

GABRIELLE HECHT

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EDUCATION

Ph.D., History and Sociology of Science, University of Pennsylvania, 1992
M.A., History and Sociology of Science, University of Pennsylvania, 1988
S.B., Physics, Massachusetts Institute of Technology, 1986

POSITIONS

Frank Stanton Foundation Professor of Nuclear Security, Stanford University, 2017-

- Professor, Department of History
- Senior Fellow, Center for International Security and Cooperation, Freeman Spogli Institute
- Professor by courtesy, Department of Anthropology, 2019-

Additional affiliations:

- Center for African Studies
- Center for Global Ethnography
- Program in History and Philosophy of Science
- Program in Modern Thought and Literature
- Program in Science, Technology, and Society
- Program on Urban Studies

Professor, Department of History, University of Michigan, Ann Arbor, MI, USA, 2011-2017

- Program in Science, Technology, and Society, 1999-2017; Director, 2013-15, 2016-17
- Program in Anthropology and History, 1999-2017
- African Studies Center, Associate Director, 2013-14
- Associate Professor, Department of History, 1998-2011
- Associate Chair of Department, 2001-02
- Residential College, 1998-2005

Assistant Professor, Department of History, Stanford University, Stanford, CA, USA, 1993-98

- Courtesy appointment, Department of French and Italian, 1995-98
- Acting Assistant Professor, Department of History, 1992-93
- Visiting Lecturer, Program in Values, Technology, Science, and Society, 1992

Visiting Professor

- Sciences Po, Paris, France, 2012-13
- École des Hautes Études en Sciences Sociales, Paris, France, 2012-13
- Summer School in Comparative Social Science Studies, University of Oslo, Norway, 2012
- Department of Technology Management, Technische Universiteit Eindhoven, Netherlands, 2007

Visiting Scholar

- Department of Historical Studies, University of KwaZulu-Natal, Durban, South Africa, 2003-04
- Department of the History and Philosophy of Science, University of Melbourne, Australia, 2001
- Centre de Sociologie de l'Innovation, École des Mines, Paris, France, 1989-90 and 1996
- Lars Hierta Fellow, Department of History of Science and Technology, Royal Institute of Technology, Stockholm, Sweden, 1991

PUBLICATIONS

BOOKS

Uranium Africain, une histoire globale (Le Seuil, 2016).

- Book of the month, *La Recherche*, juin 2016
- Reviewed in *Le Monde Diplomatique*, *Politis*, *Jeune Afrique*, *Télérama*, etc.

Being Nuclear: Africans and the Global Uranium Trade (MIT Press and Wits University Press, 2012).

- Martin A. Klein Prize, American Historical Association, 2012
- Robert K. Merton Prize, American Sociological Association, 2013
- Honorable Mention, Herskovits Prize, African Studies Association, 2013
- Susanne M. Glasscock Humanities Book Prize, 2014
- Rachel Carson Prize, Society for the Social Studies of Science, 2016
- Japanese translation, Akashi Shoten, due 2021

Entangled Geographies: Empire and Technopolitics in the Global Cold War, editor (MIT Press, 2011).

The Radiance of France: Nuclear Power and National Identity after World War II (MIT Press, 1998; second edition 2009 with foreword by Michel Callon).

- Henry Baxter Adams Prize, American Historical Association, 1999
- Edelstein Prize, Society for the History of Technology, 2001
- Runner-up, Fleck Prize, Society for the Social Studies of Science, 2000
- First paperback edition, 2001; re-publication as an ACLS e-book, 2004

Le rayonnement de la France: Énergie nucléaire et identité nationale après la seconde guerre mondiale.

- First edition: Éditions de la Découverte, Collection Anthropologie des Sciences et Techniques, 2004
- Second edition: Éditions Amsterdam, 2014

Technologies of Power: Essays in Honor of Thomas Parke Hughes and Agatha Chipley Hughes, co-editor with Michael Thad Allen (MIT Press, 2001).

SPECIAL ISSUES

“Toxicity, Waste, and Detritus in the Global South: Africa and Beyond,” special issue of *Somatosphere*, Fall 2017. Co-editor with Pamila Gupta.

“Postcolonial technoscience,” special issue of *Social Studies of Science* Vol. 32, Nos. 5-6 (October-December 2002). Co-editor with Warwick Anderson.

ARTICLES, ESSAYS, & BOOK CHAPTERS

“Interscalar Vehicles for the African Anthropocene: On Waste, Temporality, and Violence,” *Cultural Anthropology* 33 (1, 2018): 109-141.

- Most downloaded article in *Cultural Anthropology*, 2018
- General Anthropology Division Prize for Exemplary Cross-Field Scholarship, American Anthropological Association, 2019

“Residue,” *Somatosphere*, Winter 2018.

“Toxicity, Waste, Detritus: An Introduction,” with Pamila Gupta, *Somatosphere*, Fall 2017.

“Confronting African Histories of Technology: A Conversation with Keith Breckenridge and Gabrielle Hecht,” with David Serlin, *Radical History Review* 127 (January 2017): 87-102.

“AHR Conversation: History after the End of History: Reconceptualizing the Twentieth Century,” with Manu Goswami, Adeeb Khalid, Anna Krylova, Elizabeth F. Thompson, Jonathan R. Zatin, and Andrew Zimmerman, *American Historical Review* 121, no. 5 (December 2016): 1567-1607.

“Nuclearity,” in Ele Carpenter, ed., *The Nuclear Culture Source Book* (Black Dog Publishing, 2016).

“On the Importance of the Visual... and of Mentoring,” *Technology and Culture* 55 (October 2014): 964-969.

“Radioactive Excess: Modernization as Spectacle and Betrayal in Postcolonial Gabon” in Peter J. Bloom, Takyiwaa Manuh, and Stephan F. Miescher, eds. *Modernization as Spectacle in Africa* (Indiana University Press, 2014).

“Invisible Production and the Production of Invisibility: Cleaning, Maintenance, and Mining in the Nuclear Sector,” Daniel Kleinman and Kelly Moore, eds., *Handbook on Science, Technology and Society* (Routledge, 2014): 346-361.

“The bananization of nuclear things,” *Somatosphere*, 18 November 2013.

- Reprinted as “Nuclear,” in Jennifer Wenzel and Imre Szeman, eds., *Fueling Culture: 101 Words for Energy and Environment* (Fordham University Press, 2017).

“L’Empire nucléaire: les silences des ‘Trente Glorieuses,’” in Céline Pessis, Sezin Topçu, & Christophe Bonneuil, dir., *Une autre histoire des Trente Glorieuses: Modernisation, contestations et pollutions dans la France d’après-guerre* (La Découverte, 2013): 159-187.

“Nuclear Janitors: Contract Workers at the Fukushima Reactors and Beyond,” *The Asia-Pacific Journal*, Vol 11, Issue 1, No. 2, January 14, 2012.

“The Work of Invisibility: Radiation Hazards and Occupational Health in South African Uranium Production,” *International Labor and Working Class History* 81 (Spring 2012): 94-113.

“AHR Conversation: Historical Perspectives on the Circulation of Information,” with Paul Edwards, Lisa Gitelman, Adrian Johns, Brian Larkin, and Neil Safier, *American Historical Review* 116, no. 5 (December 2011): 1393-1435.

“On the Fallacies of Cold War Nostalgia: Capitalism, Colonialism, and South African Nuclear Geographies,” in Gabrielle Hecht, ed., *Entangled Geographies: Empire and Technopolitics in the Global Cold War*, editor (MIT Press, 2011): 75-100.

“Hopes for the Radiated Body: Uranium Miners and Transnational Technopolitics in Namibia,” *Journal of African History* 51:2 (June 2010): 213-234.

- *Abstracted in:* Brian Dolan and Paul Blanc, eds., *At Work in the World: Proceedings of the Fourth International Conference on the History of Occupational and Environmental Health* (University of California Medical Humanities Press, 2012).

“History and the Technopolitics of Identity: The Case of Apartheid South Africa,” with Paul N. Edwards, *Journal of Southern African Studies* 36:3 (September 2010): 619-639.

“The Power of Nuclear Things,” *Technology and Culture* 51 (January 2010): 1-30.

- *Reprinted in* Suzanne M. Moon and Peter S. Soppelsa, eds., *The History of Technology: Critical Readings* (Bloomsbury Press, 2020).

“Africa and the Nuclear World: Labor, Occupational Health, and the Transnational Production of Uranium,” *Comparative Studies in Society and History*, 51/4 (October 2009): 896-926.

- *French translation:* “L’Afrique et le monde nucléaire: maladies industrielles et réseaux transnationaux dans l’uranium africain,” in Judith Rainhorn, ed., *Santé et travail à la mine, XIXe-XXIe siècle* (Presses universitaires du Septentrion, 2014).
- *Portuguese translation:* “África e o Mundo Nuclear: o trabalho, a saúde ocupacional e a produção transnacional de urânio,” pp. 75-120 in José Manuel Mendes and Pedro Araújo, eds. *Os Lugares (Im) possíveis da Cidadania: Estado e Risco num Mondo Globalizado* (Edições Almedina, 2012).
- *Abstracted in:* Brian Dolan and Paul Blanc, eds., *At Work in the World: Proceedings of the Fourth International Conference on the History of Occupational and Environmental Health* (University of California Medical Humanities Press, 2012).

“The Technopolitics of Cold War: Towards a Transregional Perspective,” with Paul N. Edwards. American Historical Association series in *Global and Comparative History*, 2007.

