

HÉLÈNE MIALET

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ACADEMIC APPOINTMENTS

Since 2000 H el ene Mialet has taught Anthropology of Science and Science and Technology Studies at Cornell University (2000-2003), UC Berkeley (2003-2012) and Harvard University (2009). Prior to this, she held post doctoral fellowships at the Max-Planck-Institut f ur Wissenschaftsgeschichte, Berlin (1998-1999), the Maison Fran aise and the University of Oxford, where she also directed the History and Sociology of Science Program (1997-1998), and the department of History of Philosophy of Science at the University of Cambridge where she held a Marie Curie Fellowship from the European Union for extremely talented young scholars. She is currently **Senior Fellow** at the Center for Science and Innovation Studies and is teaching in the program of Science and Technology Studies, UC Davis (from January, 2014).

EDUCATION

- **Ph.D.** (1994), *Awarded with High Distinction*
Institut d'Histoire et de Philosophie des Sciences et des Techniques,
Sorbonne, University of Paris I, and the Centre de Sociologie de l'Innovation,
Ecole Nationale Sup erieure des Mines de Paris

Thesis: *Le sujet de l'invention.  tude empirique de la conception d'une id ee neuve: comparaison des m ethodes philosophiques et sociologiques*, directed by Fran ois Dagognet and Bruno Latour.
- **D.E.A.** (1990), *Awarded with High Distinction*
Institut d'Histoire et de Philosophie des Sciences et des Techniques
Sorbonne, Universit  de Paris I
- **Ma trise** (Philosophy, 1989), *Awarded with High Distinction*
Universit  de Lyon III

Thesis: *Le r le de l'inconscient dans la cr ation scientifique*, directed by Jean Claude Beaune
- **Licence** (Philosophy, 1988)
Universit  de Lyon

PUBLICATIONS

BOOKS

- *Hawking Incorporated: Stephen Hawking and The Anthropology of the Knowing Subject* (Chicago: University of Chicago Press, 2012). **Translation:** Japanese (Kashiwashobo, 2014).

Reviewed in: *Science; Disability and Society; British Journal for the History of Science; Common Knowledge; Technology and Culture; Liens Sociaux; Physics World; American Ethnology; Qui Parle; Choice; ISIS; Social Studies of Science; American Anthropology; Times Higher Education Supplement; Il Corriere della Sera; H+ Magazine; Frankfurter Allgemeine Zeitung; New Books in Science, Technology and Society and Anthropology; The New Scientist; Chronicle of Higher Education; Nature; Slate; Los Angeles Review of Books; Nihon Keizai Shinbun; Yomiuri Shinbun.*

- *A La Recherche de Stephen Hawking* (Odile Jacob, 2014), this is an extensively revised and edited version, written by the author, of *Hawking Incorporated* in French.

Press Coverage and Featured reviews in: *La Recherche; Les Echos; Inrockuptibles; Ciel et Espace; Système d'Information en Philosophie des Sciences.*

- *L'Entreprise Créatrice, Le rôle des récits, des objets et de l'acteur dans l'invention* (Paris: Hermès-Lavoisier, 2008), finalist, *prix avancía*, best book in French on Entrepreneurship and Innovation in 2008.

Reviewed in: *Documents pour l'histoire des techniques.*

- *Making the New: An Ethnography of Innovation*, English translation of *L'Entreprise Créatrice*, under review, Duke University Press.
- *Theoretical Investigations of the Actor of Invention*, 150 typescript pages completed.
- *Quantifying the Self: The Thinking Person Disease*, Manuscript in preparation.

PEER REVIEWED ARTICLES,[◇] BOOK CHAPTERS, ESSAYS & ESSAY REVIEWS:

- ◇ “The Concept of the Distributed Centered Subject,” in *Thinking in The World Reader* (Bloomsbury, Philosophy) Jill Bennett (ed.), in preparation.
- ◇ The Pugilist and the Cosmologist: “A Response to *Homines in Extremis*: What Fighting Scholars Teach Us about Habitus by Loic Wacquant,” *Body and Society*, 20/2 (2014): 91-99.

