

Brandie Martin Nonnecke, PhD

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POSITIONS

Dec. 2018 – Present Founding Director, CITRIS Policy Lab, UC Berkeley

EDUCATION

Dec. 2013 – Dec. 2018 Postdoctoral Scholar, Research & Development Manager, & Program Director
CITRIS and the Banatao Institute, UC Berkeley

2013 PhD, Mass Communications (emphasis: Telecom Policy)
Pennsylvania State University

2010 MS, Journalism & Mass Communication
Minor: Technology and Social Change
Iowa State University

2008 BA, Design and Advertising
Iowa State University

FELLOWSHIPS

Nov. 2016 - Present World Economic Forum
Fellow, Global Future Council on Digital Economy & Society

Feb. 2016 - Present Women & Girls Lead Global, ITVS
womenandgirlslead.org
Senior Research Fellow

2011 - 2013 Institute for Information Policy, Pennsylvania State University
Research Fellow

AWARDS

2019 Young Emerging Scholar Award, International Conference on Knowledge, Technology, and Society

- 2018 RightsCon Young Leader in Human Rights & Tech
- 2018 Runner-up for the Pacific Telecommunications Council (PTC) Best Quality of Life Improvement Award, which recognizes a telecommunications product or network-centric ICT application that has had the most outstanding impact on improving the quality of life for people in the Pacific Rim.
- 2017-2018 UC Berkeley Chancellor's Award for Research in the Public Interest

PUBLICATIONS & PRESENTATIONS

Op-Eds & White Papers

Nonnecke, B., Gummi, M., Crittenden, C., Lindeman, D., & Gillette, D. (Sept. 25, 2018). *Putting AI to work: Technology and policy for enabling the workforce of the future*. CITRIS and the Banatao Institute.

Nonnecke, B. & Martin, E. (Feb. 26, 2018). *Will the next evaluation breakthrough come from online shopping?* Stanford Social Innovation Review.

Nonnecke, B. (Dec. 14, 2017). *Fight sexual harassment in technology companies with – technology*. Mercury News.

Nonnecke, B. (Nov. 2017). *Mobile broadband holds great promise for rural connectivity, but is it enough?* The Internet Society.

Nonnecke, B. (Sept. 2017). *Artificial intelligence can make our societies more equal*. Here's how. World Economic Forum.

Nonnecke, B. (Sept. 2017). *Risks of Recognition: The United Nations High Commissioner for Refugees is rolling out a new digital ID program with plenty of potential benefits – and major cybersecurity implications*. Context: By New America.

Nonnecke, B., Prabhakar, T., Brown, C., & Crittenden, C. (July 2017). *Inclusive AI: Technology and Policy for a Diverse Urban Future*. CITRIS and the Banatao Institute. tiny.cc/InclusiveAIReport

Nonnecke, B. (Feb. 3, 2017). *Listening, understanding are necessary to succeed*. Daily Californian. tiny.cc/dailycallisten

Nonnecke, B., Bruch, M., & Crittenden, C. (June 2016). *IoT & Sustainability: Practice, Policy, and Promise*. CITRIS and the Banatao Institute. tiny.cc/IoTSustainability

Nonnecke, B. (Jan. 2017). *Revolutionary Code: Why we need more conscious and collaborative social movement technologies*. Context: By New America. tiny.cc/revolutionarycode

Refereed Articles

Nonnecke, B., Mohanty, S., Lee, A., Lee, J., Beckman, S., Mi., J., Panpairoj, T., Ancheta, J., Martinez, H., Oco, N., Roxas, R., Crittenden, C., & Goldberg, K. (Under Review). *Malasakit 2.0: A Participatory Online Platform with Feature Phone Integration and Voice Recognition for Crowdsourcing Disaster Risk Reduction Strategies in the Philippines*. 2018 IEEE Global Humanitarian Tech Conference (GHTC). San Jose, CA.

