the MBNA Career Center, Penn State University, April 17, 2004
- Coordinated and accompanied Chapter's Field Visit to New York City, March 18-19, 2004.
- Guided and accompanied combined tour of Women in Cable and Telecommunications (WICT) and NAMIC to Adelphia Communications, Coudersport, PA, April 2002.
- Coordinated and accompanied the student delegation to NAMIC's annual Urban Markets convention, New York City, September 10-13, 2001, September 22-24, 2002, September 14-17, 2003 and September 18-22, 2004.

Other

Faculty host for Dr. Shalini Narayanan and Dr. Sunetra Sen Narayan, October 2017.

Faculty host for Dr. Miao Miao, visiting scholar to the College of Communications, 2012-13.

Invited Panelist at the Conference Preparation Workshop, Graduate Students In Communications (GSIC) and Graduate Student Forum (GSF), March 17, 2011.

Faculty host for Professor Bin Zhang, visiting scholar to the College of Communications from Beijing Technological University, Beijing, China, 2003-04.

Faculty host for Bindu Menon Mannil, visiting Fulbright scholar to the College of Communications, 2003-04.

SERVICE TO THE FIELD

External Tenure Reviewer

External reviewer for promotion and tenure for candidate at University of Hawaii at Manoa, 2018.
External reviewer for promotion and tenure for candidate at Iona College, New Rochelle, NY.

Conference Committees

Member ex-officio, Executive Committee, Media Management and Economics Division, Association for Education in Journalism and Mass Communications, 2007-12.

- Drafted and secured member approval for a new Professional Freedom and Responsibility (PF&R) award
- Contributed article to Division newsletter, MME Record

Head, Media Management and Economics Division, Association for Education in Journalism and Mass Communications, 2006-07.

- Coordinated the Barry Sherman Teaching Award and the Robert Picard Award for Books and Monographs for 2006.
- Led the Division's activities in research, teaching and professional freedom and responsibility

Vice-Head and Chair, Program Committee, Media Management and Economics Division, Association for Education in Journalism and Mass Communications, 2005-06.

- Member, Executive Board of the Media Management and Economics Division, 2004-05
- In charge of scheduling the Media Management and Economics Division's panels, workshops and other program events for the 2006 AEJMC Conference

Chair, Research Committee, Media Management and Economics Division, Association for Education in Journalism and Mass Communications, 2004-05.

- Member, Executive Board of the Media Management and Economics Division, 2004-05
- In charge of the review of paper submissions for the 2005 AEJMC Conference
- Authored two articles for the MME Record, the Media Management and Economics Division Newsletter: *2005 Judges can opt to receive papers by e-mail* (Spring 2005 issue), and *Email introduced in paper competition: Judges express satisfaction, with some concern* (First Summer 2005 issue)

Vice-Chair, Program Committee, Media Management and Economics Division, Association for Education in Journalism and Mass Communications, 2004-05.

- Assisted the Chair, Program Committee in scheduling the Media Management and Economics Division's panels, workshops and other program events for the 2005 AEJMC Conference

Chair, Professional Freedom and Responsibility (PF&R) Committee, Media Management and Economics Division, Association for Education in Journalism and Mass Communications, 2003-04.

- Member, Executive Board of the Media Management and Economics Division, 2003-04
- Contributed input on Professional Freedom & Responsibility for the Media Management and Economics Division Annual Report, 2003-04
- Authored article titled *Emphasis on PF&R distinguishes AEJMC from other groups*, for the MME Record, the Media Management and Economics Division Newsletter, June 2004.

Vice-Chair, Professional Freedom and Responsibility (PF&R) Committee, Media Management and Economics Division, Association for Education in Journalism and Mass Communications, 2002-03.

Conference Reviewer

Discussant, Paper Session, South Asian Communication Association, International Communication Association Annual Convention, Washington DC, May 25-29, 2019.

Discussant, Institute for Information Policy Workshop, Wharton School of Business, University of Pennsylvania

Discussant, Scholar-to-Scholar session of the Media Management and Economics Division, Association for Education in Journalism and Mass Communication (AEJMC) Annual Conference, 2009.

Reviewer for the student paper competition of the Telecommunications Policy Research Conference, Alexandria, Virginia, 2000, 2001, 2003, 2005, 2007, 2009.

Reviewer of papers for the Association for Education in Journalism and Mass Communication (AEJMC) Annual Conference, Media Management and Economics Division, 2004, 2007, 2009.

Reviewer of abstracts for the Association for Education in Journalism and Mass Communication (AEJMC) Mid-Winter Conference, Media Management and Economics Division, 2004, 2006, 2007, 2008.

Discussant for peer-reviewed research paper session titled, "From Rupert Murdoch to the Oxygen Network: Diversity in the Cable and Satellite Industry around the World," Association for Education in Journalism and Mass Communication (AEJMC) Annual Conference, Media Management and Economics Division, 2006.

Discussant for Association for Education in Journalism and Mass Communication (AEJMC) Communication Technology and Policy Division's Joint Poster Session, Annual Convention, San Antonio, Texas, 2005.