- “The Extended Body of Hawking” in a special issue (“Master and Servant in Technoscience”) of *Interdisciplinary Science Reviews* 37/4 (2012): 354-371.
- ◊ “Where STS Would Be Without Latour? What Would Be Missing?” *Social Studies of Science* 42/3 (2012): 456-461.
- “Stephen Hawking: L’étude ethnographique d’une statue,” in Olivier Thiery (eds.), *Penser la société et faire des sciences sociales au risque des non-humains* (Paris: La Découverte, 2011), 244-254.
- “Réflexion sur une pensée diagrammatique,” in Christian Jacob (ed.), *Les lieux de savoir*, volume 2 (Paris: Albin Michel, 2011), 922-944.
- ◊ “Making a Difference by Becoming the Same,” *The International Journal of Entrepreneurship and Innovation* 10/4 (2009): 257–265.
- ◊ “Reincarnating the Knowing Subject: Scientific Rationality and The Situated Body,” *Qui Parle?* 18/1 (2009): 53-73.
- “William X & Mr. H: Repenser l’Acteur de l’Invention,” *Documents pour l’histoire des techniques*, 17 (2009): 134-148.
- “Stephen Hawking,” *Encyclopedia of American Disability History* (New York, 2009).
- “Do Angels Have Bodies: Two Stories About Subjectivity in Science, The Cases of William X and Mr. H,” in E. Selinger and R. P. Crease (eds.), *The Philosophy of Expertise* (New York: Columbia University Press, 2006), 246-279.
- ◊ “Reading Hawking’s Presence: An Interview with a Self-Effacing Man,” *Critical Inquiry* 29 (2003): 571-598.
- “The ‘Righteous Wrath’ of Pierre Bourdieu,” Essay Review of Pierre Bourdieu’s *Science de la science et réflexivité*, *Social Studies of Science* 33/4 (2003): 613-621.
- “Is the End in Sight for the Lucasian Chair? Stephen Hawking as Millenium Professor,” in K. Knox and R. Noakes (eds), *From Newton to Hawking: A History of Cambridge University's Lucasian Professorships of Mathematics* (Cambridge: Cambridge University Press, 2003), 425-459.
- ◊ “A Propos d’Invention: Reconfiguration d’un Sujet Philosophique Saisi dans ses Pratiques?” *Rue Descartes, Official Journal of The Collège International de Philosophie*, Special Issue: “Rationalités de la Science” 31 (Paris: PUF, Mars 2001): 87-103.
- “We Have Always Been Mixed Up: Aristotle at the Heart of the Composite Age,” Essay

Review of Bernadette Bensaude-Vincent's *Eloge du mixte: Matériaux nouveaux et philosophie ancienne*, *Studies in History and Philosophy of Science* 32/1 (2001): 193-202.

- ◊ “Do Angels Have Bodies: Two Stories About Subjectivity in Science, The Cases of William X and Mr. H,” *Social Studies of Science* 29/4 (1999): 551-582.
- “The Brain of Hawking,” *La Lettre de la Maison Française* 9 (1998): 5-8.
- “William X & Mr. H: Deux Sujets Re-matérialisés,” *La Lettre de la Maison Française* 9 (1998): 140-170.
- “Les Pratiques de l'Invention,” in Robert Prost (ed), *Concevoir, Créer, Inventer* (Paris, 1995), 283-300.
- “Etude de la Culture Pastorienne,” European Commission Report (1995).

WRITINGS IN THE POPULAR PRESS

- “Hawking Inc. and *L'Entreprise Créatrice*,” for the “Blog Epic Advancing the Value of Ethnography in Industry,” in preparation.
- “Turing, Hawking, Turner,” article in preparation.
- “Diabetes Type 1: The quantified Self and Beyond,” *Scientific American* (print version), under review
- “Stephen Hawking, le mythe du génie solitaire,” *Pour la Science* 448 (février 2015).
- “Stephen Hawking, *Hawking Incorporated*, And The Myth Of The Lone Genius,” Guest Blog: Commentary invited by the editors of Scientific American, *Scientific American* (December 31, 2014).
- “On Stephen Hawking, Vader and Being More Machine Than Human,” *Wired* (January, 2013).
- “Le Phénomène Hawking,” Numéro Spécial: “Mythes et Légendes de la Science,” *Science et Avenir* (Juillet-Août 1997): 80-83.