- *Reprinted in:* Michael Adas, ed., *Essays on Twentieth Century History* (Philadelphia: Temple University Press-AHA, 2010): 271-314.

“Quelques mots coloniaux à propos de la nucléarité exceptionnelle de la France, et de la banalité du nucléaire français,” *Cosmopolitiques* 16 (septembre 2007): 181-195.

“A Cosmogram for Nuclear Things,” *Isis* 98 (March 2007): 100-108.

“Nuclear Ontologies,” *Constellations* 13:3 (September 2006): 320-331.

- Reprinted in: Imre Szeman and Dominic Boyer, eds., *Energy Humanities: an Anthology* (Johns Hopkins University Press, 2017): 249-260.

“Negotiating Global Nuclearities: Apartheid, Decolonization, and the Cold War in the making of the IAEA,” in John Krige and Kai-Henrik Barth, eds., *Global Power Knowledge: Science, Technology, and International Affairs*, in *Osiris* 21 (July 2006): 25-48.

- Reprinted in: Massimo Mazzotti, ed., *History of Science* (Routledge, 2015).

“Techniques de la guerre froide en perspective mondiale: le nucléaire et l'informatique comme systèmes technopolitiques,” with Paul N. Edwards, in *Deux siècles d'histoire de l'armement en France. De Gribeauval à la force de frappe* (Éditions du CNRS, 2005): 167-178.

“Colonial Networks of Power: the Far Reaches of Systems,” *Annales historiques de l'électricité*, 2 (juin 2004): 147-158.

“Globalization meets Frankenstein? Reflections on Terrorism and Technopolitics in the Nuclear Age,” *History and Technology* 19 (March 2003): 1-8.

- Reprinted in: Alan O'Day, ed., *Weapons of Mass Destruction and Terrorism*, series on *International Library of Essays in Terrorism* (Ashgate, 2004).

“Rupture-talk in the Nuclear Age: Conjugating Colonial Power in Africa,” *Social Studies of Science* 32:5-6 (October-December 2002): 691-728.

“Technology, Politics, and National Identity in France,” in *Technologies of Power*, Allen and Hecht, eds. (MIT Press, 2001): 253-294.

“Authority, Political Machines, and Technology's History” co-authored with Michael Allen, in *Technologies of Power* Allen and Hecht, eds. (MIT Press, 2001): 1-24.

“Planning a Technological Nation: Systems Thinking and the Politics of National Identity in Postwar France,” in Agatha C. Hughes and Thomas P. Hughes, eds., *Systems, Experts, and Computers: The Systems Approach in Management and Engineering, World War II and After* (MIT Press, 2000): 133-160.

“Enacting Cultural Identity: Risk and Ritual in the French Nuclear Workplace,” *Journal of Contemporary History* (October 1997): 483-507.

“Peasants, Engineers, and Atomic Cathedrals: Narrating Modernization in Postwar Provincial France,” *French Historical Studies* 20:3 (Summer 1997): 381-418.

“Le regard américain sur la politique et la technique dans la nationalisation française,” in Laurence Badel, ed., *La nationalisation de l'électricité en France: Nécessité technique ou logique politique?* (Paris: Presses Universitaires de France, 1996): 531-537.

“Rebels and Pioneers: Technocratic Ideologies and Social Identities in the French Nuclear Workplace, 1955-1969,” *Social Studies of Science* 26:3 (August 1996): 483-530.

“Political Designs: Nuclear Reactors and National Policy in Postwar France,” *Technology and Culture* (October 1994): 657-685.

- 2019 Chinese translation (courtesy of the Max Planck Institute for the History of Science): 政治设计：核反应堆与“二战”后法国的. 科学史新论:范式更新与视角转换 2019.
- 2013 Greek translation: «Πολιτικοί σχεδιασμοί: Πυρηνικοί αντιδραστήρες και εθνική πολιτική στη μεταπολεμική Γαλλία,» in *Ιστορίες της τεχνολογίας του εικοστού αιώνα: Ηλεκτρικά αυτοκίνητα, Ξύλινα αεροπλάνα, Γαλλικοί αντιδραστήρες, Γυναίκες υπολογιστές, Τέλης Τύμπας and Ειρήνη Μεργούπη-Σαβαΐδου, Πανεπιστημιακές Εκδόσεις Κρήτης*: 163-216.
- 1996 Abbott Payson Usher Prize from the Society for the History of Technology.

“Constructing Competitiveness: the Politics of Engineering Work in the French Nuclear Program, 1955-1969,” in *Technological Competitiveness: Contemporary and Historical Perspectives in the Electrical, Electronics, and Computer Industries* (IEEE Press, 1993): 326-351.

“Living with large scale technology,” *Techniques et cultures* 19 (1993): 73-101.

REVIEWS

Pierre Fournier, *Travailler dans le Nucléaire* (Armand Colin, 2012), *Revue Travail et Emploi* (2013).

Scott Gabriel Knowles, *The Disaster Experts: Mastering Risk in Modern America* (University of Pennsylvania Press, 2011), *Isis* 103, No. 4 (December 2012), pp. 771-772.

Helen Purkitt and Stephen Burgess, *South Africa's Weapons of Mass Destruction* (Indiana University Press, 2005), *Journal of Southern African Studies*, 33 (June 2007), No. 2.

Ben Lewis, director, *Blowing Up Paradise* (First Run/Icarus Films, 2005), in *H-France Review* vol. 7 (February 2007), No. 10.

Maurice Daumas, *Le Cheval de César ou le mythe des révolutions techniques* (Editions des Archives Contemporaines, 1991) in *Isis* (September 1993).

Robert L. Frost, *Alternating Currents: Nationalized Power in France, 1946-1970* (Cornell University Press, 1991) in *Technology and Culture* (October 1992).

Edward Kolodziej, *Making and Marketing Arms: the Implications of the French Experience for the International System* (Princeton University Press, 1988) in *Isis*, 79 (December 1988).

WORK IN PROGRESS

Inside-Out Earth: Residual Governance under Extreme Conditions. Single-author essay collection in preparation.

The Anthropocene, Apotheosis of Waste. Special issue of *Antipode*, co-edited with Rosalind Fredericks and Mohammed Rafi Arefin, to be submitted for review in 2020.

“Résidus de l’anthropocène en Afrique,” commissioned by *Politique Africaine* for its 40th anniversary volume. Manuscript due August 2020.

“One planet, many voices,” co-authored with Will Steffen, Julia Adeney Thomas, Mark Williams, and Buhm Soon Park. To be submitted for review in April 2020.

“No Need To Wash The Goose (a meditation on waste),” forthcoming in Anna L. Tsing, Jennifer Deger, Alder Keleman Saxena, and Feifei Zhou, eds., *Feral Atlas: The More-than-Human Anthropocene* (Stanford University Press, forthcoming 2020).

“Residual Governance Choreographs Violence in the Anthropocene,” in Anna L. Tsing, Jennifer Deger, Alder Keleman Saxena, and Feifei Zhou, eds., *Feral Atlas: The More-than-Human Anthropocene* (Stanford University Press, forthcoming 2020).

“Inside-Out Earth,” forum on History in the Anthropocene, *American Historical Review*, submitted for review in 2019.

PUBLIC ENGAGEMENT

ESSAYS

“Human Crap,” *Aeon*, 25 March 2020.

“Does Chernobyl Still Matter?” *Public Books*, 22 November 2019.

“Air in the Time of Oil,” *LA Review of Books*, 21 January 2019.

“The African Anthropocene,” *Aeon*, 6 February 2018.

- Reposted/pinged on *Our Place in the World: A Journal of Ecosocialism; Millenium Alliance for Humanity and Biosphere (MAHB); Bulletin of the Atomic Scientists*; elsewhere.
- Korean translation: 가브리엘 헤트, “아프리카 인류세,” *과학잡지 에피*, 8호 (2019): 58-75. (Translation by the Center for Anthropocene Studies, Korea Advanced Institute for Science and Technology, Seoul).
- Estonian translation: “Aafrika antropotseen,” *Vikerkaar*, August 2019.

“Taking on the Technosphere: A Kitchen Debate,” with Paul N. Edwards. *Anthropocene Campus: The Technosphere Edition*, Haus der Kulturen Welt, August 2016.

- Republished in *Technosphere Magazine*, May 2019.

“Field Notes from a Nuclear Nerd,” *Toxic News*, 3 May 2016.

“Does Africa Really Want Yesterday’s Future?” *The African Technopolitan*, July 2015: 42-46.

“An elemental force: Uranium production in Africa, and what it means to be nuclear,” *Bulletin of the Atomic Scientists*, 68/2 (March/April 2012): 22-33.

“Nuclear nomads: A look at the subcontracted heroes,” *Bulletin of the Atomic Scientists*, 9 Jan. 2012.

“Uranium from Africa,” *Chimurenga 14: Everyone Has Their Indian* (March 2009).

“Should the IAEA Stay Out of Politics? Can It?” *History News Network*, 8 Oct. 2007.

