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ACADEMIC APPOINTMENTS

Carnegie Mellon University, Department of History.
Assistant Professor, 2019–present.

Institute for Advanced Study, School of Historical Studies.
Member, 2021–2022.

Columbia University, Society of Fellows in the Humanities.
Fellow and Lecturer in History, 2016–2019.

EDUCATION

University of Pennsylvania, School of Arts and Sciences.
Ph.D., History and Sociology of Science, May 2016.

Dissertation: “The Choreography of Everyday Life: Rudolf Laban and the Making of Modern Movement.”

Committee: John Tresch (advisor), Susan Lindee, Beth Linker.

Duke University, Trinity College of Arts and Sciences.
B.A. in History, Minor in English, May 2007. *Magna Cum Laude*, Phi Beta Kappa.

Thesis (with high distinction): “Clothing the Naked Ape: The Birth, Death, and Artistic Afterlife of Biosocial Science.”

PUBLICATIONS

Book Manuscript

Measured Movements: Human Motion in the Twentieth Century. Under review, University of Chicago Press.

Peer-Reviewed Journal Articles

- 2022 “Pious Technologies and Secular Designs,” Editors’ Introduction to *Grey Room* 88 (2022): 6–13. With María González Pendás.
- 2022 “Taylorism Transfigured: Industrial Rhythm and the British Factory,” *Grey Room* 88 (2022): 102–126.
- 2022 “How to Capture Movement,” *Historical Studies in the Natural Sciences* 52, no. 1 (2022): 132–135.
- 2018 “The Living Record: Alan Lomax and the World Archive of Movement (1965–1985),” in *History of the Human Sciences* 31, no. 5 (December 2018): 23–51.
- 2017 “Paper Dancers: Art as Information in Twentieth Century America.” *Information and Culture* 52, no. 1 (January 2017): 1–30.
- 2015 “Half a Man: The Symbolism and Science of Paraplegic Impotence in World War II America.” *Osiris* 30, “Scientific Masculinities,” ed. Robert A. Nye and Erika Lorraine Milam (October 2015): 228–249. With Beth Linker.
- 2015 “A Case in Pointe: Romance and Regimentation at the New York City Ballet,” *Technology and Culture* 56, no. 1 (January 2015): 1–27.

Winner of the 2018 Abbot Payson Usher Prize from the Society for the History of Technology.

Peer-Reviewed Book Chapters

- 2023 “Technology and Sensibility.” In *The New Cambridge History of Technology, Volume 3*, edited by Dagmar Schäfer, Francesca Bray, and Tiago Saraiva. Cambridge University Press. In preparation.
- 2023 “New Sensations.” In *The Articulate Body: Dance and Science in the Long Nineteenth Century*, edited by Lynn Matluck Brooks, Sariel Golomb, and Garth Grimball. University Press of Florida. Forthcoming.
- 2022 “Making Movement Matter.” In *Invisible Labor in Modern Science*, edited by Jenny Bangham, Xan Chacko, and Judith Kaplan. London: Rowman & Littlefield International, 2022.
- 2017 “Half a Man: The Symbolism and Science of Paraplegic Impotence in World War II America.” In *Phallacies: Historical Intersections of Disability and Masculinity*, edited by Kathleen M. Brian and James W. Trent, 126–152. New York: Oxford University Press, 2017. With Beth Linker.

- 2016 “An Uneasy Archive: Choreometrics and the Disappearing Body.” In Preprint 484: “Invisibility and Labour in the Human Sciences,” edited by Jenny Bangham and Judith Kaplan, 99–106, Max Planck Institute for the History of Science, 2016.

Invited Essays

- 2016 “Kuklick on the Tarmac,” *History of Anthropology Review* 40 (2016): <https://histanthro.org/cliio/kuklick-on-the-tarmac/>
- 2016 “Alan Lomax and the Temple of Movement,” *Limn* 6: *The Total Archive* (March 2016): 59–63.

