

EDEN MEDINA

PROGRAM IN SCIENCE, TECHNOLOGY AND SOCIETY
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EMPLOYMENT

- 2019– **Massachusetts Institute of Technology**, Cambridge, MA
Associate Professor, Program in Science, Technology, and Society
- 2012–2020 **Indiana University**, Bloomington, IN
Associate Professor, School of Informatics and Computing
Affiliated Associate Professor of Law, Maurer School of Law (2015–2020)
Adjunct Associate Professor, Department of History
- 2005–2012 **Indiana University**, Bloomington, IN
Assistant Professor, School of Informatics and Computing

EDUCATION

- 2014 **Yale University**, New Haven, CT
M.S.L. Master of Studies in Law
Yale Law School
- 2005 **Massachusetts Institute of Technology**, Cambridge, MA
Ph.D. History and Social Study of Science and Technology
Program in Science, Technology and Society
- 1997 **Princeton University**, Princeton, NJ
B.S.E. Electrical Engineering
Certificate in Women's Studies

RESEARCH INTERESTS

My research uses technology as a means to understand historical processes and I combine history, technology studies, and Latin American studies in my writings. My first book, *Cybernetic Revolutionaries: Technology and Politics in Allende's Chile*, tells the history of the Chilean Cybersyn Project, an early computer network designed to regulate Chile's economic transition to socialism during the government of Salvador Allende. I use the Cybersyn history to illustrate how political innovation can spur technological innovation; the ways that political projects shape the design, function, and use of computer systems; how computers have been used historically to bring about structural changes in society; the limitations of data-driven decision making; and how technologies can help us understand the nuances of historical change. My current book project, *Bones and Lives: Making and Unmaking Truth After Dictatorship*, studies how government officials in Chile, members of multiple scientific communities, and members of a public affected by human rights crimes used science and technology to make knowledge of an uncertain past legally definitive and the effects of scientific error on truth and reconciliation processes. Science and technology serve as a lens through which to learn more about Chile's democratic transition, how nations today address histories of mass atrocity, and the effects of these actions on the broader citizenry. I am a Radcliffe Fellow, affiliated fellow of the Information Society Project at Yale Law School, member of the academic council of the AI Now Institute, and member of the executive council for the Society for the History of Technology.

RESEARCH IN PROGRESS

Eden Medina, *Bones and Lives: Making and Unmaking Truth After Dictatorship*, (book manuscript in preparation, under contract with Duke University Press).

PUBLICATIONS

Peer-Reviewed Books

- 2014 Eden Medina, Ivan da Costa Marques, and Christina Holmes, eds., *Beyond Imported Magic: Essays on Science, Technology, and Society in Latin America* (Cambridge, Mass: MIT Press).
- *2016 Amsterdamska Award from the European Association for the Study of Science and Technology.**
- Book reviewed in *Investigación y Ciencia* (the Spanish version of *Scientific American*), *Isis*, *Journal of Latin American Studies*, *Hispanic American Historical Review*, *Choice Magazine*, *Physics World*, *Bulletin Pacific Circle*, *East Asian Science, Technology and Society*, *Critical Reviews on Latin American Research*, *National Identities*, and the *International Journal for the History of Science and Engineering*.
- 2011 Eden Medina, *Cybernetic Revolutionaries: Technology and Politics in Allende's Chile*, (Cambridge, Mass.: MIT Press).
- *2012 Edelstein Prize for outstanding book in the history of technology (awarded by the Society for the History of Technology).**
- *2012 Computer History Museum Prize for outstanding book in the history of computing.**
- *2014 Recent History and Memory Book Prize (honorable mention) awarded by the Recent History and Memory Section of the Latin American Studies Association.**
- Book reviewed in *American Historical Review*, *Hispanic American Historical Review*, *Historical Studies in the Natural Sciences*, *British Journal for the History of Science*, *Americas*, *Business History Review*, *Enterprise & Society*, *Latin American Perspectives*, *IEEE Annals of the History of Computing*, *Icon Magazine*, *Enlightened Economist*, *New Yorker*, *Choice*, *Le Monde Diplomatique*, *ZfM*, *Computational Culture*, *Communications of the ACM*, *Bits*, *Ciencia*, *y Sociedad*, *Revista Capital*, *Revista Hispánica Moderna*, *La Tercera*, *International Journal of Communication*, *Radical Philosophy*, *Red Seca*, *Revista Historia*, *Revista Pléyade*, *Revista de Gestión Pública*, *Historia Crítica*, *El Diario*, and *El Mercurio*.
- Selected as a 2013 Forum Feature by *History and Technology*.
- Excerpts published as edited essays in *Cabinet Magazine* (2012) and *Review: Literature and Arts of the Americas* (2015).
- Translated into Spanish (LOM Ediciones, 2013) and Chinese (East China Normal University Press, 2020).

Journal Articles

- 2018 Eden Medina, "Forensic Identification in the Aftermath of Human Rights Crimes in Chile: A Decentered Computer History," *Technology and Culture* 9 (4 Supplement): S100-S133.
- *2019 Abbott Payson Usher Prize for the best scholarly work published during the preceding three years by the Society for the History of Technology.**

- 2016 Eden Medina and Ilan Sandberg Wiener, "Science and Harm in Human Rights Cases: Preventing the Revictimization of Families of the Disappeared," *Yale Law Journal Forum*, 125: 331-342.
- 2015 Eden Medina, "Rethinking Algorithmic Regulation," *Kybernetes*, 44 (6/7): 1005-1019. Portions of the article appeared in *Jacobin Magazine*.
- 2015 Stephanie C. Kane, Eden Medina, and Daniel Micheler, "Infrastructural Drift in Seismic Cities: Chile, Pacific Rim, 27 February, 2010," *Social Text* 33 (1 122): 71-92.
- 2008 Eden Medina, "Big Blue in the Bottomless Pit: The Early Years of IBM Chile," *IEEE Annals of the History of Computing* 30: 26-41.
- 2006 Eden Medina, "Designing Freedom, Regulating a Nation: Socialist Cybernetics in Allende's Chile," *Journal of Latin American Studies* 38 (2006): 571-606. Article published in French and Spanish.
- *Winner, 2007 IEEE Life Members' Prize in Electrical History.**