FEATURED INTERVIEWS

- “Untangling Uranium,” interview by Becky Alexis-Martin, *The Extractive Industries and Society*, 19 December 2019. doi.org/10.1016/j.exis.2019.12.009.
- “Teaching Infrastructures: A Conversation with Gabrielle Hecht,” interview by Isabel M. Salovaara, *Teaching Tools, Fieldsights*, August 8 2019. <https://culanth.org/fieldsights/teaching-infrastructures-a-conversation-with-gabrielle-hecht>
- “How Extraction Fuels Anthropocenes,” *Edge Effects*, interview by Stepha Velednitsky, February 2019.
- “Mining, and Minding, Africa,” *Against the Grain*, KPFA radio, Interview by C.S. Soong, April 2018, re-aired October 2018.
- “Impact,” Roundhouse Radio, interview by Don Shafer, February 2018.
- *Cultures of Energy* podcast, interview by Dominic Boyer & Cymene Howe, January 2017.
- “Le champ des possibles,” *Médiapart*, interview by Jade Linaard & Joseph Confraveux, July 2016.
- Portail des humanités environnementales, interview by Patrick Degeorges, April 2016.
- “Nuclear Power in France and Beyond,” interview by Myanna Dellinger, *The Global Energy and Environmental Law Podcast*, March 2016.
- “Nuclear Ontologies, Technopolitics in Postcolonial Spaces, and the Cold War as Transnational History,” interview by Maximilian Mayer in M. Mayer et al. (eds.), *The Global Politics of Science and Technology*, Vol. 1 (Springer-Verlag, 2014). Previewed on Theory-talks.org, July 2014.
- New Books in Science, Technology, and Society, interview with Carla Nappi, November 2013.
- “Penser le nucléaire: rencontre avec Gabrielle Hecht,” salon hosted by the Lieu-Dit, Paris, May 2013.
- “Technopolitique du nucléaire: entretien avec Gabrielle Hecht,” *Revue des Livres*, n. 11, mai-juin 2013.

- “Radio-Activity: Creating Everyday Revolution After Fukushima,” event hosted by Todos Somos Japón/16 Beaver, New York City, October 2012.
- *Against the Grain*, KPFA radio, Interview by C.S. Soong, July 2012, re-aired August 2013.
- *Berfrois*, April 2012.
- Profile by Patrick Piro, “L’étendard français du nucléaire,” *Politis* n° 862 (juillet-août 2005). Reprinted in *Politis hors série* (février-mars 2011).

SHORT INTERVIEWS & BRIEFINGS

Government: US Senate Committee on Investigations, for report on *Wall Street Bank Involvement with Physical Commodities*, 2014; Institut de Radioprotection et de Sécurité Nucléaire, Fontenay-aux-Roses, France.

Television and film: “Uranium” (working title), film directed by Larbi Benchiha, France Télévisions, forthcoming 2018; “Terres nucléaires,” film directed by Kenichi Watanabe, ARTE, 2015; *La Recherche & Histoire*, 2013; “Atomic Africa,” film directed by Marcel Kolvenbach, Deutschewelle, 2013

Radio: BBC; CBC; Radio France Internationale; KALA; Voice of America; WORT; KCBS; and more.

Print and web media: *The New York Times*; *Foreign Affairs*; *Mother Jones*; *OneZero*; *Motherboard* (VICE); *El País*; *Business Insider*; *NRC Handelsblad*; *The Daily Beast*; Center for Public Integrity; *forum* (Luxembourg); *Geographical Magazine*; Reuters; *Think Africa Press*; *National Journal*; *Atlantico.com*; *Het Financieele Dagblad*; and more.

GRANTS, FELLOWSHIPS, & AWARDS

NATIONAL & INTERNATIONAL

General Anthropology Division Prize for Exemplary Cross-Field Scholarship, American Anthropological Association, for “Interscalar Vehicles for the African Anthropocene,” *Cultural Anthropology*, 2019

Rachel Carson Prize, Society for the Social Studies of Science, for *Being Nuclear*, 2016

Susanne M. Glasscock Humanities Book Prize for Interdisciplinary Scholarship, Melburn G. Glasscock Center for Humanities Research at Texas A&M University for *Being Nuclear*, 2014

Melville J. Herskovits Honorable Mention, African Studies Association for *Being Nuclear*, 2013

Robert K. Merton Prize, Science, Knowledge, and Technology section, American Sociological Association, for *Being Nuclear*, 2013

Martin A. Klein Prize in African History, American Historical Association, 2012, for *Being Nuclear*.

Mellon Foundation, “Joining theory and empiricism in the remaking of the African Humanities: A transcontinental collaboration,” core faculty (PIs Derek Peterson and Keith Breckenridge), 2013-2018

National Science Foundation Scholar’s Award, SES-0848568. PI for “Uranium from Africa and the Power of Nuclear Things,” 2009-11

National Endowment for the Humanities Fellowship, 2009-10

National Science Foundation Doctoral Dissertation Research Improvement Grants:

- SES-1329575. Co-PI Robyn d’Avignon, for her research on “Off the Grid: Informal Energy Entrepreneurship in the Republic of Guinea,” 2013-14
- SES-1155907. Co-PI Davide Orsini, for his research on “Living in the Nuclear Archipelago: Cold War Technopolitics and US Nuclear Submarines in Italy,” 2012-13
- SES- 0924564. Co-PI Kenneth Garner, for his research on “Seeing Is Knowing: Objectivity and the Creation of French Visual Culture, 1870-1930,” 2009-10
- SES- 0823211. Co-PI Stephen Sparks, for his research on “Internationalizing Apartheid: The Technopolitics of South Africa’s Synthetic Coal-to-Oil Project,” 2008-09

National Research Foundation (South Africa), collaboration with Keith Breckenridge, support for “Technopolitics in Africa,” 2006

Society for the History of Technology, collaboration with Keith Breckenridge, support for “Technopolitics in Africa,” 2006

Nederlandse Organisatie voor Wetenschappelijk Onderzoek (Netherlands), dossier 360-53-020. Participating researcher (PI Harry Lintsen), “Technology and the Civilizing Mission,” 2004-07

National Endowment for the Humanities Collaborative Research Grant, PI, “Technology and Empire in the Nuclear Age: A Global and Local History of Uranium Mining,” with consultant Bruce Struminger, 2004-07

National Science Foundation Grant, SES-0237661. PI for “Technology and Empire in the Nuclear Age: A Global and Local History of Uranium Mining,” 2003-04

National Endowment for the Humanities Fellowship, 2003-04

National Science Foundation Grant, SES-0129823. Co-PI (PI Thomas J. Misa), “Technology in the Making of 20th Century Europe,” 2002-04, extended through 2007

Scheduled Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, CA, 2002 (declined)

Edelstein Prize, Society for the History of Technology, for *The Radiance of France*, 2001

Henry Baxter Adams Prize, American Historical Association, for *The Radiance of France*, 1999

Frederick Burkhardt Fellowship, American Council for Learned Societies, 2000-01

Abbott Payson Usher Prize, Society for the History of Technology, for “Political Designs: Nuclear Reactors and National Policy in Postwar France,” *Technology and Culture*, 1996

National Endowment for the Humanities Research Grant, 1995-96

National Endowment for the Humanities Summer Stipend, 1994

Chancellor’s Ethnic Minority Postdoctoral Fellowship, University of California, Berkeley, 1992
(declined)

Levinson Prize, Society for the History of Technology, for “Political Designs: Nuclear Reactors and National Policy in France” (in mss form), 1991

Newcomen Prize, Newcomen Society, for “Political Designs: Nuclear Reactors and National Policy in France” (in mss form), 1991

Institute for Electrical and Electronics Engineers Fellowship, 1991-92

National Science Foundation, Doctoral Dissertation Research Improvement Grant, 1991-92

National Science Foundation Graduate Fellowship, 1987-90

INTERNAL

Course development grant to support “Nuclear Insecurity in the Bay Area and Beyond,” Vice Provost for Undergraduate Education, Stanford University, 2019-20

Cardinal Course grant to support “Nuclear Insecurity in the Bay Area and Beyond,” Haas Center for Public Service, Stanford University, 2019-20

Senior Fellow, Michigan Society of Fellows, University of Michigan, appointed 2016-20, withdrew 2017

Nominated (twice) for Golden Apple Award, undergraduate student-nominated award for outstanding university teaching, University of Michigan, 2015, 2017

Mary I. and David D. Hunting Family Fellow, Institute for the Humanities, University of Michigan, 2015-16

Scholarship/Research Award, for French translation of *Being Nuclear*, University of Michigan, 2014

Michigan Humanities Award, University of Michigan, 2012

Lead Faculty for *Environment, Information, and Sustainable Development: the Asia-Africa Nexus*, Presidential Junior Faculty Initiative award for a four-person cluster hire in the Department of History, the Department for Afroamerican and African Studies, the School of Information, and the School of Natural Resources and Environment. Awarded 2009.

Eisenberg Institute for Historical Studies Faculty Fellow, University of Michigan, 2008-09

South Africa Initiatives Office, University of Michigan, support for workshop on *Technopolitics in Africa*, 2006

Rackham Faculty Fellowship Enhancement Award, University of Michigan, 2003, 2007, 2009

Faculty Career Development Award, University of Michigan, 2000
Research Partnership Award, University of Michigan, 2000
Course Development Grants for *Race, Gender, and Empire in the Nuclear Age*, Center for Research on Teaching and Learning, University of Michigan, 1999, 2001
Office of Technology Licensing Grant, Stanford University, 1998
Stanford Humanities Center Dean's Fellow, Stanford University, 1997-98
Kratzer Travel Grant, Stanford University, 1997
Hewlett Grant in International Studies, Stanford University, 1995-96
McNamara Faculty Fellow, Stanford University, 1995-96
Dean's Award, Stanford University, 1996
Mellon Fellowship, University of Pennsylvania, 1990-91
University Fellowship, University of Pennsylvania, 1986-87
Sigma Pi Sigma, Physics Honor Society, Massachusetts Institute of Technology, 1985

LECTURES, PAPERS, PUBLIC APPEARANCES

TALKS

Working and Breathing in Global Africa

Keynote, International Conference on the History of Occupational and Environmental Health, Durban, South Africa, May 2020 – postponed to 2022.