Book Reviews

- 2023 *Health and Efficiency: Fatigue, the Science of Work, and the Making of the Working-Class Body*, Steffan Blayney. *Bulletin of the History of Medicine*. Forthcoming.
- 2016 *Embodiment and Mechanisation: Reciprocal Understandings of Body and Machine from the Renaissance to the Present*, Daniel Black. *Technology and Culture* 57, no. 4: (October 2016): 1008–1010.
- 2014 *The Reason I Jump: The Inner Voice of a Thirteen-Year-Old Boy with Autism*, Naoki Higashida, Introduction and Translation by David Mitchell. *Somatosphere* (24 October 2014): <http://somatosphere.net/2014/10/the-reason-i-jump.html>

HONORS, AWARDS, AND FELLOWSHIPS

Prizes and Awards

- 2018 Abbot Payson Usher Prize, Society for the History of Technology. *Awarded for the best article published in Technology & Culture in the preceding three years.*
- 2016 Dissertation Prize, History of Science Society, Forum for the History of the Human Sciences.
- 2013 Dean’s Scholar Award, University of Pennsylvania.
- 2011 Joan Cahalin Robinson Prize, Society for the History of Technology. *Awarded for the best paper presented at the SHOT annual conference by a first-time presenter.*
- 2010 Pottruck Graduate Presidential Prize, University of Pennsylvania.

Fellowships and Grants

- 2022 Falk Research Grant, Carnegie Mellon University.

- 2021 Andrew W. Mellon Foundation Fellowship for Assistant Professors. Institute for Advanced Study, School of Historical Studies, 2021–2022.
- 2021 Resident Fellow, Center for Ballet and the Arts, New York University, 2021–2022.
- 2020 Center for the Arts in Society Project Grant, “Body Doubles,” Carnegie Mellon University, 2021–2024. With Annie Hui-Hsin Hsieh, Carnegie Mellon School of Music.
- 2019 Falk Research Grant, Carnegie Mellon University.
- 2015 Mellon/ACLS Dissertation Completion Fellowship.
- 2015 University of Pennsylvania Dissertation Completion Fellowship (declined).
- 2015 Visiting Predoctoral Fellow, Max Planck Institute for the History of Science, Department II.
- 2014 William Helfand/HSSC Fellow. University of Pennsylvania.
- 2014 Max Planck Institute for the History of Science, Dissertation Writing Fellowship.
- 2013 Dissertation Research Fellowship, University of Pennsylvania.
- 2013 NSF Travel Grant, Society for the History of Technology.
- 2011 Social Science Research Council Dissertation Proposal Development Fellowship.
- 2011 NSF Graduate Research Fellowship Program, Honorable Mention.
- 2009 Benjamin Franklin Fellowship, University of Pennsylvania.
- 2006 Anne Firor Scott Award, Duke University History Department.

INVITED LECTURES

- 2023 *Upcoming*. “Psychiatry, Medicine, and Movement in Mid-Century,” Richardson Seminar on the History of Psychiatry, DeWitt Wallace Institute of Psychiatry: History, Policy, and the Arts at Weill Cornell Medicine, December 2023.
- 2023 *Upcoming*. “Measured Movements,” University of Chicago, Committee on the Conceptual and Historical Studies of Science, October 2023.
- 2023 “Is My Robot Happy? A History of Movement and Emotion in People and Machines,” University of Toronto, BMO Lab for Creative Research in the Arts, Performance, Emerging Technologies and AI, February 2023.

