

CURRICULUM VITAE

HANNA ROSE SHELL

DEPARTMENT: STS

DATE: June 2016

DATE OF BIRTH: January 20, 1978

CITIZENSHIP: United States, Canada

EDUCATION

DATE	DEGREE	INSTITUTION
2007	PhD, History of Science	Harvard University
2002	M.A., American Studies	Yale University
1999	A. B., History and Science <i>summa cum laude</i>	Harvard College

TITLE OF DOCTORAL THESIS: Hide and Seek: Camouflage, Animal Skin, and the Media of Reconnaissance, 1859-1945

FELLOWSHIPS AND HONORS

Fellowships

2007-2011	Junior Fellowship, Harvard Society of Fellows
2007	Predoctoral Fellow, Max Planck Institute for the History of Science (Berlin)
2006	Mellon Institute for Historical Research Dissertation Fellowship
2006	U.S. Army Dissertation Fellowship in Military History and Material Culture
2005	Massachusetts Foundation for the Humanities Media Production Award
2004-2006	Fellow in Filmmaking, The Film Study Center at Harvard
2004	Charles Warren Center for Studies in American History Fellowship
2004	Jewish Studies Center at Harvard Research Fellowship
2002-2006	Jacob K. Javits Fellowship from the U.S. Department of Education
2001-2002	Andrew W. Mellon Foundation Fellow in Humanistic Studies

Honors and Awards

2011	Millard Meiss Publication Award
2009	MIT Teaching & Learning Award for “Science on Screen” and “Experiments on Film”
2008-2010	William F. Milton Fund Award
2008	Best Filmmaker Award, Scinema International Festival of Science Filmmaking (Milan)

2008	Outstanding Short Film Award, Museum of Modern Art (New York, NY)
2007	Best Documentary Award, Brooklyn Council International Film Festival
2007	Best Musical Score Award, Rhode Island International Festival
2005	Massachusetts Foundation for the Humanities Media Award
2005	Minda de Gunzberg Center for European Studies Summer Research Award
2005	Best of Festival Award, Lago International Film Festival
2003	Harvard Graduate Society Award for Study and Travel
2003	Best graduate student paper award, American Academy of the Sciences Pacific Division
1999	Thomas Temple Hoopes Prize and highest marks (<i>summa cum laude</i>) on senior thesis
1998	Elected to Phi Beta Kappa in the junior year

PROFESSIONAL EXPERIENCE

ACADEMIC POSITIONS

2014–present	Associate Professor (w/o tenure) in Science, Technology, and Society, MIT Affiliated Faculty, Comparative Media Studies Faculty Fellow, MIT Open Documentary Lab
2012–2014	Leo Marx Career Development Associate Professor in STS, MIT
2011–2012	Leo Marx Career Development Assistant Professor in STS, MIT
2008–2011	Assistant Professor in STS, MIT
2007–2011	Junior Fellow, The Harvard Society of Fellows
2005–2006	Visiting Professor, Liberal Arts Department, Rhode Island School of Design (RISD)

NON-ACADEMIC POSITIONS

2005–present	Director and producer, Fabrik Films (Cambridge, MA)
2008–present	Independent curator

SEMINARS, COLLOQUIA, ETC.