Refereed Book Chapters

- 2020 Eden Medina and Mark P. Carey, "New Narratives of Technology, Expertise, and Environment in Latin America: The Cold War and Beyond," *Traveling Technocrats: Experts and Expertise in Latin America's Long Cold War*, Andra Chastain and Timothy Loreck, eds., (Pittsburgh: University of Pittsburgh Press).
- 2018 Sally Merry, Hilary Charlesworth, B.S. Chimni, Javier Couso, Terry Halliday, Outi Korhonen, Vivian Lin, Eden Medina, Leslye Obiora, César Rodríguez-Garavito, Greg Shaffer, and Rene Urueña, "International Organizations and Technologies of Governance," *International Panel for Social Progress Report: Reshaping Society for the Twenty-first Century* (New York: Cambridge University Press).
- 2014 Michael Lemon and Eden Medina, "Technology in an Expanding Field: A Review of History of Technology Scholarship on Latin America in English Language Journals," *Beyond Imported Magic: Essays on Science, Technology, and Society in Latin America* (Cambridge, Mass: MIT Press).
- 2004 Eden Miller Medina and David Mindell, "Engineering and Computer Science in Action: 'The Structure of Engineering Revolutions'," in *Using History in Computer Science Education*, edited by Atsushi Akera and William Aspray (Washington, D.C.: Computing Research Association).

Invited Book Chapters

- 2014 Eden Medina, "Reading History in a Large Concrete Panel," *Monolith Controversies*, Hugo Palmarola and Pedro Alonso, eds. (Berlin: Hatje Cantz, 2014).
- *Book received the 2014 DAM Architectural Book Award.**
- 2010 Eden Medina, "Cibernética Socialista en el Chile de Allende," *Situation Room*, edited by Pablo de Soto, (Gijón, Spain: LABoral Center for Industrial Art and Creation). Chapter published in Spanish and English.

- 2008 Eden Medina, "Secret Plan Cybersyn," in *Conspire. Transmediale Parcours 1*, edited by Stephen Kovats and Thomas Munz (Frankfurt, Germany: Revolver Books). Chapter published in German and English.
- 2007 Eden Medina, "Ballet Slippers," in *Evocative Objects: Things We Think With*, edited by Sherry Turkle (Cambridge, Mass.: MIT Press). Chapter singled out for review in the *Washington Post*, *South Central Review*, *Cultural Studies*, *Journal of Design History*, and *Image & Narrative*.
- 2005 Eden Medina, "Democratic Socialism, Cybernetic Socialism: Making the Chilean Economy Public," in *Making Things Public: Atmospheres of Democracy*, edited by Bruno Latour and Peter Weibel (Cambridge, Mass.: MIT Press). Chapter singled out for review in *Cultural Sociology* and *Revista de Antropología Iberoamericana*.

Essays and Editorials

- 2019 Eden Medina and Dwai Banerjee, "Global Computing," Computing and AI: Humanistic Perspectives from MIT, MIT School of Humanities and Social Science, September.
- 2017 Eden Medina, "Las políticas para interconectar una nación," *Revista Diseña*, 11: 46-60.
- 2017 Eden Medina, "Memories of the Yagán: The Chilean Automobile for the People," *Technosphere Magazine*, April.
- 2016 Eden Medina, "The Power of Paper," *The Hill*, December.
- 2016 Eden Medina, "The Politics of Networking a Nation," *Public Books*, November. Essay extended and translated in Spanish in *Revista Diseña*.
- 2015 Eden Medina, "The Cybersyn Revolution: Five Lessons from a Socialist Computing Project in Allende's Chile," *Jacobin*, March.
- 2013 Eden Medina, "Author Response: Cybernetic Revolutionaries," *History and Technology* 28 (4): 431-441.
- 2005 Eden Medina, "Computer Memory, Collective Memory: Recovering History through Chilean Computing," *IEEE Annals of the History of Computing* 27: 102-104.
- 2004 Eden Miller Medina, "Beyond the Ballot Box: Computer Science Education and Social Responsibility," invited editorial, *Inroads - The ACM Special Interest Group on Computer Science Education (SIGCSE) Bulletin* 36: 7-10.
- 2004 Eden Miller, "Freedom in Code: The Birth of the Chilean Free Software Movement," *ReVista Harvard Review of Latin America* 3: 23-25.

Encyclopedia Entries and Book Reviews

- 2015 Eden Medina, book review of *Conflicts in the Knowledge Society: The Contentious Politics of Intellectual Property* by Sebastian Haunss, *Journal of the Association for Information Science and Technology* 66 (4): 869-871.
- 2007 Eden Medina, "Computer Industry," in *Encyclopedia of U.S. Labor and Working Class History*, edited by Eric Arnesen (New York: Routledge).
- 2002 Eden Miller, "Decrypting Mathematics," book review of *In Code* by Sarah and David Flannery, *IEEE Technology and Society Magazine* 21: 9-10.

CREATIVE SCHOLARSHIP

- 2005 "Making Things Public—Politics After Politics", Originator and designer of the *Opsroom* installation, ZKM Center for Digital Art and Media, Bruno Latour and Peter Weibel curators, Karlsruhe, Germany, March 20 - October 3. Installation singled out for review in the *European Association for the Study of Science and Technology (EASST) Review*.
- 2003 "The Other September 11: An Exhibit of Photos," Photographer and co-coordinator, MIT Wiesner Art Gallery, Cambridge, MA, September 11-October 18, 2003.