Elemental Ingestions and Secret Wars

Penn Program in Environmental Humanities, University of Pennsylvania, October 2020

STS in and on the Global South: Teaching and Collaborations

Dept. of History and Sociology of Science, University of Pennsylvania, October 2020

La Terre à l'envers: résidus de l'anthropocène en Afrique

Special event hosted jointly by: Université de Paris Descartes; Centre Koyré; Centre de recherche médecine, sciences, santé, et société. Paris, France, December 2019

Inside-Out Earth: Residues of the Anthropocene in Africa

- Narrating the Anthropocene: Memories, Imaginaries, and Knowledges, KAIST Center for Anthropocene Studies & National Folk Museum of Korea, Seoul, December 2019
- Decolonising the Nuclear, Department of Media, Communications and Cultural Studies, Goldsmiths, University of London, UK, October 2019
- Institute for Advanced Studies, University College London, UK, October 2019

L'obscurité nucléaire en trois déclinaisons

Quelle vérité sur le nucléaire? Théâtre National Wallonie, Bruxelles, Belgium, September 2019

Air in the Time of Oil: Regulatory Arbitrage and Urban Life in Africa
Society for the Social Studies of Science, New Orleans, September 2019

Residual Governance, or How African Anthropocenes Foretell Planetary Futures

- **Keynote**, Environmental Humanities Workshop, Northwestern University, Chicago April 2019
- Fordham University, New York, April 2019
- WiSER, Wits University, South Africa, March 2019
- **Humanities without Boundaries lecture**, Center for the Humanities, University of Wisconsin – Madison, February 2019

Engines of the Anthropocene: Regulatory Arbitrage and Urban Life in Africa
African Studies Association, Atlanta, November 2018

Residual Governance: Mining Afterlives and Molecular Colonialism, seen from an African Anthropocene

- Center for African Studies, Stanford, November 2018
- Department of Anthropology, University of California – Santa Cruz, April 2018.
- Critical Urbanisms, University of Basel, Switzerland, December 2017
- African Studies Association, Chicago, November 2017
- Technopolitics and Empire: New Directions in Science Studies, UC Berkeley, November 2017
- **Keynote**, STS Underground: Investigating the Technoscientific Worlds of Mining and Subterranean Extraction, Colorado School of Mines, February 2017

L'uranium africain est-il nucléaire?

Laboratoire Interdisciplinaire des Énergies de Demain, Université Paris-Diderot, France, December 2017

Nuclear AnthroScenes

Keynote, Making the World Nuclear After Hiroshima, Stanford University, May 2017

Rethinking the Nuclear Age: a View from Africa

Keynote, Nuclear Politics, Buffett Institute International Organization/International Law Working Group, Northwestern University, Chicago, April 2017

Fighting the Technosphere, and other Anthropocenic Angsts (A Kitchen Debate) (with Paul Edwards)
Society for the Social Studies of Science, Barcelona, Spain, August 2016

Topographically Toxic

Toxicity, Waste, Detritus Workshop, Durban, South Africa, July 2016

Making War in Secret for the Future

- Whose? Reading the Anthropocene and the Technosphere from Africa, Berlin, Germany, April 2016
- Toxic Symposium, Yale University, New Haven, March 2016

Toxic Tales from the African Anthropocene

- University of Chicago, June 2016.
- Department of Anthropology, City University of New York Graduate Center, March 2016
- African Studies Association, San Diego, November 2015
- **Keynote**, Technopolitics in Transitional Societies, Tallinn, Estonia, June 2015

- **Keynote**, Dreaming of Health and Science in Africa, Hinxton, UK, June 2015
- Department of History, Stanford University, Palo Alto, April 2015
- **Keynote**, Energy Challenges in the Developing World, UC Santa Barbara, February 2015
- UC Berkeley Geography Colloquium, February 2015
- Consortium for the History of Science, Technology, and Medicine, Philadelphia, January 2015

Ordering Uranium from Africa

Re-imagining the Global Nuclear Order, Oxford University, UK, September 2015

Waste, Scale, and Materiality in the African Anthropocene

Max Planck Institute for the History of Science, Berlin, Germany, May 2015

Rethinking the Nuclear Age: the View from Africa, and its Implications for Policy

Center for International Security and Cooperation, Stanford University, April 2015

Waste, Value, and Radioactive Excess in Africa

- **Hans Rausing lecture**, University of Cambridge, UK, May 2014
- Symposium of the Program in Anthropology and History, University of Michigan, February 2014

The Value and Violence of Waste

Society for the History of Technology, Dearborn, November 2014

Ontologies of Waste

- American Historical Association, New York, January 2015
- Kemp Symposium on Geography and History, University of Michigan, October 2014

Global Atomic Inequalities: Marginal Work in the Nuclear Sector

XVIII World Congress of Sociology, Yokohama, Japan, July 2014

Slow Catastrophe

Doomsday Clock Symposium, Bulletin of the Atomic Scientists, Washington DC, November 2013

L'exploitation de l'uranium en Afrique subsaharienne

Séminaire de formation des recherches en Afrique, EHESS, Paris, May 2013

À la recherche des archives perdues : du côté du Gabon et de la Namibie

Séminaire Les sources de l'histoire du fait colonial, EHESS, Paris, April 2013

L'Afrique et le monde nucléaire : maladies industrielles et réseaux transnationaux dans l'uranium gabonais, namibien, et sud-africain

Sciences Po – Bordeaux, France, March 2013

Nucléarités, marchés, et santés dans l'uranium africain

- Séminaire Nucléaire, énergie, environnement, déchets, société, CNRS, Paris, France, May 2013
- Université Paris-Sorbonne & Université Pierre et Marie Curie, Paris, France, April 2013
- Séminaire Des communautés internationales et des risques. Science, justice et politique dans les crises contemporaines, EHESS, Paris, France, April 2013

- Les impromptus du CENS, Centre Nantais de Sociologie, Nantes, France, January 2013
- Séminaire Les entreprises face aux tensions entre global et local, EHESS & Collège des Bernardins, Paris, France, January 2013
- Centre de sociologie des organisations, Sciences Po, Paris, France, September 2012

Uranium from Africa and the Power of Nuclear Things

- London School of Economics, UK, March 2013
- National Museum of Scotland, Edinburgh, Scotland, March 2013
- Burden or Benefit? The Future of Nuclear Waste, Kärnavfallsrådet (Swedish National Council for Nuclear Waste), Stockholm, Sweden, November 2012
- **Nicholas Mullins lecture**, Virginia Tech, Blacksburg, March 2012
- University of Houston, TX, February 2012
- University of Pennsylvania, Philadelphia, October 2011
- Washington University, St. Louis, September 2011
- Eisenberg Institute for Historical Studies, University of Michigan, January 2011
- University of Maryland, College Park, April 2009
- Engaging Africa / Advancing African Studies, University of Michigan African Studies Center Launch Conference, March 2009

Le prix de la souveraineté: l'uranium françafricain

- Séminaire Histoire des relations internationales, Sciences Po, Paris, March 2013.
- Séminaire Guerre et environnement, EHESS, Paris, February 2013.

Les déchets contre-attaquent : ruines invisibles et excès radioactifs en Afrique

Séminaire SPHERE-CEMAf, Mémoires des sciences, traces du développement en Afrique, Paris, January 2013.

Repenser l'histoire de l'ère nucléaire à travers l'uranium africain

Département d'histoire, Sciences Po, Paris, January 2013.

Maladies industrielles et réseaux transnationaux dans les mines d'uranium en Afrique

Séminaire Histoire environnementale du monde contemporain, EHESS, Paris, November 2012

Le travail nucléaire

Séminaire Maladies industrielles et mobilisations collectives, Centre Pouchet, Université de Paris VIII, Paris, October 2012

Ordinary risks, nuclear things

Risk after Fukushima: Crisis, Disasters and Governance, Centre d'études et de recherches internationales, Sciences Po, Paris, September 2012

Proliferating Markets: the Transnational Trade in Uranium from Africa

- **Keynote**, European Business History Association and Business History Society of Japan, Paris, August 2012
- **Keynote**, ST Global, National Academies, Washington, DC, March 2012

Infrastructures of Invisibility
Midwest STS, Chicago, May 2012

Knowing the Invisible: Climate Change, Nuclear Things, and their Entangled Histories (with Paul Edwards)

- Economic Dinner Group, Ann Arbor, April 2012
- Rice University, Houston, February 2012

Doing Nuclear Work: Africans and the Global Uranium Trade
Brown University, Providence, February 2012

Dealing with Disasters: Perspectives on Fukushima from the History and Social Studies of Science and Technology

Plenary, joint meeting of the Society for the History of Technology, the Society for the Social Studies of Science, and the History of Science Society, Cleveland, November 2011

Risques professionnels et réseaux transnationaux dans les mines d'uranium en Afrique
Centre Pouchet, Université de Paris VIII, Paris, June 2011.