Selected Invited Presentations

June 2015	Invited Speaker and panel organizer, "No End of Wonders: A Celebration of the work of Professor of Katharine Park," Cambridge, MA. Co-organized panel, titled "A Cabinet of Wonders," with Professor Daniel Margoscy (Hunter College).
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January 2015	Invited Speaker, "Media Fabric," University of California-Santa Cruz Film and Media Studies Program and History of Art and Visual Culture Departments, Santa Cruz, CA.
May 2014	Campus-wide lecture on topic of "Sustainability," titled "Shoddy Heap and Recycled Media," Pratt Institute, Brooklyn NY.
March 2014	Colloquium presentation on "Shoddy" at the Lit-Tech Colloquium Series, Literature Department at MIT, Cambridge MA.
March 2014	Faculty Fellow presentation, "Book- Film-Fabric," at the Open Documentary Lab at MIT, Cambridge MA.
May 2013	Invited Speaker, "Camouflage Media," at symposium "Materiality: Objects and Idioms in Historical Studies of Science and Technology," York University, Toronto Canada.
March 2013	Special Lecturer, School of Art and Design History and Theory," Fashion Cultures Symposium, Parsons The New School of Design. Presentation title "Media Fabric: Shoddy and Beyond."
November 2012	Co-organizer and commentator, "Digital Media in Science and Technology Studies" at the History of Science Society Annual Meeting.
September 2012	Invited Speaker and participant in conference "Animation Across the Disciplines," University of Pennsylvania. Title: "Len Lye and Direct Animation and Camouflage in Film."
September 2012	Invited Speaker, "Hide and Seek," Center for New Media and STS Program at the University of California at Berkeley, Berkeley, CA.
June 2012	Workshop "Aqua Kinema," lecture "Hide and Seek," and screening "Secondhand (Pepe)," at HUMLab, Umeå University, Sweden.
May 2012	Special Lecture, "Hide and Seek: Camouflage, Photography, and the Media of Reconnaissance," Stanford University, Palo Alto, CA.
May 2012	Invited Speaker, "Camouflage Media and Skins of Nature," at University of California at Davis, Davis, CA.
May 2011	Invited Speaker, "Skins of Nature and Emulsion." Part of event "Taxidermy and Colonial Skin," Natural History Museum, London, UK.
May 2011	"Mediating War and Technology" International Communication Association.
April 2011	Invited participant in session "The Obscure: Photographing," as part of the Sawyer Seminar Series, MIT, Cambridge MA.

April 2011	Keynote Address, "Refashioning Identity: Secondhand Clothing in Haiti," Mid-America American Studies Association Annual Conference, "The Life of the Object," University of Wisconsin at Madison, Madison, WI.
January 2011	Festival Curator and Featured Lecturer, "(In)Visible: Spaces, Bodies Worlds," Science Film Festival, Ritsumeikan University, Kyoto, Japan.
April 2010	Keynote Presentation, "Lives and Afterlives of the Social Fabric," for the symposium "Secondhand Culture" Bard Graduate Center, New York, NY.
December 2009	"Art and Science: Platform 1: Tempest Prognosticator," DeCordova Museum and Sculpture Park, Lincoln MA.
September 2009	"How Not to be Seen on Film," Comparative Media Studies Program Colloquium Series, MIT, Cambridge, Massachusetts.
August 2009	"Creeping into the Frame of Scientific Cinematography" at the conference "Visible Evidence XVI," University of Southern California School of Cinematic Arts, Los Angeles, California.
July 2009	"Productive Mimesis and the Art of Disappearance," delivered at the conference "Performing Science," University of Pennsylvania, Philadelphia PA.
June 2009	"Pepe," Museum of Modern Art, New York, NY.
June 2009	Invited lecture and screening, "Secondhand (Pepe)," Ciné Institute, Jacmel, Haiti.
May 2009	Invited lecture and screening, "Secondhand (Pepe)," Fondation Connaissance et Liberté, Open Society Institute Haiti, Port-au-Prince, Haiti.
May 2009	"Secondhand (Pepe)," Bibliothèque du Soleil, Carrefour Feuilles, Haiti.
April 2009	Keynote Address, "Hide," for conference in the Department of Cinema and Media Studies, "Cinema, Nature, Ecology," University of Chicago, Chicago IL.
April 2009	Invited Speaker, "Environmental Camouflage and the Media of Reconnaissance," Environmental Sciences and S.T.S. Colloquium Series, Sarah Lawrence College, Bronxville NY.
March 2009	Invited Lecture, "Lives and Afterlives of the Social Fabric," Caribbean Studies Forum, Smith College, Northampton MA.
March 2009	"Camouflage Media," Department of Art and the History of Art, Amherst College, Amherst, MA.
January 2009	"Coffeecake with a Camoufleur," Machine Project, Los Angeles, CA.
July 2008	Invited Lecturer and workshop organizer, "Industrial Melanism," Machine Project, Los Angeles, CA.