RESEARCH AWARDS

- 2019 Abbott Payson Usher Prize (awarded by the Society for the History of Technology for "the best scholarly work published during the preceding three years under the auspices of the Society.")
- 2016 Amsterdamska Award (given by the European Association for the Study of Science and Technology for "the most creative collaboration in an edited book in the broad field of science and technology studies.")
- 2014 Honorable Mention, Book Prize of the Recent History and Memory Section of the Latin American Studies Association.
- 2012 Edelstein Prize (awarded by the Society for the History of Technology "to the author of an outstanding scholarly book in the history of technology published during the preceding three years.")
- 2012 Computer History Museum Prize (awarded by SIGCIS "to the author of an outstanding book in the history of computing broadly conceived, published during the prior three years.")
- 2011 Outstanding Junior Faculty Award, Indiana University, Bloomington (recognizes "the achievements of junior faculty who have devoted considerable time to the teaching and service missions of the University as well as developing a nationally recognized research program" and who "show promise of achieving great distinction as scholars or artists").
- 2007 IEEE Life Members' Prize in Electrical History ("recognizes the best paper in electrical history published during the preceding year").
- 2001 MIT Siegel Prize (awarded to the best student paper of the year in the history, philosophy, and social studies of science and technology).
- 1997 Second place, IEEE Region 1 Student Paper Contest.
- 1996 AT&T Scholar Award (given by Princeton to "an undergraduate who displays strong academic performance, potential for professional growth, and excellence in extra-curricular activities").
- 1995-1997 NAMEPA Certificate of Merit in Engineering.

EXTERNAL FELLOWSHIPS AND GRANTS

- 2020-2021 Fellow, Radcliffe Institute for Advanced Study, Harvard University.
- 2015-2017 Scholar's Award, National Science Foundation, \$224,171.
- 2013-2014 Resident Fellow, Information Society Project, Yale Law School.

- 2012-2015 New Directions Fellowship, Mellon Foundation, \$299,990.
- 2012-2013 Conference Grant, National Science Foundation, \$30,000.
- 2012 Fulbright Senior Specialist Grant to teach in the Department of Computer Science at the University of Chile.
- 2009-2011 John E. Sawyer Seminar on the Comparative Study of Cultures, Mellon Foundation, \$144,035 (co-PI).
- 2007-2008 Scholar's Award, National Science Foundation, \$70,375.
- 2003-2005 Dissertation Improvement Grant, National Science Foundation, \$12,000.
- 2003-2004 Tomash Fellowship in the History of Information Processing, Charles Babbage Institute, \$12,000.
- 2003-2004 Mellon Fellowship for Dissertation Research in the Humanities and Original Sources, Center for Library and Information Resources (awarded and declined).
- 2002-2004 Graduate Fellowship, Dibner Institute for the History of Science and Technology, Massachusetts Institute of Technology.
- 2001-2002 International Predissertation Fellowship, Social Science Research Council and the American Council of Learned Societies.

COMPETITIVE INTERNAL FELLOWSHIPS AND GRANTS

- 2018 Individual Research Award, IU Institute for Advanced Study, \$3,000.
- 2015-2016 New Frontiers in the Arts and Humanities Grant for Creativity and Scholarship, \$39,090.
- 2015-2016 MIIRT Short-term Faculty Fellowship, \$20,000.
- 2014-2015 New Frontiers in the Humanities Exploratory Research Grant, Office of the Vice Provost for Research, \$3,000.
- 2012 Workshop Grant, Office of the Vice President for International Affairs, \$4,000 (co-PI).
- 2012 College Arts and Humanities Institute Grant, \$8,000 (co-PI).
- 2012 Workshop Grant, Institute for Advanced Study, \$7,000 (co-PI).
- 2012 Multidisciplinary Ventures and Seminars Grant, Office of the Vice Provost for Faculty and Academic Affairs, Indiana University, \$5,000 (co-PI).
- 2011-2012 Research Grant, Outstanding Junior Faculty Award, Indiana University, \$14,500.
- 2011-2012 Research Grant, Women in Science Program, Indiana University, \$7,700.
- 2010-2011 Research Grant, Center for Applied Cybersecurity Research, Indiana University, \$17,000 (co-PI).
- 2010-2011 Multidisciplinary Ventures and Seminars Grant, Office of the Vice Provost for Faculty and Academic Affairs, Indiana University, \$2,500.
- 2010-2011 Research Grant, Women in Science Program, Indiana University, \$7,000.

- 2009 Travel Grant, Overseas Conference Fund, Office for the Vice President for International Affairs, Indiana University, \$450.
- 2009 Travel Grant, Center for Latin American and Caribbean Studies, Indiana University, \$250.
- 2008 Research Travel Grant, Center for Latin American and Caribbean Studies, Indiana University, \$1,000.
- 2007 Summer Faculty Fellowship, Indiana University, \$8,000.
- 2000 Provost's Fellowship, MIT School of Humanities and Social Science.
- 1997-1998 Merit-based Graduate School Fellowship, awarded by the University of Maryland, College Park, Department of Electrical Engineering (completed one year of Master's coursework in electrical engineering).

OTHER POSITIONS

- Academic Council, AI Now Institute, New York University, 2017 – present.
- Affiliated Fellow, Information Society Project, Yale Law School, 2014 – present.
- Research Associate, School of Informatics, Indiana University, Bloomington, 2004 – 2005.
- Oral Historian, MIT Oral History Project, 2000.
- Historical Consultant, MIT Laboratory for Computer Science, 1998-1999.
- Electrical Engineer, Department of Defense, 1997-1998.