- 2022 “‘The Lilt in Labour’: Labanotation and the British Industrial Imagination,” Keynote, *Culture visuelle du geste efficace et danses de société (1910–1940)*, National Institute for Art History, Paris, France, September 2022.
- 2022 “Science, Technology, and Dance in Weimar Germany,” New York University, Center for Ballet and the Arts, May 2022.
- 2021 “The Measured Gesture,” Institute for Advanced Study, School of Historical Studies Colloquium, December 2021.
- 2020 “Science, Movement, and National Socialism,” Harvard University, Program on Science, Technology, and Society, Kennedy School of Government, September 2020.
- 2019 “‘Alien Gesticulations’: Movement Science from Weimar Germany to Corporate America,” Johns Hopkins University, Colloquium in the History of Science, Medicine, and Technology,” November 2019.
- 2019 “From Purity to Profit: Movement Notation and the Science of the Self,” Princeton University, Colloquium in the History of Science, September 2019.
- 2019 “‘Alien Gesticulations’: Movement Science and the Nazi State,” New York Academy of Sciences, Lyceum Society, July 2019.
- 2018 “Noise in in the System: Recording Technologies in Twentieth-Century American Dance,” Columbia University, Heyman Center for the Humanities, November 2018.
- 2018 “Moving On: Movement Therapy for Twentieth-Century Trauma,” University Seminar in Dance Studies, Columbia University, February 2018.
- 2018 “Measured Movements: Weimar Germany, Labanotation, and the Choreography of Corporate Life,” New York History of Science Lecture Series, October 2017.
- 2017 “Kinaesthetic Communities: The Body, the Archive, and Multicultural America,” Lecture, Columbia University, Heyman Center for the Humanities, September 2017.
- 2016 “For Purity and Profit: Choreographing the Modern Self,” Columbia University, Lecture, Heyman Center for the Humanities, October 2016.
- 2014 “Impotency, Disability, and Masculinity in World War II America,” Bates Center for the History of Nursing, University of Pennsylvania, November 2014.
- 2014 “Dance as the Measure of Man: Alan Lomax, Choreometrics, and the World Geography of Movement,” Colloquium for the Research Group on Twentieth

Century Histories of Knowledge about Human Variation, Max Planck Institute for the History of Science, June 2014.

- 2014 “Bodies on Paper: The Dance Notation Bureau and the Politics of Archiving Human Movement (1940–1975),” Technische Universität Berlin, History of Science Group, May 2014.

CONFERENCE AND WORKSHOP PRESENTATIONS

- 2023 Commentator, “Unity and Interdisciplinarity in the Postwar Sciences,” History of Science Society, November 2023.
- 2023 “A Typewriter for Dance?” Popular Culture Association/American Culture Association, April 2023.
- 2023 “Sensibility Through Technology,” Invited Workshop Participant, *The Cambridge History of Technology*, Max Planck Institute for the History of Science, Department III, Berlin, Germany, January 2023.
- 2022 Roundtable participant, “History of Technology: State of the Field,” Celebrating 50 Years of Scholarship, Department of the History and Sociology of Science, University of Pennsylvania, October 2022.
- 2021 Roundtable participant, “The Digital and the Encyclopedic: New Tools for Open-Access History of Science,” History of Science Society, November 2021.
- 2021 Chair, “Artifices in human form: bodies as technology and technologies of the body in early modern and modern China,” International Committee for the History of Technology, July 2021.
- 2021 “When Words Fail: Movement Notation and Therapeutic Practice in the Post-WWII United States,” Invited Conference Speaker, *The Movement Movement: Histories of Microanalysis at the Intersection of Film, Science and Art*, Philipps-Universität Marburg, June 2021.
- 2020 Discussant, Book Symposium for *Martha Graham’s Cold War: The Dance of American Diplomacy*, The European Institute, Columbia University, February 2020.
- 2019 “Bodily Traces,” Invited Conference Speaker, *Science and Technology in the Long Twentieth Century*, Department of History, Purdue University, November 2019.
- 2019 “Productive Pedagogies: Modern Dance, Physiology, and Industrial Education in Postwar Britain,” Society for the History of Technology, October 2019.

- 2019 Moderator, "Telling Stories in the History of Science," Workshop on Collaborative Pedagogies in the Global History of Science, University of Pennsylvania, October 2019.
- 2019 Moderator, "The Digital Future of the History of Science," Columbia University, April 2019.
- 2018 "Noise in the System: Recording and Erasure in Mid-Century American Dance," History of Science Society, November 2018.
- 2018 "Taylorism Transfigured: Movement, Spirit, and Technology in the WWII British Factory," Society for the History of Technology, October 2018. *Panel Organizer: "Technological Rituals."*
- 2018 Chair and Comment, "Cyborg Politics in the Cold War," Society for the History of Technology, October 2018.
- 2017 "Personnel Business: Science, Self, and Secrets in the Mid-Century Corporation," History of Science Society, November 2017.
- 2017 Comment, "Dance and Operational Bodily Encounters in Twentieth-Century Australia," CHSTM History of Medicine Working Group, September 2017.
- 2017 Chair and Comment, "Sociologies of Science and Modernity," *The Engine of Modernity* Conference, Columbia University, May 2017.
- 2016 "When Words Fail: A Universal Language of the Body in a World at War," History of Science Society, November 2016. *Panel Organizer: "The Quest for Universal Language."*
- 2016 "A Body in Motion: Dance, Physiology, and the Self in Weimar Germany," Society for Literature, Science, and the Arts, November 2016.
- 2016 "An Objective Record? The Dance Notation Bureau, Gendered Bodies, and Authorship in Question," American Comparative Literature Association, March 2016.
- 2016 "Toward a History of Habitus: Paper and the Inscription of Bodily Techniques," *Working with Paper: Gendered Practices in the History of Knowledge*, Max Planck Institute for the History of Science, January 2016.
- 2015 "An Uneasy Archive: Alan Lomax, Labanotation, and the Disappearing Body," Invited Workshop Participant, *(In)visible Labor: Knowledge Production in the Human Sciences*, Max Planck Institute for the History of Science, June 2015.