February 2008	“Experiments in Mimicry: Chameleonic Camouflage and the Direct Animations of Len Lye” Society for Cinema and Media Studies (SCMS) Annual Conference, Philadelphia PA.
May 2007	“Hide and Seek: Camouflage and Modern War,” Department of War Studies at Kings College, London, United Kingdom.
March 2007	“Productive Mimesis and the Media of Disappearance: Abbott Thayer's Modeling of Invisibility in Nature, 1890-1918.” Interactive Media Lecture Series at the Center for New Media, University of California at Berkeley, Berkeley, California
March 2007	“Len Lye, Experimental Film and the Inculcation of the Documentary Subject,” Society for Cinema and Media Studies (SCMS) Annual Meeting, Chicago, Illinois
November 2006	“Productive Mimesis and the Art of Disappearance: Abbott H. Thayer, Protective Coloration in Nature, and the Modeling of Strategic Invisibility (1890-1920),” History of Science Society (HSS) Annual Meeting, Vancouver, Canada
August 2006	“Camouflage and the American Military,” United States Army Center for Military History Lecture Series, Washington D.C.
July 2006	Discussant at international workshop “The Making of Materials: Science and Technology in the Seventeenth and Eighteenth Centuries,” Max Planck Institute for the History of Science,” Berlin, Germany
February 2006	“Locomotion in Art and Water,” Boston University School of Visual Arts, Boston, Massachusetts
February 2006	“Art/Science Collision: Taxidermy,” symposium with co-presenters Hiroshi Sugimoto and Steve Quinn, American Museum of Natural History, New York, New York
November 2005	“Old Clothing as Wearable Technology,” MIT Media Lab, Cambridge, Massachusetts
November 2005	“Deleuze under Water: On Cinema’s Post-Modern Assembly,” State University of New York at Buffalo, Buffalo, New York
November 2004	“Hide: Reframing Wartime Natural History and the AMNH Alaska Brown Bear Group,” History of Science Society (HSS) Annual Meeting, Austin, Texas
October 2004	“Cultivating Pond life and Decoding Fossils: The Emergence of Environmental History,” Program in Science, Technology and Society at MIT, Cambridge, Massachusetts
October 2004	“‘Bernard Palissy Casts Life’ in ‘Art and Nature in Early Modern Science,’” Department of the History of Science at Harvard, Cambridge, Massachusetts

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| August 2004 | “Locomotion in Water” and “On the Panorama,” Max Planck Institute for the History of Science, Berlin, Germany |
| November 2003 | “Casting Life: Bernard Palissy’s Occupation between Maker and Nature,” History of Science Society (HSS) Annual Meeting, Cambridge, Massachusetts |
| June 2003 | “Embodying Extinction,” American Association for the Advancement of Science Pacific Division Annual Meeting, San Francisco, California, Awarded Graduate Student Prize |
| November 2002 | “The Soul in the Skin: William Temple Hornaday and the Buffalo Group,” History of Science Society (HSS) Annual Meeting, Milwaukee, Wisconsin |

Conference Presentations

Society for the History of Technology (October)

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| 2015 | “A History of Technology Beyond Words,” part of panel “Digital Histories of Technology” at the Annual Meeting, Albuquerque. |
| 2013 | “Shoddy Technology,” part of panel “Salvage: Reuse and Repurposing in the History of Technology,” at the Annual Meeting of SHOT in Portland, ME. |
| 2009 | “Old Clothing as Portable Technology: Lives and Afterlives of the Social Fabric,” part of panel on “Mobilities” at the Annual Meeting of SHOT in Pittsburgh. |

Session organizer: Society for the History of Technology annual meetings

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| 2013 | “Salvage Technology,” Society for the History of Technology Annual Meeting, Portland. |
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History of Science Society (November)