INTERNATIONAL APPOINTMENTS

- Visiting Professor, Universidad Diego Portales, Department of History, Chile, 2015.
- Visiting Professor, Universidad de Ibagué, Department of Systems Engineering, Colombia, 2015.
- Visiting Professor, Universidad de Chile, Department of Computer Science, 2012.
- Visiting Scholar, Universidad de Chile, Department of Industrial Engineering, 2001 – 2002.
- Visiting Scholar, Pontificia Universidad Católica de Chile, Department of Political Science, 2001 – 2002.
- Visiting Student, Universidade de São Paulo, Brazil, Winter 2002.
- Visiting Student, Universidad de las Américas, Ecuador, Summer 1999.

INVITED KEYNOTES, PLENARIES, AND NAMED LECTURES

- 2019 Plenary panel, Training Humans Symposium, Fondazione Prada Osservatorio, Milan, October 26.
- 2019 Keynote, “Tecnología, justicia y Estado en América Latina: reclamos de verdad y tecnologías para la identificación forense tras la dictadura en Chile,” Seminario Ensamblando saberes, derechos y artefactos, Universidad de los Andes Facultad de Derecho, Bogotá, August 9, 2019.
- 2018 Keynote, “Computers and the Struggle For Memory in Post-Pinochet Chile,” 10th Annual SIGCIS Conference “Stored in Memory,” St. Louis, October 14.

- 2016 Keynote, "The Historiography of Latin American Science and Technology in the Long Cold War," *Traveling Technocrats: Experts and Expertise in Latin America's Long Cold War*, Yale University, New Haven, CT, October 14.
- 2016 Keynote, "The Promise and Peril of Computer Technology in the Area of Human Rights," *Mistakes Were Made 2.0*, NYU, April 15.
- 2015 Keynote, "Big Data Lessons from our Cybernetic Past" *Strata + Hadoop World*, O'Reilly Conference on "Make Data Work," San Jose, CA, February 17-20.
- 2014 Keynote, "Rethinking Algorithmic Regulation," *World Organization of Systems and Cybernetics Conference*, Colombia, October.
- 2013 Schneider Lecture, "The Cybernetic Revolution: A History of Computers and Political Change in Chile," *School of Information*, University of Texas, Austin, January 17.
- 2012 Opening Plenary, "Transnationalism and the History of Technology," *Annual Meeting of the Society for the History of Technology (SHOT)*, Copenhagen, October 4.
- 2011 Closing Plenary, "Cultures & Communities in the History of Computing," *Meeting of the Special Interest Group on the Computers, Information, and Society*, Cleveland, Ohio, November 6.
- 2011 Keynote, "The Geopolitics of Ethical Computing," *ETHICOMP*, Sheffield, England, September 14-16.

INVITED PRESENTATIONS

- 2019 "When Repair Becomes Harm: Science, Law, and the Pursuit of Justice in Chile," *Kennedy School of Government*, Harvard University, September 30.
- 2019 "Chile/Latin America and the Struggle for Social Justice in a Changing World," *Tufts University*, September 27.
- 2019 "Colombian Cybernetics," *Latin America as Laboratory Workshop*, *History of Science Department*, Harvard University, May.
- 2019 ""Truth Without Justice: Identifying the Remains of the Disappeared in Chile" *Great Lakes STS Conference*, *Ohio State University*, March.
- 2018 "Future of SHOT: Gateways to the Next 60 Years," *Presidential Roundtable*, *Annual Meeting of the Society for the History of Technology*, St. Louis, October 12.
- 2018 "Truth Without Justice: Identifying the Remains of the Disappeared in Chile," *Davis Center Seminar on Law & Legalities*, *Department of History*, *Princeton University*, September 21.
- 2018 "Infrastructures as Regulation: The Internet, Data Flows, and Global Digital Ordering," *Roundtable*, *Annual Meeting of the Law and Society Association*, June 7.
- 2018 "Unmaking Truth After Dictatorship: Science, Memory, and the Disappeared," *Department of the History of Science*, *Harvard University*, April 12.

- 2018 "Knowledge, Politics, and Practice in a Connected World," Max Planck Institute for the History of Science, Berlin, Germany, January 9.
- 2017 "Just Computing: Global Approaches to Computing," Department of Computer Science, Northwestern University, November 13.
- 2017 "Computing and Human Rights," Latin America Institute, Freie Universität Berlin, Germany.
- 2017 "Technology and Forensic Evidence in Chilean Human Rights Investigations," Center for Science, Technology, Medicine, and Society and the Center for History and Theory of New Media, University of California, Berkeley, April.
- 2017 "Reparation Technology in Post-Pinochet Chile," workshop of paper, History of Science and Technology, Johns Hopkins University, March.
- 2017 "Science on the March in the Global South," Max Planck Institute for the History of Science, Berlin, Germany, March.
- 2017 "Torquing Lives and Histories: Technology and the Misidentification of Chile's Disappeared," Program in Science, Technology, and Society, MIT, February 14.
- 2016 "'I Felt Absolutely Convinced That It Was Him': Computers, Identification, and the Making of Truth in Chile," Shift+Ctrl: New Perspectives on Computing and New Media, Stanford University, May 6-7.
- 2016 "Computers and Truth in Human Rights Cases: Lessons from History," Yale Visual Law Project and the Yale Information Society Project, Yale Law School, April 18.
- 2015 "Re-imaginando Rupturas: Nuevas metodologías de la Historia Reciente y la Memoria en Chile," Universidad Diego Portales, September 8.
- 2015 Foo Camp 2015, Sebastopol, CA July 31-August 2.
- 2015 "When Legal Certainty Comes Undone: Science, Technology and the Search for Truth in Post-Pinochet Chile," Northwestern University, Science in Human Culture Klopsteg Lecture Series, March 2.
- 2014 Ideas Lunch, Information Society Project, Yale Law School, February 26.
- 2014 Latin American Studies, Yale University, February 18.
- 2014 Science, Technology and Utopian Values Working Group, Yale University, February 5.
- 2013 "Revolucionarios cibernéticos," book launch, Fundación Salvador Allende, Santiago, Chile.
- 2013 "Beyond Imported Magic," Program in Science, Technology and Society Colloquium Series, Massachusetts Institute of Technology, May 6.
- 2013 "Cold War Modern," Science Studies Group, Humanities Institute, SUNY Buffalo, April 15.
- 2013 "STS and Latin America," Science, Technology, Medicine, and Society (STeMS) Faculty/Graduate Colloquium Series, University of Michigan, March 25.