Uranium africain et choses nucléaires

- Centre de Sociologie de l'Innovation, École des Mines de Paris, Paris, June 2011
- École normale supérieure, Paris, March 2010

The Price of Sovereignty: Modernity, Development, & the Commodification of Uranium in 1970s Gabon
African Studies Association, San Francisco, November 2010

Souveraineté nucléaire, nucléarité souveraine: l'uranium africain en circulation
Centre Alexandre Koyré, École des hautes études en sciences sociales, Paris, March 2010

Hopes for the Irradiated Body: Uranium Miners, Occupational Exposure, and Transnational Networks in Gabon and Namibia

- History of Occupational and Environmental Health Conference, San Francisco, June 2010
- African Studies Association, New Orleans, November 2009

Africa and the Nuclear World: Labor, Occupational Health, and the Transnational Production of Uranium

- Distinguished Speaker, Maryland Colloquium in History of Technology, Science and Environment, University of Maryland, College Park, April 2009
- Risco e Estado num Mundo Globalizado / Risk and State in a Globalized World, Universidade de Coimbra, Coimbra, Portugal, June 2009
- Science, Technology, and the Environment in Africa, University of Texas-Austin, March 2009

Proliferating Markets: the Transnational Trade in Uranium from Africa
Center for International Security and Cooperation, Stanford University, Palo Alto, February 2009

Nucléarité, dé/colonisation et uranium africain

Nucléaire et développement régional, Université François Rabelais, Tours, France, December 2008

Nuclear Histories in Europe and Africa

Center for World Affairs & the Global Economy, University of Wisconsin, Madison, September 2008

African Bodies and Nuclear Things: Scenes from the Transnational Production of Uranium

- Yale University, New Haven, March 2009
- Stanford University, February 2009
- University of Wisconsin, Madison, September 2008
- Technology and Formations of Power, University of California-San Diego, May 2008
- Dangerous Trades: Histories of Industrial Hazard Across a Globalizing World, SUNY, December 2007
- Technische Universiteit Eindhoven, Netherlands, April 2007
- University of Toronto, Toronto, Canada, March 2007

The Power of Nuclear Things

Society for the History of Technology 50th anniversary workshop. Washington, DC, October 2007

Global Nuclear Geographies: market capitalism, colonial power, and South African uranium

Bodies, Networks, Geographies: Colonialism, Development, and Cold War Technopolitics, Eindhoven, Netherlands, April 2007

The Technopolitics of Secrecy and Activism under Apartheid

African Studies Association, San Francisco, November 2006

Scenes from the Nuclear Life of Radon

History of Science Society, Vancouver, Canada, November 2006

Uranium from Africa: Making, Marketing, and Moving the 'Nuclear'

Society for the Social Studies of Science, Vancouver, Canada, November 2006

Technopolitics in the Construction and Destruction of Apartheid South Africa, with Paul N. Edwards

Technopolitics in Africa, Ithala, South Africa, July 2006

Quelques scènes tirés de la vie nucléaire du radon

Les risques nucléaires, Université Louis Pasteur/École des Mines, Paris, March 2006

What's so "nuclear" about uranium mining? Colonial geographies and the constitution of expertise

American Society for Environmental History, St. Paul, March 2006

Peaceful Proliferation? The unlikely history of the IAEA

Nobel Symposium, Center for the Study of Complex Systems, University of Michigan, December 2005

Apartheid Exposures: Health, Secrecy, and Surveillance in South African and Namibian Uranium Production

African Studies Association, Washington, DC, November 2005

Mapping Nuclear Ontologies

Bodies, Networks, Geographies: Colonialism, Development, and Cold War Technopolitics, Ann Arbor, October 2005

Technopolitics and the Translucent State: Apartheid and the Cold War with Paul N. Edwards:

- Society for the Social Studies of Science, Pasadena, October 2005
- African History Group, University of Michigan, Ann Arbor, April 2005
- Northwestern University, Evanston, April 2005

Nuclear Ontologies

Atomic Sciences, Princeton University, November 2004

Camouflaging Geopolitics under Apartheid, with Paul N. Edwards

Society for the History of Technology, Amsterdam, Netherlands, October 2004

Is technology redefining Europe in a global context? An American in Southern Africa on the historical sins perpetrated by this question

Tensions of Europe First Plenary Conference, Budapest, Hungary, March 2004

Les réseaux coloniaux d'énergie: aux extrémités des systèmes

Networks of Power - 20e anniversaire de l'ouvrage de Thomas P. Hughes, Université de Bordeaux & Maison des Sciences de l'Homme d'Aquitaine, Bordeaux, France, December 2003

Rupture Talk in the Nuclear Age

- Department of Historical Studies, University of KwaZulu-Natal – Durban, South Africa, September 2003
- Wits Institute for Social and Economic Research, University of the Witwatersrand, Johannesburg, South Africa, August 2003

Globalization meets Frankenstein? Reflections on Terrorism and Technopolitics in the Nuclear Age

- **Keynote**, Svenksa Nationalkommittén för Teknikhistoria, Norrköping, Sweden, April 2002
- **Plenary**, Society for the Social Studies of Science, Cambridge, November 2001

Decolonization in the Nuclear Age: Uranium Mining in Gabon and Madagascar

- Eindhoven Technical University, The Netherlands, November 2001
- Science, Technology and Society program, University of Michigan, September 2001
- University of Melbourne, Australia, July 2001
- Joint University of California (Berkeley/San Francisco) workshop, April 2001
- Department of History and Sociology of Science, University of Pennsylvania, March 2001

Techniques de la guerre froide en perspective mondiale: le nucléaire et l'informatique comme systèmes technopolitiques, with Paul Edwards

Colloque sur l'histoire de l'armement, Ecole Militaire, Paris, January 2001

L'Afrique nucléaire. Réflexions sur l'identité et les pratiques technopolitiques dans les mines d'uranium

- Université de Montréal, Canada, October 2000
- Séminaire sur La construction des savoirs hors d'occident: L'hybridation des pratiques, Centre d'Histoire des Sciences et Techniques, La Villette, Paris, France, May 1999

Fueling Power: Uranium Mining and Colonialism in the Nuclear Age

- Energy Conference, Stavanger, Norway, August 2000
- Stanford Humanities Center, Stanford, April 1998

Power and (Post)colonial Identities

Program in Science, Technology, and Society, Massachusetts Institute of Technology, April 2000

L'Homme d'action in France and Africa

Society for French Historical Studies, Scottsdale, March 2000

Categorizing Modernities and Modernizing Categories

Technology and Modernity: The Empirical Turn, University of Twente, Netherlands, November 1999

Writing the History of European Technology in the 20th Century

Tensions of Europe: Twentieth Century European History of Technology, Eindhoven University of Technology, Netherlands, November 1999

Le Rayonnement de la France: énergie nucléaire et identité nationale après la guerre

- Sorbonne-Université de Paris IV, Paris, November 1999
- Centre pour l'histoire de la défense, Ecole Militaire, Paris, May 1999

Technoscience and Postcolonial Subjectivities: Uranium Miners in Gabon and Madagascar

Society for the Social Studies of Science, San Diego, October 1999

Nationalism, Colonialism, and Technopolitical Defiance in Postwar France

Defiant Modernism, Science Museum, London, UK, June 1999

Mining Colonies: Technology, Race, and Empire in the Nuclear Age

- Hagley Museum and Library, Wilmington, March 2000
- University of Amsterdam, Netherlands, May 1999

Histoire, mémoire et nation dans deux régions nucléaires françaises

Centre Alexandre Koyré, Paris, France, May 1999

Nuclear Travels: Researching the History of Uranium Mining in Gabon and Madagascar

Residential College Faculty Seminar, University of Michigan, Ann Arbor, February 1999

Technology, Colonialism, and Race in the Nuclear Age

- Science Studies Program, University of California, San Diego, December 1998
- Northwestern University, Evanston, April 1999
- Society for the History of Technology, Baltimore, October 1998
- Materializing Cultures: Science, Technology, and Medicine in Global Contexts, Stanford, May 1998

Technology, Politics, and National Identity

- Department of Science and Technology Studies, Cornell University, Ithaca, November 1997
- Department of History, University of Michigan, Ann Arbor, December 1997

Gender, Race, and Technology

Expanding the Audience for Science and Engineering, Stanford University, June 1997

Regimes of Work

Atlanta Seminar in the Comparative History of Labor, Industry, Technology, and Society, April 1997

Warring Systems

Bay Area Technology and Culture Discussion Group, San Francisco, February 1997

Is Technology Politics? Historical and Historiographical Strategies

University of California History of Science Conference, Berkeley, January 1997

Re-inventing a Nation: The Construction of Technological Styles in Cold War France

Society for the History of Technology, London, UK, August 1996

Atomic Vintage: Technology and the Making of Postwar France

Centre de Sociologie de l'Innovation, Ecole des Mines, Paris, May 1996

Planning a Technological Nation: Systems Thinking and the Politics of National Identity in Postwar France

The Spread of the Systems Approach, MIT, Cambridge, May 1996

Le point de vue des Américains sur les aspects politiques et techniques de la nationalisation en France

La nationalisation de l'électricité en France: Nécessité technique ou logique politique? Paris, April 1996

Atoms and People: Technology and the State in Provincial France, 1953-1970

Society for French Historical Studies, Atlanta, March 1995

Nuclear Spelunking and Technological Grandeur: Enacting Cultural Identity in the French Nuclear Workplace