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| 2016 | Skin as Screen: Real-Time Color Change and Cinematic Apparatus in Neurophysiology (1900-1950) |
| 2012 | “Thinking with Audio-visual Media in the History of Science,” History of Science Society (HSS) Annual Meeting 2012, San Diego. |
| 2007 | “Chameleonic Cinema: Filming the Science of Strategic Concealment,” History of Science Society (HSS) Annual Meeting 2007, Washington DC |
| 2006 | “Productive Mimesis and the Art of Disappearance: Abbott H. Thayer, Protective Coloration in Nature, and the Modeling of Strategic Invisibility (1890-1920),” History of Science Society (HSS) Annual Meeting, Vancouver, Canada |

- 2004 “Hide: Reframing Wartime Natural History and the AMNH Alaska Brown Bear Group,” History of Science Society (HSS) Annual Meeting, Austin, Texas
- 2002 “The Soul in the Skin: William Temple Hornaday and the Buffalo Group,” History of Science Society (HSS) Annual Meeting, Milwaukee, Wisconsin

Session organizer: History of Science Society annual meetings

- 2012 Chair and organizer (with W. Rankin and A. Wellerstein) “Writing the History of Science through Maps, Films, and other Visual Media” History of Science (HSS) Annual Meeting, San Diego.

Plenary Session organizer: History of Science Society annual meetings

- 2007 Plenary Session Organizer and Chair, “Science & Cinema: Audio-Visual Science Pedagogy,” History of Science Society (HSS) Annual Meeting, Washington DC

International Communication Association (May)

- 2011 “Mediating War and Technology.”

Society for Cinema and Media Studies (March)

- 2008 Presentation: “Experiments in Mimicry: Animal Camouflage, Chameleonic Film, and the Direct Animations of Len Lye and Stan Brackage (for panel “Biologies of the Avant-Garde” organizer Jennifer Fay).
- Screenings: *Locomotion in Water* and *Secondhand (Pepe)*.
- 2007 “How Not to Be Seen: The Art of Camouflage and the Disappearance of the Subject in the Scientific Military Training Films of Len Lye” (for panel “The Cinema as Educator,” organizer Oliver Gaycken).

FIELDS OF INTEREST AND RESEARCH

History of the environmental sciences; History of Technology; Waste Studies

Media and visual culture studies; History of film and photography; Military and material culture studies, Critical media practice; interactive and documentary film.

Wearable technology.

PROFESSIONAL ORGANIZATIONS AND SERVICE

Society for the History of Technology (SHOT)

Ferguson Book Prize Committee: Society for the History of Technology, 2013-2016

Ferguson Chair, 2015-2016

Da Vinci Prize Committee: Society for the History of Technology, 2015

Film and Media Editor at *Technology and Culture*

Society for the Social Study of Science (4S)

History of Science Society (HSS)

Society for Cinema and Media Studies (SCMS)

International Communication Association (ICA)

Editorial Advisory Board: Catalyst: Feminism, Theory, and Technoscience

Editorial Board: Technology and Culture, , DigitalSTS

Peer Reviewer: Isis, Environmental History, History and Technology, Technology and Culture

Manuscript Reviewer: MIT Press, University of Chicago Press

MIT ACTIVITIES AND COMMITTEES

Departmental (STS) and School Activities and Committees

2016-2017	STS Committee on Honors and Prizes
2016-present	STS Undergraduate Officer
2015-present	SHASS de Florez Fund Committee
2015-2016	Organizer and host for STS Seminar colloquium series (with M. R. Smith)
2013-2014	Committee on Website Redesign
2012-2013	Committee on Faculty Affiliates
2011-2013	Siegel Teaching Prize Committee
2011-2012	STS Undergraduate Officer
2011-2012	SHASS Education Advisory Committee (SHEAC)
2009-2010	Undergraduate Curricular Reform Committee, STS Program
2009-2010	Benjamin Siegel Writing Prize Committee
2009-2010	Co-organizer of joint MIT STS /Harvard History of Science Department colloquium
2011-2012	STS Undergraduate Officer
2010	Fundraising for MIT Institute for the Automobile and Society
2010	Siegel Prize Committee, HASTS Doctoral Program
2009 -	Graduate Admissions, HASTS Doctoral Program

Institute Activities and Committees

- 2012-2014 Task Force on the Future of MIT Education as part of the working group “Future Global Implications of edX”
2010 Automobile Initiative/Revs Institute Outreach Committee
2009-2011 Faculty Advisor Institute Council for the Arts

PUBLISHED MATERIALS

Books

- 2014 Ni Vu Ni Connu (French Translation of Hide and Seek): Brussels: Zones Sensibles.
2012 Hide and Seek: Camouflage, Photography and the Media of Reconnaissance. New York: Zone Books (distributed by MIT Press).