Nonnecke, B. Mohanty, S., Lee, A., Lee, J., Beckman, S., Mi., J., Krishnan, S., Roxas, R., Oco, N., Crittenden, C., & Goldberg, K. (2017, October). *Malasakit 1.0: A Participatory Online Platform for Crowdsourcing Disaster Risk Reduction Strategies in the Philippines*. Proceedings of the IEEE Global Humanitarian Tech Conference (GHTC). San Jose, CA.

Meneses, M., Nonnecke, B., Martin del Campo, A., Krishnan, S., Patel, J., Kim, M., Crittenden, C., & Goldberg, K. (2017) Overcoming citizen mistrust and enhancing democratic practices: Results from the e-participation platform 'Mexico Participa.' *Information Technologies and International Development (ITID)*, 13, 138-154.

Epstein, D. & Nonnecke, B. (2016). Multistakeholderism in praxis: The case of the regional and national IGF initiatives. *Policy & Internet*, 8(2), 148-173. doi: 10.1016/j.telpol.2015.12.005

Nonnecke, B. (2016). The transformative effects of multistakeholderism in Internet governance: A case study of the East Africa Internet Governance Forum. *Telecommunications Policy*, 40(4), 343-352.

Dinesen, B., Nonnecke, B., Lindeman, D., Toft, E., Kidholm, K., Jethwani, K., Young, H., Spindler, H., Oestergaard, C., Southard, J., Gutierrez, M., Anderson, N., Albert, N., Han, J., Nesbitt, T. (2016). Personalized telehealth in the future: A research agenda. *Journal of Medical Internet Research*, 8(3).

Nonnecke, B.*, Krishnan, S.*, Patel, J., Zhou, M., Byaruhanga, L., Masinde, D., Meneses, M., Martin del Campo, A., Crittenden, C., & Goldberg, K. (October 2015). *DevCAFE 1.0: A participatory platform for assessing development interventions in the field*. Proceedings of the IEEE Global Humanitarian Technology Conference (GHTC). Seattle, WA. **[Recipient of 2015 IEEE GHTC Best Paper Award]**.

Patel, J., Gershoni, G., Krishnan, S., Nelimarkka, M., Nonnecke, B., & Goldberg, K. (August 2015). *A case study in mobile-optimized vs. responsive web application design*. Proceedings of the ACM International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI). Copenhagen, Denmark.

Zhou, M., Cliff, A., Huang, A., Krishnan, S., Nonnecke, B., Uchino, K., Joseph, S., Fox, A., Goldberg, K. (March 2015). *M-CAFE: Managing MOOC Student Feedback with Collaborative Filtering*. Proceedings of the 2nd ACM Conference on Learning At Scale (L@S 2015), Vancouver, BC, Canada

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

Olorunnisola, A. & Martin, B. (2013). Influences of media on social movements: Problematizing hyperbolic inferences about impacts. *Telematics & Informatics*, 30(3), 275- 288.

- Most frequently downloaded article for over 90 days in Telematics & Informatics (as of July 2013)

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

Martin, B. (2012). Hitting or missing African UAS objectives? An evaluation of universal access and service (UAS) policy guidelines for developing countries. *Communications & Strategies*, 86(2), 121-141.

Martin, B. & Abbott, E. (Winter 2011). Mobile phones and rural livelihoods: Diffusion, uses, and perceived impacts of uses among small- to medium-sized farm holders in Kamuli District, Uganda. *Information Technologies & International Development*, 7(4), 17-34.

Book Chapter

Nonnecke, B., Aitamurto, T., Catterson, D., Crittenden, C., Garland, C., Huang, A., Krishnan, S., Nelimarkka, M., Newsom, G., Patel, J., Scott, J., & Goldberg, K. (2016). The California Report Card v1.0. In E. Gordon & P.

Mihailidis (Eds.), *Civic Media: Technology, Design, Practice* (pp. 235 – 240). Cambridge, MA: MIT Press.