- Department of History, University of California — Los Angeles, December 1995
- European History Workshop, Stanford University, February 1995
- Bay Area Technology and Culture Discussion Group, Palo Alto, March 1995

Atomic Vintage: Regional Culture and National Identity in Postwar France

American Historical Association, Chicago, January 1995

Nuclear Spelunking: Danger, Risk, and Safety after a French Nuclear Accident

- Massachusetts Institute of Technology, April 1994
- Hagley Museum and Library, October 1993

Hierarchies of Risk: Cultures of Work and Radiation Protection in French Nuclear Reactors, 1958-69

- Harvard University, Cambridge, March 1993
- Society for the History of Technology, Uppsala, Sweden, August 1992

Nuclear Power and Regional Culture in France

Society for the Social Studies of Science and the European Association for the Study of Science and Technology, Gothenburg, Sweden, August 1992

Designing Policy and Building Reactors in Postwar France

Society for the History of Technology and the History of Science Society, Madison November 1991

Constructing Competitiveness in Postwar France: the Case of Nuclear Power, 1955-1969

IEEE conference on “Technological Competitiveness,” East Brunswick, October 1991

Political Designs: Nuclear Reactors and National Policy in France

- Stanford University, April 1991
- Royal Institute of Technology, Stockholm, Sweden, September 1991
- Linköping University, Linköping, Sweden, September 1991
- University of Delaware, Wilmington, October 1991
- University of California-Davis, November 1992

Technological Choices? Gas-Graphite Reactors in France, 1945-1960

American Association for the Advancement of Science, Washington DC, February 1991

Culture Technique: la filière française des réacteurs à gaz

- Ecole des Mines, Paris, March 1990
- Cité des Sciences et Industrie (La Villette), Paris, May 1990

Technology and Patriotism in France: Perceptions of Nuclear Technology, 1945-1955

Society for the History of Technology, Wilmington, October 1988

PUBLIC FORUMS, ROUND TABLES, & COMMENTS

Things Look Fine, But We're Doomed: Studying, and Stopping, Catastrophe

Center for International Security and Cooperation, Stanford University, November 2020

Agency and Disasters

Narrating the Anthropocene: Memories, Imaginaries, and Knowledges, KAIST Center for Anthropocene Studies & National Folk Museum of Korea, Seoul, December 2019

The Anthropocene as a Provocation to the History of Technology

Society for the History of Technology, Milan, Italy, October 2019

Author Meets Critics: Radiation Brain Moms and Citizen Scientists: The Gender Politics of Food Contamination after Fukushima, by Aya Hirata Kimura

Society for the Social Studies of Science, New Orleans, September 2019

Interrogating the Plantationocene: an Anthropocene Seminar

University of Wisconsin – Madison, February 2019

Fire and Ice: The Shifting Narrative of Climate Change

Forum for the Academy and the Public, University of California, Irvine, February 2019

It's Complicated: Conversations on How Architecture and the Environment Relate

Canadian Centre for Architecture, Montreal, Canada, June 2018

Timescales, Memory, and Nuclear Geographies

Science & Justice Research Center, University of California — Santa Cruz, May 2018

Author Meets Critics: *Being Nuclear: Africans and the Global Uranium Trade*

Society for the Social Studies of Science and the European Association for the Study of Science and Technology, Barcelona, Spain, August 2016

Learning from Africa's Technology Stories

Society of the History of Technology, Albuquerque, NM, October 2015

L'électrification rurale dans l'Afrique post-coloniale

Colloque Mondes Électriques, Paris, December 2014

The Atom and the Environment Across Borders, Boundaries, and Disciplines

American Society for Environmental History, San Francisco, March 2014

Techno-fantasies and liberation

Mapping Science and Technology in Africa: Traveling technologies and global dis|orders, Johannesburg, South Africa, February 2014

Materiality

Society of the History of Technology, Portland, October 2013

SHOT in a Global Environment

Society of the History of Technology, Portland, October 2013

Author Meets Critics: *Consumer, Tinkerers, Rebels: The People Who Shaped Europe*, by Ruth Oldenziel and Mikael Hard

Democracy and Technology: Europe in Tension from the 19th to the 21st Century, Paris, France, September 2013

Le nucléaire après Fukushima

Nucléaire et sciences sociales après Fukushima, CNRS, Paris, December 2012

Infrastructure(s) and the Fukushima Earthquake: A Roundtable on Emergencies, Nuclear and Otherwise

Society for the History of Technology, the Society for the Social Studies of Science, and the History of Science Society, Cleveland, November 2011

Author Meets Critics: *The Nuclear Borderlands: The Manhattan Project in Post-Cold War New Mexico*, by Joseph Masco

Society for the Social Studies of Science and the European Association for the Study of Science and Technology, Rotterdam, the Netherlands, August 2008

History of Technology/History of Africa

Society of the History of Technology, Washington, DC, October 2007

Author Meets Critics: *Dominance by Design: Technological Imperatives and America's Civilizing Mission*, by Michael Adas

Society for the History of Technology, Las Vegas, October 2006

Teaching Gender in the History of Technology and in Science Studies: Notes from the Classroom

Society for the History of Technology and the Society for the Social Studies of Science, Charlottesville, October 1995

Discussant for panels: African Studies Association, American Anthropological Association, American Historical Association, Society for the History of Technology, Society for the Social Studies of Science, Tensions of Europe network, STS-Africa network, European Association for the Study of Science and Technology, etc.

CONFERENCE & WORKSHOP ORGANIZING

The World is Ending Again: African Humanities and Keywords for Survival

With colleagues at the Wits Institute for Social and Economic Research at the University of the Witwatersrand and the University of Michigan. Magaliesburg, South Africa, May 2021.

Bootcamp: How to do History in Occupational and Environmental Health

With Catherine Burns, Thembisa Waetjen, and Keith Breckenridge. International Commission on Occupational Health, Durban, South Africa, May 2020, postponed to 2022.

Feminists face the Anthropocene

With Paulla Ebron and Anna Tsing. Davenport, CA, February 2020.

Toxicity, Waste, Detritus

With Pamila Gupta. Durban, South Africa, July 2016.

Technology Studies in Africa

With Faeza Ballim, Keith Breckenridge, and Paul N. Edwards. Durban, South Africa, July 2016.

Techno-metabolism: a seminar for the Anthropocene Campus

With Paul N. Edwards and Jonas Loh. Berlin, Germany, April 2016.

Electric worlds: creations, circulations, tensions, and transitions, from the 19th to the 21st centuries
Program committee. Paris, France, December 2014.

The Global South as a Source of Theory

With colleagues at the Wits Institute for Social and Economic Research at the University of the Witwatersrand. Johannesburg, South Africa, May 2014

Technopolitics in Africa

With Keith Breckenridge (University of KwaZulu-Natal). Ithala, South Africa, July 2006.

Bodies, Networks, Geographies: Colonialism, Development, and Cold War Technopolitics

University of Michigan, USA, October 2005; Eindhoven Technical University, Netherlands, April 2007.

Postcolonial Technoscience

With Warwick Anderson. Berkeley, April 2001.

Materializing Cultures: Science, Technology, and Medicine in Global Contexts.

Stanford, University, Spring 1998.

Expanding the Audience for Science and Engineering

Organizing committee. Stanford University, June 1997.

TEACHING

UNDERGRADUATE COURSES

Nuclear Insecurity in the Bay Area and Beyond (research seminar)
International Security in a Changing World (lecture)
History, Science, and Politics in the Anthropocene (lecture)
Trashed! A Global History of Garbage (lecture)
Global Nuclear Proliferation (lecture & colloquium versions)
Technology and Power in Africa (colloquium)
Science, Technology, Medicine, and Society (lecture)
History of the Present (lecture)
Globalization in History: Making the Modern World (lecture)
Race, Gender, and Empire in the Nuclear Age (research seminar)
History Honors Colloquium
Technology, Politics, and Culture (colloquium)
Technology, Colonialism, and Development in Africa (colloquium)
The Nuclear Age (lecture & colloquium versions)
The Industrial Revolution (lecture)
Technology and Culture in the 20th Century (colloquium)
Technology, the State, and Social Order in Modern France (colloquium)

GRADUATE COURSES

Technopolitics: Materiality, Theory, Power
Infrastructure and Power in the Global South
Bodies, Technologies and Nature(s) in Africa
Knowledge/Power/Practice in Science, Technology, and Medicine
After Fukushima: climate change, nuclear power, and global warming
Technology in Colonialism, Development, and Globalization

*Technology as Power: Ideology, Infrastructure, Practice
Technology, Knowledge, and Culture
Technology, Work, and Culture in Comparative Perspective
Technology and Society: History and Historiography*

GRADUATE ADVISING

Dissertation supervision

Kristen Connor, *States of the Sky: Meteorology and Rainmaking in 20th century Uganda*. (Program in Anthropology and History, University of Michigan, completion expected 2022; co-chair Derek Peterson).