- 2015 “Corporate Bodies: White Collar Labor, Gender, and Movement Pattern Analysis,” Invited Workshop Participant, *Learning How: Training Bodies, Producing Knowledge*, Max Planck Institute for the History of Science, Department III, February 2015 and June 2015.
- 2015 “Paper Dances: Captured Movement, Frozen Time, and the Science of Art in 20th Century America,” Workshop, New York City History of Science Working Group, March 2015.
- 2015 “‘To Bring that Swing and Lilt in Labor’: Visualizing Affect in the Mid–Century Corporation, 1940–1970,” Society for the History of Technology, October 2015.
- 2014 “Freezing Form: The Dance Notation Bureau and the Definitions of Authorship (1940–1975),” Predoctoral Colloquium, Max Planck Institute for the History of Science, May 2014.
- 2014 “Semaphores, Signals, and the History of Humankind: Alan Lomax’s Choreometrics Project (1965–1985),” History of Science Society, November 2014.
- 2013 “Paper Bodies: Labanotation and the Writing of German Nationalism, 1910–1935,” History of Science Society, November 2013.
- 2013 “Freezing Form: Human Movement Notation, Ownership, and the Definitions of Creativity in 1940s America,” Society for the History of Technology, October 2013. *Panel Organizer*, “*Bodies in Motion: Designing Movement in an Age of High Technology*.”
- 2011 “A Case in Pointe: Making Streamlined Bodies and Interchangeable Ballerinas at the New York City Ballet,” Society for the History of Technology, November 2011. *Winner of the Joan Cabalin Robinson Prize*.
- 2011 Roundtable Participant, “Talking About the Simian Tongue,” International Society for the History, Philosophy, and Social Studies of Biology, July 2011.

CONFERENCES AND SERIES ORGANIZED

- 2021 “Body Doubles,” Center for the Arts in Society, Carnegie Mellon University. With Annie Hui-Hsin Hsieh, 2021–2024.
- 2019 “Crises of Democracy,” Institute for Ideas & Imagination, Columbia University Global Centers | Paris, May 16–18, 2019.
- 2019 Editorial Workshop, *Encyclopedia of the History of Science*, Columbia University, April 25–56, 2019. With Christopher Phillips.

- 2017 “Pious Technologies and Secular Designs,” Columbia University, October 13–14, 2017. With María González Pendás.
- 2016 Heyman Center for the Humanities, Thursday Lecture Series, 2016–2019.
- “Shocks and Reverberations,” 2016–2017.
- “Supernatural,” 2017–2018.
- “Observation and Obfuscation,” 2018–2019.

GUEST LECTURES

- 2020 “‘Surviving’ Polio: Inequality, Disability, and the Ends of an Epidemic,” *COVID-19: What History Can Teach Us*, Micro-Course, Carnegie Mellon History Department, November 2020.
- 2020 “Revolutions, Realities, and the Politics of Technology,” Keynote Lecture, *Transforming Cities* Micro-Course, Carnegie Mellon University-University of Pittsburgh, March 2020.
- 2019 “The Pointe Shoe: A History,” Guest Lecture in “Costume Design: Dance Techniques,” Carnegie Mellon University School of Drama, August 2019.

TEACHING EXPERIENCE

Carnegie Mellon University, Dietrich College of Humanities and Social Sciences.