Martin, B. & Olorunnisola, A. (2013). Voicing dissent from Kenya to Egypt: How new ICTs can either be “liberation” or “repression” technologies. In A. Olorunnisola & A. Douai (Eds.), *New media influence on social and political change in Africa*. Hershey, PA: IGI Global.

Book Review

Martin, B. (2011). Review of *Communications research in action: Scholar-activist collaborations for a democratic sphere* edited by Philip M. Napoli and Minna Aslama. *Journal of Information Policy*, 1, 179-181.

Refereed Conference Presentations

Nonnecke, B., Nakhat, U., Martin del Campo, A., & Meneses, M. (21 Sept. 2018) *Tweeting at the Border Wall: The Role of Twitter in Shaping the Border Wall Debate*. Paper presented at the 2018 International Studies Association (ISA) West Conference, Pasadena, CA.

Nonnecke, B., Nakhat, U., Martin del Campo, A., Meneses, M., & Zarate, H. (29 May 2018). *Tweeting at the Border Wall: Twitter as a platform for transnational lobbying between the U.S. and Mexico*. Paper presented at the 2018 International Communications Association (ICA) post-conference “Lobbying and Democracy: The Voice of Communication.” Prague, Czech Republic.

Epstein, D. & Nonnecke, B. (26-27 April 2018). *Participation Matters: Potential Effects of the IGF on Internet Governance Capacity Building*. Paper presented at the 2018 GIG-ARTS Conference. Cardiff, UK.

Nonnecke, B. & Epstein, D. (May 2016). *Crowdsourcing Internet governance: Assessing effects of crowdsourcing platform design on Internet governance debates*. Paper presented at the ACM Special Interest Group on Computer-Human Interaction (CHI) Conference. San Jose, CA.

Zhou, M., Cliff, A., Krishnan, S., Nonnecke, B., Crittenden, C., Uchino, K., & Goldberg, K. (Sept. 2015). *Motivating and prioritizing ongoing student feedback during MOOCs and large on-campus courses using collaborative filtering*. Paper presented at ACM Special Interest Group for Information Technology Education Conference. Chicago, IL.

Nonnecke, B., Krishnan, S., Akula, A., Cliff, A., Huang, A., Lin, A., Nehama, S., Byaruhanga, L., Masinde, D., Crittenden, C., & Goldberg, K. (May 2015). *A mobile platform for participatory assessment of development programs*

and a case study in Uganda. Paper presented at the Humanitarian Technology Conference: Science, Systems and Global Impact. Boston, MA.

Nonnecke, B. (Nov. 2014). *Participatory action research methodologies for development evaluation.* USAID Higher Education Solutions Network (HESN) TechCon. San Francisco, CA.

Nelimarkka, M., Nonnecke, B., Krishnan, S., Aitamurto, A., Huang, A., Newsom, G., Gregory, C., Patel, J., Catterson, D., Crittenden, C., Scott, J., Garland, C., & Goldberg, G. (Sept. 2014). *Comparing three online civic engagement platforms using the “Spectrum of Public Participation” framework.* Paper presented at the University of Oxford: Internet, Policy, and Politics Conference on Crowdsourcing for Politics and Policy (IPP 2014). Oxford, UK.

Martin, B. (Nov. 2012). *Hitting or missing Africa’s telecommunication development targets? Evaluating the World Bank’s universal access and service policy recommendations for developing countries.* Paper to be presented at the National Communication Association, Orlando, FL.

Martin, B. & Jayakar, K. (Sept. 2012). *Moving beyond dichotomy: Construction and testing of a composite telecommunications regulatory governance index.* Paper presented at the Telecommunications Policy Research Conference, Arlington, VA.

Schejter, A. & Martin, B. (Sept. 2012). *If you build it – Will they come? Understanding the information needs of users of BTOP funded broadband Internet public computer centers.* Paper presented at the Telecommunications Policy Research Conference, Arlington, VA.

Hoag, A., Martin, B., & Dong, S. (Aug. 2012). *Making a splash on the first day of class: Creating and using short case studies.* Poster presented within the “Great Ideas for Teaching” poster session at the Association for Education in Journalism and Mass Communication, Chicago, IL.