Daniel Williford, *Planned Precarity: Imperialism, Disaster, and Technoscience in Morocco, 1945-1970*. (Department of History, University of Michigan, 2020). **Assistant Professor, History, University of Wisconsin-Madison.**

Kevin Donovan, *Scaling Sovereignty: Frontiers and Futures in Postwar East Africa* (Program in Anthropology and History, University of Michigan, 2018; co-chair Jatin Dua). **Lecturer (tenure-track equivalent), African Studies and International Development, University of Edinburgh, Scotland.**

Emma Park, *Infrastructural Attachments: Technologies, Mobility, and the Tensions of “Home” in Colonial and Postcolonial Kenya* (Department of History, University of Michigan, 2017; co-chair Derek Peterson). **Assistant Professor, History, The New School.**

Tasha Rijke-Epstein, *Ecologies of Belonging: Techniques of Place-Making, Competing Moral Economies, and Urban Becoming in Mahajanga, Madagascar, 1890s to present* (Program in Anthropology and History, University of Michigan, 2017; co-chair Gillian Feeley-Harnik). **Assistant Professor, History, Vanderbilt University.**

Robyn d’Avignon, *Subterranean Histories: Making ‘Artisanal’ Miners on the West African Sahel*. (Program in Anthropology and History, University of Michigan, 2016). **Assistant Professor, History, New York University.**

Davide Orsini, *Life in the Nuclear Archipelago: Cold War Technopolitics and U.S. nuclear submarines in Italy* (Program in Anthropology and History, University of Michigan, 2015; co-chair Stuart Kirsch). **2016 ProQuest Distinguished Dissertation Award** (university-wide). **Assistant Professor, History, Mississippi State University.**

Kenneth Garner, *Seeing Is Knowing: ‘Objectivity’ and the Creation of Visual Culture in France, 1870-1930* (Department of History, University of Michigan, 2012; co-chair Joshua Cole).

Stephen Sparks, *Apartheid Modern: SASOL and the making of a South African company town, 1950-2009* (Program in Anthropology and History, University of Michigan, 2011). **Senior lecturer (equivalent to tenure), University of Johannesburg, South Africa.**

Pete Soppelsa, *The Fragility of Modernity: Infrastructure and Everyday Life in Paris, 1870-1914* (Department of History, University of Michigan, 2009; co-chair Joshua Cole). **Managing Editor, *Technology and Culture***, and **Assistant Professor, History, University of Oklahoma**.

Clapperton Chakanetsa Mavhunga, *The Mobile Workshop: Science, Technology, and Wildlife Use in the Trans-Limpopo Basin, Southern Africa, 1870-Present* (Department of History, University of Michigan, 2008). **Published as *Transient Workspaces: Technologies of Everyday Innovation in Zimbabwe* (MIT Press, 2014; honorable mention, 2015 Herskovits Award, African Studies Association)**. **Associate Professor, Science and Technology Studies, Massachusetts Institute of Technology**.

Toby Craig Jones, *The dogma of development: Technopolitics and the making of Saudi Arabia, 1950-1980* (Department of History, Stanford University, 2006; co-chair Joel Beinin). **Published as *Desert Kingdom: How Oil and Water Forged Modern Saudi Arabia* (Harvard University Press, 2011)**. **Associate Professor, History, Rutgers University**.

Sara B. Pritchard, *Recreating the Rhône: Nature and technology in France since World War II* (Department of History, Stanford University, 2001; co-chair Richard White). **Published as *Confluence: The Nature of Technology and the Remaking of the Rhône* (Harvard University Press, 2011)**. **Associate Professor, Science and Technology Studies, Cornell University**.

Dissertation committees and juries

Jasmine Reid, *Forced Removal and the Racial Afterlives of Apartheid* (Department of Anthropology, Stanford University, completion expected 2022).

Chun-Yu Wang, *Refining Politics: Oil Development, Environmental Activism, and Political Improvisation in Rural Malaysia* (Department of Anthropology, Stanford University, completion expected 2022).

Dean Chahim, *Draining the Infinite Metropolis: Engineering and the Mundanity of Disaster in Mexico City* (Department of Anthropology, Stanford University, completion expected 2021).

Rebecca Wall, *The Rebellious River: Transnational Senegal River Basin Management, 1919-2000* (Department of History, Stanford University, 2020). **Visiting Assistant Professor, Hamilton College**.

Nick Caverly, *Restructured City: Demolition and Racial Accumulations in Detroit* (Department of Anthropology, University of Michigan, 2020). **Assistant Professor, University of Massachusetts-Amherst**.

Rebecca Gruskin, *Phosphates: Local Dissidence, Global Agriculture, and Environment in Gafsa, Tunisia, 1890s-1960s* (Department of History, Stanford University, completion expected 2020).

Osei Boakye, *Beggar Nation: An Examination of Ghana's Political Economic History, 1946-1976* (Department of History, Stanford University, completion expected 2020).

David Benjamin Burns, *The Material-Media Histories of Maralinga* (Centre for Research Architecture, Goldsmiths-London, 2020).

- Rachael Hill, *Scientists, Healers, and Bioprospectors: The Epistemological Politics of Therapeutic Pluralism in Ethiopia, 1930-1998* (Department of History, Stanford University, 2019). **Assistant Professor, Cal Poly Pomona.**
- Stephanie Quinn, *Claiming a 'Land of Milk and Honey': Labor, Urbanization, and Political Imagination in Namibia, 1945-1994* (Department of History, Stanford University, 2019). **Postdoctoral fellow, University of the Free State, South Africa.**
- Marie Ghis Malfilatre, *Santé sous-traitée : Ethnographier les mobilisations contre les risques du travail dans l'industrie nucléaire en France, 1968-2018* (École doctorale, spécialité sociologie, École des Hautes Études en Sciences Sociales, 2018). **Postdoctoral fellow, Stanford University and INSERM (Paris).**
- Leny Patinaux, *Enfouir des déchets nucléaires dans un monde conflictuel. Une histoire de la démonstration de sûreté de projets de stockage géologique en France, 1982-2013.* (Sciences, savoirs, techniques : histoire et société, Centre Alexandre Koyré, École des Hautes Études en Sciences Sociales, 2017). [served as first *rapporteuse*]
- Aro Velvet, *Pasteur's Empire: French Expertise, Colonialism, and Transnational Science, 1890-1945* (Department of History, New York University, 2017, with distinction). **Assistant Professor, History, University of Southern California.**
- Dan Hirschman, *The Emergence of the Economy as an Object of Knowledge* (Department of Sociology, University of Michigan, 2016). **Assistant Professor, Sociology, Brown University.**
- Hilde Reinertsen, *Powering Global Development? The Evolution of Planning, Monitoring and Evaluation of Norway's Development Aid to the Energy Sector, 1980-2010* (Faculty of Social Sciences, University of Oslo, 2016; primary supervisor Kristin Asdal). **Postdoctoral researcher, Centre for Technology, Innovation and Culture, University of Oslo.**
- Basak Saraç Lesavre, *Formulating Nuclear Values: Communities, Equations, Budgets and Debates with Nuclear Waste* (Centre de Sociologie de l'Innovation, Mines ParisTech, 2015). [served as *rapporteuse*]
- Sarah Hamilton, *From Modernization to Europeanization: Environmental Policy and Philosophy in Spain, 1900-2000* (Department of History, University of Michigan, 2013). **Assistant Professor, Auburn University.**
- Joshua Grace, *Modernization Bubu: Cars, Roads, and the Politics of Development in Tanzania, 1870s to 1980s*, (Department of History, Michigan State University, 2013). **Associate Professor, University of South Carolina.**
- Douglas Andrew Kolozsvari, *Civil Society Organizations and the Protection of Sub-Saharan Africa's Colonial Railways* (Urban and Regional Planning Program, University of Michigan, 2013).
- Lydie Cabane, *Gouverner les catastrophes : politiques, savoirs et organisation de la gestion des (risques) de catastrophes en Afrique du Sud* (Sociologie de l'action, Sciences Po, 2012). **Position upon graduation: Postdoctoral Fellow, Sciences Po – Bordeaux, France.**
- Bridget Lauren Guarasci, *Reconstructing Life: Environment, Expertise, and Political Power in Iraq's Southern Marshes 2003-2007* (Department of Anthropology, University of Michigan, 2010). **Position upon graduation: Postdoctoral Fellow, American Center for Oriental Research, Jordan.**

Sezin Topçu, *L'agir contestataire à l'épreuve de l'atome. Critique et gouvernement de la critique dans l'histoire de l'énergie nucléaire en France, 1968-2008*. (Spécialité Histoire des sciences et des techniques, École des Hautes Études en Sciences Sociales, 2010). **Centre National de Recherche Scientifique, École des Hautes Études en Sciences Sociales, France.**

Samuel Temple, *Mountain, Moor and Marsh: The Politics of Environmental Transformation in Southern France, 1850-1950* (Department of History, University of Michigan, 2010). **Position upon graduation: Lecturer, University of Oklahoma.**

Chandra D. Bhimull, *Empire in the Air: Speed, Perception and Airline Travel in the Atlantic World* (Program in Anthropology and History, University of Michigan, 2007). **Associate Professor, Colby College.**

Marina Welker, *Global capitalism and the "caring corporation": Mining and the corporate social responsibility movement in Indonesia and Denver* (Program in Anthropology and History, University of Michigan, 2006). **Associate Professor, Cornell University.**

Katherine Jenny Worboys, *Lessons from a catastrophe: The emergence of new social and political actors in post-dictatorship Argentina, 1984-2004* (Program in Anthropology and History, University of Michigan, 2005). **Position upon graduation: public policy researcher.**

Andrew M. Goss, *The Floracrats: Civil science, bureaucracy, and institutional authority in the Netherlands East Indies and Indonesia, 1840-1970* (Department of History, University of Michigan, 2004). **Associate Professor, University of New Orleans.**

Carlos Martín, *Riveting: Steel technology, building codes, and the production of modern places* (Department of Civil Engineering, Stanford University, 1999). **Position upon graduation: public policy researcher.**

David Adam Kirsch, *The electric car and the burden of history: Studies in automotive systems rivalry in America, 1890-1996* (Department of History, Stanford University, 1997). **Associate Professor, University of Maryland.**

POST-DOCTORAL MENTORING

Marie Ghis Malfilatre (Sociology PhD, Ecole des Hautes Etudes en Sciences Sociales, 2018), Stanford-France Exchange Program, Stanford University, 2020.