Articles in Refereed Journals

- 2016 “Digital Histories of Disaster” (co-authored with Lisa Onaga) *Technology and Culture* 56 (January 2016), c. 4000 words.
2015 “Shoddy Heap: A Material History Between Waste and Manufacture” in *History and Technology* 30:4 (Spring): 374-394.
2015 “Technologist-Historian: Data Visualization Meets the Archive” in *Technology and Culture* 55 (January 2015): 204-208. Co-authored with Alex Wellerstein.
2014 “Films in the Archive: The Prelinger Collection and Hollywood in Detroit” in *Technology and Culture* 55 (July): 711-715.
2014 “Beyond Words: Audio-Visual Media in the History of Technology” in *Technology and Culture* 55 (April): 477-478.
2013 “Ciné-History and Experiments on Film” in *Journal of Visual Culture* 11 (Winter): 288-306.
2012 “Blind: The Phenomenology of Camouflage” in *Sensate: A Journal for Experiments in Critical Media Practice* (December): peer-reviewed online publication.
2012 “Locomotion in Water” *Journal of Short Film* (Spring): peer-reviewed DVD publication.
2006 “Textile Skin: Lives and Afterlives of the Social Fabric,” *Transition* 96 (Fall): 151-163. (Featured in Wilson Quarterly and Chronicle of Higher Education.)
2005 “Casting Life, Recasting Experience: Bernard Palissy’s Occupation between Maker and Nature.” *Configurations* 12 (Winter): 1-40.

Chapters in Books

- 2013 “A Global History of Secondhand Clothing” in *Spreadable Media: Creating Value and Meaning in a Networked Culture*, Henry Jenkins, Sam Ford, and Joshua Green, ed. (New York: NYU Press, 2013), peer-reviewed online publication.
- 2010 “Earthworks: The Ceramic Display of Natural Knowledge in Clay,” in *Materials and Expertise in Early Modern Europe*, Ursula Klein and Emma Spary, ed. (Chicago: University of Chicago Press), pp. 50-70.
- 2005 “Things Under Water: Etienne-Jules Marey’s Aquarium Laboratory and Cinema’s Assembly,” in *Dingpolitik: Atmospheres of Democracy*, Bruno Latour and Peter Weibel, ed. (Cambridge: MIT Press), pp. 326-332.
- 2004 “Skin Deep: Taxidermy, Embodiment and Extinction” in *The Past, Present and Future of Natural History*, A. Leviton, ed. (San Francisco: California Academy of Sciences), pp. 88-112.
- 2002 Editor, with a new introduction, William Temple Hornaday’s *The Extermination of the American Bison* (Washington D.C.: Smithsonian Institution Press, [1889]).

Selected Book Reviews

- 2011 “A Séance for Science,” a review of Radioactive: A Tale of Love and Fallout (New York, Harper Collins, 2010) in Science 332: 176-177
- 2008 Review of Films of Fact: A History of Science in Documentary Films and Television (London: Wallflower Press, 2008) in *Isis* 99 :4 (December 2008): 865-866
- 2002 Review of Science is Fiction: The Films of Jean Painlevé (Cambridge: MIT Press, 2000) in Documentary Box 18: 30-31.