- 2012 “Cybernetics and the Chilean Road to Socialism,” History and Sociology of Science Colloquium Series, University of Pennsylvania, December 7.
- 2012 “Curing the Shiny New Object Syndrome: Strategy vs. Hype when Using New Technologies,” Futures of Entertainment 6 (FoE6), Massachusetts Institute of Technology, November 9.
- 2012 Invited Talk, Lecture Series on Social Media/Social Change: Negotiating Access, Control and Unrest in the Information Age, Scripps College Humanities Institute, Claremont, California, September 12.
- 2012 “STS in Latin America,” Colloquium for the Department of Sociology, Pontificia Universidad Católica de Chile, April 19.
- 2012 “Diseñar para la política, leyendo lo político en el diseño,” Colloquium for the Department of Design, Faculty of Architecture and Urban Studies, University of Chile, Santiago, Chile, April 5.
- 2012 “Social and Global Issues in Engineering Education,” Fulbright Commission, Santiago, Chile, March 28.
- 2011 “Proyecto Synco: computadores y revolución en la historia de Chile,” Colloquium for the Department of Computer Science, University of Chile, June 15.
- 2010 “The Slipperiness of Sociotechnical Engineering,” Colloquium for the Information in Society Program, Graduate School of Library & Information Science, University of Illinois Urbana-Champaign, November 8.
- 2010 “Does it Take More Courage to be a Cybernetician than to be a Gunman?,” Colloquium for the Department of Media Arts and Technology, the Arts Research Institute, and the Interdisciplinary Humanities Center, University of California Santa Barbara, May 18.
- 2009 “Cybernetics and Revolution,” Harvard-MIT-Yale Cyberscholar Working Group, Berkman Center for Internet and Society, Harvard Law School, February 19.
- 2008 “Socialismo cibernético: la utopía de Salvador Allende,” public lecture, Universidad Nacional Autónoma de México, Mexico City, September 9.
- 2008 “Socialismo cibernético, socialismo democrático: la utopía de sustituir el mercado por un sistema cibernético en Chile durante el gobierno de Salvador Allende, 1970-1973,” Workshop on teorías, metodologías y prácticas interdisciplinarias sobre innovación y empresa, El Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades (CEIICH), Universidad Nacional Autónoma de México, Mexico City, September 8.
- 2008 “The Chilean Network Experiment: From Poetics to Systemics,” *Transmediale '08*, Berlin, Germany, January 30.
- 2008 “Diseñando libertad, regulando una nación: cibernética socialista en el Chile de Allende,” *Situation Room*, Hackitectura, Asturias, Spain, January 25.
- 2006 “Proyecto Synco: ¿Utopía tecnológica?,” Chilean Presidential Palace La Moneda, Santiago, Chile, July 25.

- 2006 "Computer Memories: Technology and the Telling of Chilean History," Joint Colloquium for the Department of Science Studies and the Department of History, University of California San Diego, February 6.
- 2005 "La historia de la informática en Chile," Department of Mathematics and Computer Science, Universidad de Santiago de Chile, Santiago, Chile, December 29.
- 2005 "Opsroom," Goethe Institute, Santiago, Chile, December 28.
- 2003 "Los proyectos de transformación económica y el golpe de estado," El Chile de la Unidad Popular: a 30 años, Programa Jornadas Inter-Universitarias, October 2.
- 2003 "Lenguaje y proyecto a 30 años de la Unidad Popular," School of Design, Pontificia Universidad Católica de Chile, September 10.
- 2003 "Revolutionary Computing: The Chilean Experiment with Socialist Cybernetics," MIT Western Hemisphere Project, March 12.
- 2002 "Doing International Research After September 11," MIT Program in Science, Technology, and Society Fall Colloquia, October 28.

INVITED PRESENTATIONS (INDIANA UNIVERSITY)

- 2017 "Latin American Perspectives on Computing and Society," Department of Library and Information Science, Indiana University, November 10.
- 2016 "Reparation Technology in Post-Pinochet Chile," Center for Law and Society, Maurer School of Law, Indiana University, November 17.
- 2016 "Science Technology and Human Rights," Center for Latin American and Caribbean Studies, Indiana University, October 26.
- 2014 "Keeping the Internet Free: A Panel Discussion on Net Neutrality," Law and Public Policy Program, Indiana University, November 17.
- 2013 "The Geopolitics of Ethical Computing," Poynter Center Roundtable, Poynter Center for Ethics and American Institutions, Indiana University, February 18.
- 2011 "Cybernetic Revolutionaries," Latin American Research Forum, Center for Latin American and Caribbean Studies, Indiana University, December 2.
- 2011 "Cybernetics and Political Change in Allende's Chile," Colloquium for the History Department, Indiana University, February 15.
- 2008 "Big Blue in the Bottomless Pit," Colloquium for the Rob Kling Center for Social Informatics, Indiana University, April 4.
- 2007 "Technology, Politics, and the Chilean Road to Socialism," Colloquium for the Political Science Department, Indiana University, October 31.
- 2005 Latino Faculty Discussion Series, La Casa Latino Cultural Center, Indiana University, September 26.
- 2004 "Empanadas, Red Wine, and Mainframes," Colloquium for the History and Philosophy of Science Department, Indiana University, October 9.
- 2003 "Revolutionary Computing: Information Technology and Governance in Allende's Chile," Indiana University School of Informatics, November 17.