Martin, B. (May 2012). *The revolution will be hyperbolized: Western media discourse of use of social media in the 2011 Egyptian revolution.* Paper presented at the annual meeting of the International Communications Association, Phoenix, AZ.

Martin, B. & Olorunnisola, A. (Nov. 2011). *Voicing dissent from Kenya to Egypt: How new ICTs can either be “liberation” or “repression” technologies.* Paper presented at the annual meeting of the National Communication Association, New Orleans, LA. Jayakar, K. & Martin, B. (2011, September).

Regulatory governance in African telecommunications: Testing the resource curse hypothesis. Paper presented at the Telecommunications Policy Research Conference, Arlington, VA.

Martin, B. & Olorunnisola, A. (Sept. 2011). *Use of new ICTS as “liberation” or “repression” technologies in social movements: the need to formulate appropriate media policies*. Paper presented at the Institute for Information Policy and New America Foundation Workshop, Washington, DC.

Martin, B. & Abbott, E. (March 2010). *Development calling: The use of mobile phones in agriculture development in Uganda*. Paper presented at UNESCO’s International Federation for Information Processing Workshop, Kampala, Uganda.

Martin, B. (2009). *Uses of mobile phones in agriculture development in Uganda*. Poster presented at the Norman Borlaug World Food Prize: Graduate Research Poster Presentation, Ames, IA.

GRANTS & SCHOLARSHIPS

Research Grants Funded

Equidad Digital: The social and human rights impacts of AI-enabled decision-making in Mexico
Sponsor: UC MEXUS-CONACYT
Role: Co-PI
Date: Aug. 2018 – Aug. 2020
Amount: \$25,000

Putting AI to Work: Technology & policy for enabling the workforce of the future
Sponsor: Microsoft
Role: Co-PI
Date Jan. 2018 – June 2018
Amount: \$100,000

E-Participation 2.0: Connecting diverse Philippine populations for disaster risk management with a toolkit integrating text and speech analytics
Sponsor: Philippine California Advanced Research Institutes (PCARI)
Role: Co-PI
Date: May 2016 – May 2018
Amount: \$605,000

Inclusive AI: Technology & policy for a diverse urban future
Sponsor: Microsoft

Role: Co-PI
Date: Jan. 2017 – June 2017
Amount: \$80,000

IoT & Sustainability: Practice, policy, and promise
Sponsor: Microsoft
Role: Co-PI
Date: Jan. 2016 – June 2016
Amount: \$40,000

Mexico Participa: An online social engagement tool to encourage engagement between the public and elected leaders.
Sponsor: CITRIS, UC Berkeley
Role: Lead Researcher
Date: January – December 2015
Amount: \$25,000

Collaborative Assessment and Feedback Engine
Sponsor: Blum Center for Developing Economies and the Development Impact Lab (USAID Cooperative Agreement AID-OAA-A-12-00011), part of the USAID Higher Education Solutions Network
Role: Lead Researcher
Date: Dec. 2013 – Aug. 2016
Amount: \$300,000

Communication breakdown: Navigating the role of ICT companies during social unrest
Sponsor: Arthur W. Page Center for Integrity in Public Communication
Role: PI
Date: March – June 2013
Amount: \$2,500

Building digital bridges in the city of bridges
Sponsor: Penn State Center – Engaging Pittsburgh
Role: Co-PI
Date: January – May 2013
Amount: \$5,000

To block or not to block: Evaluating corporate social responsibility principles of multi-national information and communication companies during social movements
Sponsors: Arthur W. Page Center for Integrity in Public Communication and the Don Davis Program in Ethical Leadership
Role: PI
Date: June – September 2012
Amount: \$5,000

Regulatory governance in African telecommunications: Testing the resource
curse hypothesis

Sponsor: College of Communications, Summer Research Support Grant

Role: Co-PI

Date: June – August 2011

Amount: \$2,500