Selected Digital and general audience publications

- 2011 Locomotion in Water. (Fabrik Films). Produced 2005, DVD release 2011.
Writer, Director and Editor. Produced in association with Zentrum für Kunst und Medientechnologie Karlsruhe (ZKM). Selected screening and awards: Anthology Film Archives; Black Maria Film Festival; Naples International Film Festival; Jane Voorhees Zimmerli Art Museum; Institut de Cinématographie Scientifique; Visible Evidence XVI; Scinema Festival of Science Film (toured New Zealand and Australia); School of Image Arts, Ritsumeikan University, Kyoto; best film at Videre la Scienza Milan; Society for Cinema and Media Studies. Awarded best documentary at the International Science Film Festival Milan, and the Lago Festival best of festival.
- 2009 “The Crucial Moment of Photographic Deception: Abbott Handerson Thayer’s Law of Protective Coloration,” *Cabinet* 33 (Spring): 17-30.

2007 Secondhand Pepe (Fabrik Films, distributed and released by Third World Newsreel). Writer, Producer and co-directed with V. Bertozzi.
Selected screenings and awards: Museum of Modern Art, Outstanding Shorts Program; Documentary Fortnight; Slamdance Film Festival; Black Maria Film and Video Festival; Harvard Film Archive; Film Festival Jakmel; Orphans Documentary Film Symposium; Society for Cinema and Media Studies.

Works in Progress

Book:

Shoddy: Technology, Waste, and Identity in Rags

(Under contract with University of Chicago Press; manuscript due September 2016)

Edited volume:

DigitalSTS: A Handbook and Fieldguide, expected publication Spring 2017

with J. Vertesi, D. Ribes, Y. Loukissas, L. Forlano, C. DiSalvo, D. Rosner and S. Jackson.

Research Article:

“Performative Biomimesis: Technologies of Environmental Immersion through Fishing Lures, Taxidermy Mounts, and Ghillie Suits.”

TEACHING

Graduate Seminars, 2010-present

Doctoral Program Seminar	for HASTS (History, Anthropology, and STS) at MIT
STS.756	Experiments on Film: Science and Technology
STS.310	Introduction to the History of Science
STS.260	Introduction to Science and Technology Studies (HASTS requirement)
STS.390	Research and Writing Seminar in Science and Technology Studies

Undergraduate Courses, 2006-present

STS.056	Science on Screen (upper division seminar)
	Science and the Cinema: Experiments on Film
STS.008	Technology and Experience (lower division seminar)
	Wearable Technology and Human Experience
STS.003	The Rise of Modern Science (large lecture course, co-taught)
RISD S505	Making Science: Models, Images, and the Production of Knowledge

LIST OF THESES SUPERVISED (ADVISING)

Doctoral Program in History, Anthropology, and Social Science (HASTS), MIT

Richard Fadok. Exam and thesis Committee since 2015.

Grace Kim. Committee member since 2014. Exams committee 2015.

Alison Lawrence. Exams committee, 2015.

2nd year papers: Lan Li, Ellan Spero.

Other MIT Programs

2013 Jia Zhang, “Information Visualization as Creative Nonfiction” (Masters of Science [M. Sci.] in Comparative Media Studies)

2010 Gina Badger, “Oysters and Fieldwork: On Making Sense” (Masters of Science [M. Sci.] in the MIT Program in Art, Culture, and Technology) – Committee member

External Programs

2005 Rebecca Wexler, “Sociobiology and Feminist Science Activism” (A. B. History and Science, Harvard College) – Thesis advisor

UROPS

2013 Wei Zhao, “Research in Digital Humanities: Media Fabric”

2012 Jaime Chung, “History of Secondhand Textiles”

SELECTED ART EXHIBITION AND PUBLIC OUTREACH

2015 Group show of artworks at Boston Sculptors Gallery. June-July 2015.

2012 *Camouflage*, solo show at Aviary Gallery Boston. June-July 2012.

2011 “(In)Visible: Spaces, Bodies, Worlds” (Ritsumeikan University Kyoto, Japan)

2009 “Natural Histories of Blindness” (Museum of Natural History, Harvard University)

2008 “The Camoufleurs” (Bumpkin Island Artist Encampment, Boston). Details TK.

2008 “Industrial Melanism” (Machine Project Gallery, Los Angeles). Details TK.

2007 “Media Fabric/Recycled Film” (Garment District, Cambridge). Details TK.

2005 “Aqua Kinema” (Zentrum für Kunst und Medientechnologie Karlsruhe).