REFEREED CONFERENCE PAPERS

- 2019 "Truth, Reconciliation, and Memory in Scientific Practice: Histories of Forensic Identification in Chile" paper delivered at the *Annual Meeting of the Latin American Studies Association*, Boston, May.
- 2017 "A Transnational History of Identification and Error," paper delivered at the *Annual Meeting of the Latin American Studies Association*, Lima, Peru.
- 2016 "Science and Memory in Post-Pinochet Chile," *Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies*, Notre Dame University, October 2.
- 2016 "Reparation Technology," *Annual Meeting of the Society for the Social Studies of Science*, Barcelona, Spain, September.
- 2016 "New Directions in Popular Unity History," *Annual Meeting of the Latin American Studies Association*, New York, NY, June.
- 2016 "Shift Ctrl: Computing and New Media Beyond the U.S. and Europe," *Annual Meeting of the American Historical Association*, Atlanta, GA, January.
- 2015 "Truth, Harm and the Science of Identification in Post-Pinochet Chile," *Conference of the Latin American Studies Association*, San Juan, May.
- 2014 "A Review of History of Technology Scholarship on Latin America in Selected English-Language Journals," *Annual Meeting of the Society for the Social Studies of Science*, Buenos Aires, August.
- 2014 Eden Medina, Stephanie Kane, and Daniel Michler, "Crisis Communication as a Legal Thing," *Law and Society Annual Meeting*, Minneapolis, June.
- 2013 Eden Medina, "Bringing Latin American Studies and the History of Technology Together: Past, Present, and Future," *Conference of the Latin American Studies Association*, Washington D.C., May.
- 2012 Lindsay Ems, David Nemer, and Eden Medina, "Twitter as an Interactive Ephemeral Communicative Space," *AoIR Internet Research 13.0*, Manchester, October.
- 2012 Eden Medina, "History of Cybernetics in Latin America," *ISEA 2012*, Albuquerque, September.
- 2012 Michael Lemon and Eden Medina, "A Review of the History of Technology Literature on Latin America in English Language Journals," *Studying Science and Technology in Latin America: Beyond Imported Magic*, Bloomington, August 25.
- 2012 Eden Medina, Ivan da Costa Marques, and Christina Holmes, "STS and Latin America: Beyond Imported Magic," Tepoztlán Institute for the Transnational History of the Americas, Tepoztlán, Mexico, August.
- 2012 Stephanie Kane and Eden Medina, "Chile's Tsunami Alert System: Decision-Making between the Earthquake and Tsunami on 27/2, 2010," *American Ethnological Society*, New York, April.
- 2012 Samantha Merritt, Kate Bishop, and Eden Medina, "Translating Anthropology Debates to ICT4D," *ICT4D 2012*, Atlanta, March.

- 2011 Eden Medina and Stephanie Kane, "Disaster Politics and Failed Communication in Chile," *Annual Meeting of the Society for the Social Studies of Science*, Cleveland, November.
- 2011 Eden Medina (commentator), "Geographies of Computing," *Annual Meeting of the Society for the History of Technology*, Cleveland, November.
- 2010 Eden Medina, "The Global Nature of State Technologies: The Creation of the Chilean State Computer Enterprise," *Conference of the Latin American Studies Association*, Toronto, October.
- 2009 Eden Medina, "Negotiating Chilean National Politics with Global Corporate Culture: A History of How IBM became a Country within Other Countries," *Conference of the Latin American Studies Association*, Rio de Janeiro, June. Organizer of the panel, "Technology/Culture/Power: Multidisciplinary Perspectives on Information Technology in Latin America."
- 2008 Eden Medina (commentator), "Computing at Transnational Cross-Roads: Technology and Politics in the Cold War," *Annual Meeting of the Society for the History of Technology*, Lisbon, Portugal, October.
- 2007 Eden Medina, "Fighting the Status Quo: Marx's Capital and the Cybernetics of Beer," *Annual Meeting of the Society for the History of Technology*, Washington, D.C., October.
- 2006 Eden Medina, "Feeding the Chilean Bureaucracy: Technology for a Government of Advisors," *Annual Meeting of the Society for the Social Studies of Science*, Vancouver, November.
- 2005 Eden Medina, "Meeting the Goals of the World Summit on the Information Society with Informatics Education," *United Nations World Summit on the Information Society*, Tunis, November.
- 2005 Eden Medina, "Making the 'Ugliest Automobile in History': Technology, Ideology, and the Citroën Yagán," *Annual Meeting of the Society for the History of Technology*, Minneapolis, November.
- 2004 Eden Miller Medina, "The Cybernetic Road to Socialism: Computation, Ideology, and Governance in Chile, 1971-1973," *Conference of the Latin American Studies Association*, Las Vegas, October. Organizer and chair of the panel, "Reading Technology, Re-reading History."
- 2003 Eden Miller, "Networks of Governance: Computers, Politics and Economic Planning in Chile," *Annual Meeting of the Society for the Social Studies of Science*, Atlanta, October. Organizer and chair of the panel, "Computing Like a State: Information Technology and Governance in the Developing World."
- 2003 Eden Miller, "(Inter)national Technology: Computation and Socialist Change in Chile," *AAAS Conference "The Local and the Global: Contexts in Science and Technology"*, Washington, D.C., April.
- 2001 Eden Miller, "Designing Freedom, Regulating a Nation: Socialist Cybernetics in Allende's Chile," *Annual Meeting of the Society for the History of Technology*, San Jose, October.