Reviewer of papers for the Association for Education in Journalism and Mass Communication (AEJMC) Annual Conference, Communication Technology & Policy Division, 2004.

Reviewer of abstracts for the Association for Education in Journalism and Mass Communication (AEJMC) Mid-Winter Conference, Communication Technology and Policy Division, 2003.

Reviewer for the student paper competition of the MAC Division of the Association for Education in Journalism and Mass Communications Annual Convention, 2000, 2001

Service to Peer Reviewed Journals and Publications

Co-Editor, *Journal of Information Policy*, 2013-date.

Peer reviewer for Alan B. Albarran, *Management of Electronic and Digital Media*, 5th Edition. Belmont, CA: Thomson-Wadsworth, 2013

Member of the Board of Editors of the *Journal of Information Policy*, 2010-2013.

Associate Editor of *The Information Society* journal, 2007-to date.

Peer reviewer for book manuscript, *Media Management* by Joan van Tassel and Lisa Howfield, Focal Press, 2009

Reviewer for the *Handbook of Computer Networks*, Hossain Bidgoli (Ed.), 2006.

Member of the Editorial Review Board for the *Handbook of Media Management and Economics* (2006), Alan Albarran Sylvia-Chan Olmstead, & Michael O. Wirth (eds.), Lawrence Erlbaum.

Peer reviewer for Alan B. Albarran, *Management of Electronic Media*, 3rd Edition. Belmont, CA: Thomson-Wadsworth.

Reviewer for book proposal titled *Broadband Policy: Lessons from OECD Experience*, Lawrence Erlbaum, 2004

Reviewer for *The Internet Encyclopedia*, Hossain Bidgoli (Ed.), 2002-03.

Peer reviewer for the academic journals listed below alphabetically (year in which review was written in parenthesis):

- Asian Communications Research journal (2004)
- Communication Law & Policy journal (2002, 2003)
- Chinese Journal of Communications (2013)
- Digital Policy Regulation and Governance (2019)
- Economics of Innovation and New Technology (2018)
- Government Information Quarterly (2011, 2012, 2013)
- Information Economics and Policy (2005)
- International Journal of Communication (2016)
- International Journal of Media Management (2006, 2011)
- Journal of Communication (2002, 2011)
- Journal of Industrial Organization (2013)
- Journal of Information Policy (2011)
- Journal of Information Technology (2003)
- Journal of Media Economics (2002, 2003-2 papers, 2004-2 papers, 2006, 2007, 2009)
- Journalism and Mass Communications Quarterly (2010, 2014, 2015)
- Journal of Urban Technology (2016)
- Popular Communications journal (2009)
- Telematics & Informatics journal (2003, 2004, 2005)
- Telecommunications Policy (2008, 2011, 2012, 2013, 2014, 2016, 2017)

- The Information Society journal (1999, 2001, 2002, 2003-2 papers, 2005-2 papers, 2006, 2007)

INDUSTRY AND GOVERNMENT SERVICE

Member, National Steering Committee for the Academic and Cable Telecommunications Forum at the National Cable Telecommunications Annual Convention, organized by the Cable Center at the University of Denver, 2010-12

Chair/moderator for panel on “Act 183 of 2004 (Chapter 30) Revisited” at the 2010 Pennsylvania Broadband Summit, Harrisburg, PA, September 20-21, 2010.

Invited presenter at the Pennsylvania Cable Television Academy, 2000 organized by the Pennsylvania Cable Television Association. Presented paper titled “Cable Economics: A Primer”

Research Assistant, June 1998–January 1999, with Waterman Glass Associates for satellite retransmission royalty hearings before the U.S. Copyright Royalty Tribunal.

Research Officer, 1991–92 and 1994–95, Ministry of Information & Broadcasting, Government of India, New Delhi, India. Prepared research reports, presentations and briefs. Selected reports:

- Report on “Film Censorship in India”, written for the National Documentation Center for Mass Communications, New Delhi, India, for distribution at the International Film Festival of India at Bombay, India, 1994.
- Briefing Report on “Possible Programs of Collaboration between India and UNESCO’s International Program for the Development of Communications”, prepared for the Secretary, Ministry of Information & Broadcasting, Government of India, November 1994.
- Project Report on “Training Programs in Mass Communication for Officers of the Indian Information Service (IIS) during the Eighth Plan Period, September 1994–March 1997”, prepared for Research, Reference & Training Division of the Ministry of Information & Broadcasting, Government of India, September 1994.
- Briefing Report on “India’s Position at the 27th General Conference of UNESCO at Paris, November 1993, and Options for the Ministry of Information & Broadcasting”, prepared for the Ministry of Information & Broadcasting, Government of India, August 1994.

INSTITUTIONAL AFFILIATIONS

- Co-Director, Institute for Information Policy, Pennsylvania State University, 2013-date.
- Research Fellow, Institute for Information Policy, Pennsylvania State University, 2000-2013.
- Member, Association for Education in Journalism and Mass Communications (Media Management and Economics Division).
- Academic Member, Pacific Telecommunications Council