Science and the Human Body. HIST 79-357. Spring 2020, Spring 2021, Spring 2023.

Technology and Work. HIST 79-297. Spring 2020, Spring 2021, Fall 2023.

Technology and Society. HIST 79-234. Fall 2019, Fall 2020, Fall 2023.

Shall We Dance? Culture, Politics, and Movement in the 20th Century. HIST 79-326. Fall 2020, Spring 2023.

Science, Technology, Medicine and Labor. Graduate level, Spring 2024.

Columbia University, Columbia College.

Technology, Work, and Capitalism: A History. HIST 3962. Spring 2017, Spring 2019.

Contemporary Civilization. COCI 1101. Fall 2016, Fall 2017.

University of Pennsylvania, College of Liberal and Professional Studies.

The Emergence of Modern Science. STSC 001. Summer 2013.

The Information Age. STSC 160. Summer 2014.

University of Pennsylvania, School of Engineering and Applied Science.

Teaching Assistant.

Engineering Ethics. EAS 203. Fall 2012 and Spring 2013.

University of Pennsylvania, College of Arts and Sciences.
Teaching Assistant.

The Information Age. STSC 160. Fall 2013 and Fall 2014 (Grader).
Health and Societies: Global Perspectives. HSOC 0010. Spring 2012.
American Health Policy. HSOC 150. Spring 2011 and Fall 2011.
Medicine in History. HSOC 002. Fall 2010.

Duke University, Trinity College of Arts and Sciences.
Teaching Assistant.

Social and Political History of Genomics. HIST105S. Fall 2006.
Health, Science, and Human Rights. PPS195S. Spring 2006.

PROFESSIONAL AND UNIVERSITY SERVICE

Graduate Studies Committee, Carnegie Mellon University, Department of History, 2023.

Graduate Curriculum Reform Committee, Carnegie Mellon University, Department of History, 2023.

Selection Committee, Abbot Payson Usher Prize, Society for the History of Technology, 2021–2024.
Committee Chair, 2022–2023.

External Reviewer, Memberships, Institute for Advanced Study, School of Historical Studies, 2022–2023.

Grants Committee, Women in Technological History, Society for the History of Technology, 2018–present.
Committee Chair, 2022–present.

Editorial Collective, *Encyclopedia of the History of Science*, 2018–.

Selection Committee, Leonardo da Vinci Medal, Society for the History of Technology, 2022.

External Reviewer, Fellowships, Consortium for History of Science, Technology, and Medicine, 2022.

Campus Committee, U.S. Fulbright Student grants, Carnegie Mellon University, 2021.

Review Panel, “US History and Culture,” National Endowment for the Humanities, March 2020.

Selection Committee, History of Science Society, History of the Human Sciences Dissertation Prize, 2018.

Selection Committee, Society of Fellows in the Humanities, Columbia University, 2018.

Reviewer for MIT Press, *British Journal for the History of Science, Technology & Culture*, *Journal for the History of the Behavioral Sciences*, Presidential Scholars in Society and Neuroscience Postdoctoral Fellowship.

Memberships: History of Science Society; Society for the History of Technology; Consortium for the History of Science, Technology, and Medicine.

SELECTED MEDIA

Suzanne Fischer, “Ballet Shoes and Ballerinas as Technology: A History En Pointe, *The Atlantic* November 7, 2011:

<http://www.theatlantic.com/technology/archive/2011/11/ballet-shoes-and-ballerinas-as-technology-a-history-en-pointe/248009/>

Greg Johnson, “A Pointe in Time,” *SAS Frontiers*, March 2012:

<http://www.sas.upenn.edu/home/SASFrontiers/a-pointe-in-time.html>

“Get to the Pointe!” 60–Second Lecture Series, University of Pennsylvania, School of Arts and Sciences, May 11, 2013:

<https://www.sas.upenn.edu/events/2013/alumni-weekend-2013>

ADDITIONAL PROFESSIONAL EXPERIENCE

Assistant Editor, Gender Studies, Sociology and Criminology, Oxford University Press, Higher Education Division. January 2008–August 2009.

LANGUAGE PROFICIENCY

English (Native speaker); Spanish (Advanced); German (Reading).