- 2001 Edén Miller, "Cybernetic Synergy: Chile, Great Britain, and the development of 'revolutionary computing'," *XXIst International Congress of History of Science*, Mexico City, July.
- 1997 J.E. Miller and S. Dutta Roy, "A Generalized Algorithm for Text Detection in Digital Grayscale Images," *IEEE Region I Conference*, Princeton, April 1997 (awarded prize in IEEE student paper contest).

SELECTED INTERVIEWS AND PRESS ARTICLES FEATURING WORK

- 2019 "Allende's Strange Plan to Connect Chile, Long Before the Internet," *Americas Quarterly*, July 30.
- 2019 "Communications Revolution: ARPANET and the Development of the Internet 50 Years Later," *Perspectives on History*, May 14.
- 2017 "State Run Algorithms Should Stay in the Realm of Science Fiction," *Financial Times*, December 1.
- 2016 Research featured on the podcast *99 Percent Invisible*.
- 2015 "Life Feeds and Data Lessons from our Cybernetics Past," *Data Informed*, February 21.
- 2015 "A Internet de Allende," *Folha de São Paulo*, January 31.
- 2013 "Proyecto Cybersyn: Los revolucionarios cibernéticos de Salvador Allende," *El Diario*, September 9.
- 2013 "Historical Reflections: Five Lessons from Really Good History," *Communications of the ACM*, January.
- 2012 "Before Fruit Ninja, Cybernetics," *New York Times*, November 29.
- 2012 "La AllendeNET que no fue," *Revista Capital*, November 9.
- 2012 "Entrevista Edén Medina," *Revista Bits de Ciencia*, Primer Semestre.
- 2012 "Technology Workshop to focus on Latin America," *Herald-Times*, August 24.
- 2012 "Mellon award funds year of law school for IU Bloomington School of Informatics professor," IU News Room, April 23.
- 2011 "Outstanding Junior Faculty Award recipients announced for 2011," *IU News Room*, February 8.
- 2010 "Allende, l'informatique et la révolution," *Le Monde Diplomatique*, July (also published in Spanish, Portuguese, Persian, Hungarian, and Norwegian).
- 2009 "Andrew W. Mellon Foundation awards funding of prestigious Sawyer Seminars to IU faculty," IU News Room, July 28.
- 2009 "IU Professor analyzes Chile's 'Project Cybersyn'," Live at IU, June 18.
- 2008 "Les médias disparus: Cybersyn, réseau social," *Libération*, August 15.
- 2007 "IU's Edén Medina earns electrical history award for research on Chile's technology use," IU News Room, Indiana University, October 31.
- 2007 "Objects of Our Desire," *The Washington Post*, August 23.

- 2006 “Doce científicos revisan la época de Augusto Pinochet,” *El Mercurio*, December 12.
- 2005 “Chile’s Switched-on Socialism Pioneered Networking in the Early ‘70s,” News and Media, Indiana University, October 24.
- 2003 Virginia Rioseco, “Eden Miller, estudiante de MIT. El proyecto Synco: ¿Utopía cibernética o treinta años adelantado a su época?,” *Sociedad & Conocimiento*, Magazine of the Universidad Central, Santiago de Chile, December.
- 2003 Guest, “On the Media,” National Public Radio, New York, September 13.
- 2003 Andy Beckett, “Santiago Dreaming,” *The Guardian*, London, September 8.
- 2003 Juan Andrés Guzmán, “Proyecto Synco: El Sueño Cibernético de Allende,” *The Clinic*, no. 107, July 10.

TEACHING GRANTS/AWARDS

- 2017–2018 Jesse Fine Fellowship in Practical Ethics, Center for Innovative Teaching and Learning, Indiana University (\$2,500 for course development of “Data and Society”).
- 2014-2015 Jesse Fine Fellowship in Practical Ethics, Poynter Center for Ethics and American Institutions, Indiana University (\$2,500 for course development of “Technology and the First Amendment”).
- 2012-2017 Member, Fulbright Specialist Roster in the area of engineering education.
- 2012 Trustees Teaching Award, Indiana University.
- 2010 -2012 Pedagogy Grant, “New Pedagogies, New Technologies: Learning Spaces in the 21st Century,” University Information Technology Services and the Office of the Vice Provost for Undergraduate Education, Indiana University, \$19,770 (core faculty).
- 2011 Inspirational Teacher Award, Women in Informatics and Computing, Indiana University.
- 2011 Center for Innovative Teaching and Learning, Summer Writing-Teaching Grant, Indiana University, \$1,500.

TEACHING

History and Social Studies of Computing, MIT, Spring 2020.

Data and Society, MIT, Spring 2020.

Computers and Social Change, MIT, Fall 2019.

Data and Society, Indiana University, Bloomington, Spring 2018, Spring 2019.

Introduction to Social Informatics, Indiana University, Bloomington, Fall 2005, Fall 2006, Spring 2008, Fall 2009 (two sections), Fall 2010 (two sections), Fall 2011 (two sections), Fall 2012 (two sections), Fall 2014 (two sections), Spring 2017, Fall 2017, Fall 2018, Spring 2019.

Social Informatics, Department of Systems Engineering, University of Ibagué, Summer 2015 (taught in Spanish).

Introduction to the Social Studies of Technology, Department of Computer Science, University of Chile, Spring 2012 (taught in Spanish).

Introduction to Social Informatics Honors, Indiana University, Bloomington, Spring 2008.

Computer and Information Ethics, Indiana University, Bloomington, Spring 2006, Spring 2010.

Grant Writing for Social Scientists, Indiana University, Spring 2017.

Technology and the First Amendment, Indiana University, Bloomington, Spring 2015.

History of Technology, Indiana University, Bloomington, Spring 2013.

Geographies of Technology, Indiana University, Bloomington, Spring 2011.

Advanced Doctoral Seminar in Social Informatics I (Social and Cultural), Indiana University, Bloomington, Fall 2006, Spring 2009.