Maxime Polleri (Anthropology PhD, York University, 2019), Macarthur Fellow, Center for International Security and Cooperation, Stanford University, 2018-20.

Sidra Hamidi (Political Science PhD, Northwestern University, 2018), Stanton Nuclear Security Fellow, Center for International Security and Cooperation, Stanford University, 2018-19.

Chantell Murphy (Nuclear Engineering PhD, University of New Mexico, 2018), Macarthur Fellow, Center for International Security and Cooperation, Stanford University, 2018-19. Co-mentor.

Anna Weichselbraun (Anthropology PhD, University of Chicago, 2016), Stanton Nuclear Security Fellow, Center for International Security and Cooperation, Stanford University, 2017-18. Co-mentor.

HABILITATION JURIES

Judith Rainhorn, *Un poison industriel : histoire sociale, économique et politique de la céruse (début XIXe-milieu du XXe siècle)*. Habilitation à Diriger les Recherches (HDR), Institut d'Études Politiques, Paris, 2015. **Professeure, Université de Paris I - Sorbonne.**

Yannick Barthe, *La victimisation: une approche sociologique. Le cas des vétérans des essais nucléaires français*. Habilitation à Diriger les Recherches (HDR), Institut d'Études Politiques, Paris, 2015. **Directeur de recherche CNRS, Institut Marcel Mauss, École des Hautes Études en Sciences Sociales, Paris.**

PROFESSIONAL ACTIVITIES

NATIONAL AND INTERNATIONAL

Advisory boards

- RADIANT: Radioactive Ruins: Security in the Age of the Anthropocene, Danish Institute for International Studies (DIIS), Denmark, 2018-
- Nuclear Consulting Group, United Kingdom, 2018-
- AnthroTOX Convergence Environment. University of Oslo, Norway. 2017-
- Chair of excellence in Security Studies. Sciences Po, Paris, 2017-
- Conseil Scientifique, ANDRA (Agence nationale pour la gestion des déchets radioactifs). France's national agency for the management of radioactive waste, 2015-
- Comité Scientifique, Projet AGORAS (Amélioration de la Gouvernance des Organisations et des Réseaux d'Acteurs pour la Sûreté Nucléaire). Collaborative project (university-industry-regulator) on nuclear safety governance, funded by France's Agence Nationale de Recherche, 2014-2019
- Scientific Advisory Board. Sciences Po, Paris, 2013-17

Referee. Journals: *Technology and Culture; Journal of African History; Social Studies of Science; Science, Technology, and Human Values; French Historical Studies; Comparative Studies in Society and History; Enterprise and Society; East Asian Science, Technology, and Society; Centaurus; Environmental Science and Pollution Research; African Affairs; History of the Present; African Security Review; The Anthropocene Review; Political Geography; Progress in Human Geography; Geopolitics; Cultural Anthropology; etc.* Presses: University of Chicago Press; Indiana University Press; MIT Press; Routledge; etc.

Reviewer: National Science Foundation (US); Social Science Research Council; National Endowment for the Humanities; Macarthur Foundation; Nederlandse Organisatie voor Wetenschappelijk Onderzoek (Netherlands); European Science Foundation; Social Sciences and Humanities Research Council (Canada); National Research Foundation (South Africa); Institut Francilien Recherche Innovation Société (France); Swiss National Science Foundation; etc.

Promotion & tenure review at universities in North America, Europe, Africa, and Australia (institutions & dates withheld to protect confidentiality).

Editorial Boards

- *Technology's Stories*, 2016-
- *Engaging Science, Technology, and Society (eSTS)*, 2015-
- *Feminist Technosciences* book series, University of Washington Press, 2014-
- *African Perspectives* book series, University of Michigan Press, 2014-
- *Global History and Culture: Medicine, Science and Technology* book series, Manchester University Press, 2013-
- *Hospodarske dejiny*, 2013-
- *History and Technology*, 2008-

Merton Prize Committee, Science, Knowledge and Technology section, American Sociological Association, 2014.

Executive Council (elected), Society for the Social Studies of Science, 2006-2009
Subcommittees: Travel Grant; Nominations; Future Meetings; Special Needs; Nicholas C. Mullins Essay Prize; Rachel Carson Book Prize; Ludwik Fleck Book Prize.

Comité d'histoire d'électricité, Fondation Electricité de France, 2001-2015

Executive Council (elected), Society for the History of Technology, 2000-2003

Transition and Coordinating Committees, *Tensions of Europe*, 1999-2007

Theme leader, "Colonialism, Decolonization, and Development," *Tensions of Europe*, 1999-2004

Editorial Committee, Society for the History of Technology, 1995-2000

Co-founder & convener, Bay Area Technology & Culture discussion group, 1993-1998

Levinson Prize Committee, Society for the History of Technology, 1993-1995

Speaker, Historical Speakers Bureau of the Center for the History of Electrical Engineering, Rutgers University, New Brunswick, NJ. 1993-1994

UNIVERSITY SERVICE (STANFORD)

Chair of the Policy Committee, History Department, 2019-

Chair of Graduate Admissions, History Department, 2019-

Fellowship Review Committee, Freeman Spogli Institute, 2018-

Nuclear Fellowship Review Committee, Center for International Security and Cooperation, 2017-

Executive Committee, Center for African Studies, 2017-

Graduate Admissions Committee, History Department, 2017-19

Fellowship review, Center for African Studies, 2017-18

African History Search Committee, History Department, 2017-18

Graduate Studies Committee, History Department, 2017-18

Promotion to Full Professor Committee, History Department, 2017-18



Co-coordinator, Empires and Cultures Research Workshop, 1997-98
Dean's Search Committee, Program in Science, Technology, and Society, 1996-98
Committee-in-Charge, Program in Modern Thought and Literature, 1995-98
Advisory Board, Program in Science, Technology, and Society, 1993-98
Colloquium Organizer, Program in the History and Philosophy of Science, 1994-95
Affirmative Action Committee, Department of History, 1993-95
Secretary, Department of History, 1993-94

UNIVERSITY SERVICE (MICHIGAN)

Director, Program in Science, Technology, & Society, 2013-15, 2016-17
Faculty Transition Team, School of Natural Resources and Environment, 2016
Junior Faculty Mentor, Ford School of Public Policy, 2016-17
Junior Faculty Mentor, History Dept., 2015-17
Promotion to Full Professor Committees, History Dept., 2014-15, 2016-17
African History caucus leader, History Dept., 2008-09, 2013-14, 2016-17
Mentor, University of Michigan African Presidential Scholars Program, 2014
Associate Director, African Studies Center, 2013-14
Chair, Tenure Committee, History Dept., 2013-14
Ad Hoc Committee on Climate and Diversity, History Dept., 2013-14
Faculty sponsor, African History & Anthropology Workshop (Rackham Interdisciplinary Workshop),
2008-09, 2013-14
Graham Sustainability Institute, Dow Sustainability Doctoral Fellowships evaluation, 2014
Steering Committee, Program in Science, Technology, & Society, 2001-06, 2008-2012, 2013-17
Placement/Job Skills officer, History Dept., 2004-06, 2011-12
Augmented Executive Committee, History Dept., 2011-12
Sexual Harassment officer, History Dept., 2011-12
Chair, Environmental History Search Committee, History Dept., 2010-11
Convener, Science, Technology, Medicine & Society colloquium series, 2010-11
Steering Committee, African Studies Center, 2008-11
Director of Graduate Studies, Program in Science, Technology, & Society, 2004-06, 2008-09, 2010-11
Chair, Presidential Interdisciplinary Junior Faculty Initiative Committee, History Dept., 2008-09
Executive Committee, History Dept., 1999-2000, 2001-02, 2007-08

African History Search Committee, History Dept., 2007-08
Mellon Postdoctoral Fellowship Selection Committee, Rackham School of Graduate Studies, 2005
Third Year Review Committee, Residential College, 2004-05
Faculty Review Committee, Residential College, 2003
Advisory Committee, European Union Center, 2001-03
Associate Chair, History Dept., 2001-02
Curriculum Committee, History Dept., 2001-02
Graduate Committee, History Dept., 2001-02
Planning Committee, Program in Science, Technology, and Society, University-wide and Residential College, 1999-2001
Committee to Re-evaluate Faculty Effort, Residential College, 1999-2000
Co-convener, Ford Seminar, International Institute, 1999-2000
Concentration Advisor, History Dept., 1999
Study Abroad Committee, Residential College, 1999

CURRENT AFFILIATIONS

African Studies Association
American Anthropological Association
American Geophysical Union
American Historical Association
American Society for Environmental History
Society for the History of Technology
Society for the Social Studies of Science

PAST OR INTERMITTENT AFFILIATIONS

American Association for the Advancement of Science
American Sociological Association
History of Science Society
International Studies Association
Society for French Historical Studies