Advanced Doctoral Seminar in Social Informatics II (Legal and Political), Indiana University, Bloomington, Spring 2016.

The Structure of Engineering Revolutions, MIT, Fall 1999, Fall 2000 (teaching assistant).

STUDENTS

Ph.D. graduates (advisor)

David Nemer Informatics, 2015
Assistant Professor, School of Information, University of Kentucky
"Rethinking Digital Inequalities: The Experience of the Marginalized in Community Technology Centers"

Dongoh Park Informatics, 2016
Policy Specialist, Google
"Digital Nation Building: Sociotechnical Development of Public-Key Infrastructure in Korea"

Paula Mate Informatics, expected 2020.
"Examining the Implementation of a Health Information System in Mozambique"

Current Ph.D. students (advisor)

Chris Miles Informatics & Communication and Culture, expected 2021.
"Data Farm: Precision Agriculture and the Government of Nature"

Dan Qaurooni Informatics & Cognitive Science, expected 2022.
"The Garden in the Machine: Plant Factories and the Computerization of Growth"

Ph.D. students (committee): Rodrigo Ochigame (MIT); Crystal Lee (MIT); Alex Reiss-Sorokin (MIT); Beatrice Choi (Northwestern University, Rhetoric and Public Culture); Samantha Merritt (Informatics); Alexander Mirowski (Informatics); A. Jay Wagner (Journalism, graduated 2016).

Master's Thesis Advisor: Michael Lemon (Latin American Studies, 2012; History, 2016); Heather Wiltse (Informatics, 2007).

SELECTED SERVICE (MIT)

Associate Head of House, East Campus Undergraduate Residence, 2019 – present.

Curriculum Committee, Computers and Society Concentration, 2019 – present.

Advisory Committee, Social and Ethical Responsibilities of Computing, College of Computing, 2019 – present.

Legal, Ethics, and Equity Committee (LEE), 2020.

SELECTED SERVICE (SCHOOL OF INFORMATICS AND COMPUTING, INDIANA UNIVERSITY)

Member, Undergraduate Program Committee, School of Informatics and Computing, 2010 – present.

Director, Rob Kling Center for Social Informatics, 2012 – 2016.

Member, Hiring Committee, Social Informatics, 2008 – 2009; 2011 – 2012, 2014 – 2015.

Member, Executive Board, Women in Informatics and Computing (WIC), School of Informatics and Computing, 2007 – 2012.

Member, Hiring Committee, Human Computer Interaction Design, 2007 – 2008.

Member, Research Subcommittee, School of Informatics, 2007–2008.

Member, Globalization Committee, Dept. of Informatics, 2005–2008.

Member, Graduate Admissions Committee, Dept. of Informatics, 2005–2007.

Member, Organizing committee for the conference, “Informatics Goes Global: Methods at a Crossroads,” February 2006, Bloomington, Indiana, 2005 – 2006.

SELECTED SERVICE (INDIANA UNIVERSITY)

Member, Executive Board, Center for Latin American and Caribbean Studies, 2008 – present.

Advisory Board, Poynter Center for Ethics in American Institutions, 2016 – present.

Leadership Committee, Center for Women in Technology, 2016 – 2017.

Member, Patten Committee, 2012 – 2015.

Organizer, *Conference, Studying Science and Technology in Latin America: Beyond Imported Magic*, 2012.

Co-organizer, John E. Mellon Sawyer Seminar “Rupture and Flow: The Circulation of Technoscientific Facts and Objects,” Indiana University, Bloomington, 2009 – 2012.

Member, Faculty Advisory Board Women in Science Program, Office of Women's Affairs, 2010 – 2012.

Affiliated Faculty, Latino Studies, Indiana University, Bloomington, 2008 – present.

Affiliated Faculty, History and Philosophy of Science Department, Indiana University, Bloomington, 2007 – present.

Affiliated Faculty, Center for Latin American and Caribbean Studies, Indiana University, Bloomington, 2005 – present.

Member, Faculty Advisory Committee, Rob Kling Center for Social Informatics, 2008 – 2012.

Member, Faculty Advisory Board, Office of Women's of Affairs, 2009 – 2010.

PEER REVIEW AND EDITORIAL WORK

Editorial Board, *Hispanic American Historical Review*, 2016.

Editorial Board, *Revista Diseña*, 2017– present.

Editorial Board, *IEEE Annals of the History of Computing*, 2012 – 2014.

Associate Editor, *IEEE Annals of the History of Computing*, 2008 – 2012.

Reviewer for *Technology and Culture*; *IEEE Annals of the History of Computing*; *Science, Technology and Human Values*; *History and Technology*; *International Journal of Transitional Justice*; *American Historical Review*; Harvard University Press; MIT Press; Yale University Press; and University of Chicago Press.

Reviewer for the National Science Foundation.

PROFESSIONAL ASSOCIATIONS

Executive Council, Society for the History of Technology, 2019 – present.

Chair, Prize Committee, Bernard S. Finn IEEE Prize, Society for the History of Technology (2018, member 2017, 2019).

Member, Book Review Prize Committee, *Hispanic American Historical Review*, American Historical Association, 2019.

Member, Prize Committee, Da Vinci Medal, Society for the History of Technology, 2011, 2018.

Chair, Prize Committee, IEEE Life Members' Prize in Electrical History, Society for the History of Technology, 2011 (member 2010, 2012).

Representative, 4S Meeting on the “State of Latin American STS,” Society for the Social Studies of Science, 2011.

Member, Program Committee, First Symposium on the History of Informatics in Latin America and the Caribbean, Latin American Center for Informatics Studies (CLEI), 2009 – 2010.

Chair, International Outreach Committee, Society for the History of Technology, 2007, 2008 (member 2006).

Member, Society for the History of Technology.

Member, Latin American Studies Association.

Member, Society for the Social Studies of Science.

Member, Law and Society Association.