RADIO

- France Inter (*La tête au carré*, French National Radio), October 29, 2013.
- France Culture, July 4, 2014.
- Radio France Internationale, July 10, 2014 (replayed February 23, 2015).
- France Inter (*La tête au carré*, French National Radio), January 15, 2015

INTERVIEWS AND TALKS FOR THE GENERAL PUBLIC

- Interview with H el ene Mialet “Stephen Hawking est l’oppos e du genie solitaire” in *La Recherche* (Novembre 2013): 38-41.
- Interview with H el ene Mialet “La face secr ete de Stephen Hawking,” in *Le Temps* 17 (January 2015).
- Video Interview with H el ene Mialet, Institute for Creative Integration, San Francisco.
- Talk/Consulting on creative processes, Institute for Creative Integration San Francisco.
- Sant e, handicap, vieillissement, vuln erabilit e: nouvelles techniques et prolongement de l’humain, d ebat d’id ees autour d’H el ene Mialet . *Digital Choc 2015*: “La fabrique du r eel,” Festival franco-japonais des cultures num eriques, organis e par l’Ambassade de France, Institut fran ais du Japon, et l’Universit e de Tokyo (27 f evrier 2015), l’Universit e de Tokyo.
- “Anthropologie Num erique, Les Entretien du Monde Industriel 2014,” Centre Pompidou, Paris, (December 2014), organized by Bernard Stiegler.
- “A la Recherche de Stephen Hawking,” Les Amis de la Culture Fran aise, Berkeley, (October 2014).
- Guest Speaker for TTI/Vanguard, The Advanced Technology Conference Series, London (July 2014).
- “Hawking and his Extended Body,” LASER, Leonardo Art Science Evening RendezVous, Palo Alto (February 2013), and San Francisco (September 2013).

RESEARCH AND TEACHING INTERESTS

Continental Philosophy and Philosophy of Science, History of Science, Phenomenology, Ethnographic Methods, Social Theory, the Sociology of Innovation, New Media, and Science and Technology Studies. I am particularly interested in the body and cognition, subjectivity, relations between humans and machines, mediated communication, leadership and organizations, scientific practices, disability studies, actor-network theory, ethnomethodology, ethnography, innovation and creativity in science, art and industry, and the sociology and philosophy of technology and techniques. Courses taught have included: “Philosophy of Science,” “The Scientific Genius,” “Introduction to Science and Technology Studies,” “Minds, Machines, Intelligence,” “Mind and Memory: Creativity in Science and Art,” “Body, Technology and (Dis)-Ability,” “Anthropology and Sociology of Science,” “Rethinking Things.”

AWARDS AND HONORS

- **Grant, Society for the Humanities** (\$1,500), Cornell University (2001).
- **President's Council of Cornell Women Grant** (\$5,500), Cornell University (2000).
- **Grant, Society for the Humanities** (\$2,500), Cornell University (2000).
- **Course Development Grant** (\$5000) from Cornell University's program of "Mind and Memory: Creativity in Science and Art" (2000).
- **Post-Doctoral Research Fellowship** (1998-1999). Max-Planck-Institut für Wissenschaftsgeschichte, Berlin.
- **Post-Doctoral Research Fellow** (£20,000), Maison Française and Oxford University, Ministère des Affaires Etrangères (1997).
- **Human Capital and Mobility Marie Curie Post-Doctoral Research Fellowship** (£100,000) for extremely promising young scholars (1995-1997).
- **Grant for Franco-Québécoise cooperation** (1991). Centre Inter-universitaire de Recherche sur La Science et la Technologie, Montreal, Canada .
- **Merit Grant** (\$36,000) from the **Ministère de la Recherche for the Ph.D.** (1990-1993).

INVITED TALKS

- "The History and Limits of the Actor-Network Concept," with a response by Mario Biagioli. *Biographies of Concepts in the Human and Social Sciences*: International Workshop, UC Berkeley, March 19th/20th, 2015.
- "The Ethnographic Study of Science and the Digital," Berkeley Institute for Data Science, Berkeley, (December 2014).
- Three day International Workshop "History of Knowledge", organized by Arne Höcker, Kijan Espahangizi & Kieran Murphy, Boulder CO (October 2014).
- Three day International Workshop "Translating Vitalities: Diverging to and from Chinese Worlds, *A Project for Dialogues on Life*." Organized by Judith Farquhar, Carla Nappi and Volker Scheid, Seattle (August 2014).
- Guest Speaker for "Rêve, Cinéma, Cerveaux" Académie d'été de l'Ecole de Philosophie d'Epineuil-le-Fleuriel, pharmacon.fr organized by Bernard Stiegler, Epineuil, (August 2014).

INVITED TALKS CONTINUED

- “Laboratories in the Global World,” Commentator and Chair, “Breaking Scientific Networks,” organized by Daniel Margocsy, Bill Rankin and Mario Biagioli, UC Davis (May 2014).
- “How to Think the Subject Anew,” Program in Critical Theory, UC Berkeley (April 2014).
- Keynote Speaker: “Why Things Matter,” Material Culture Conference, CSU Fullerton, (March, 2014).
- Respondent: Mini Conference Organized on *Hawking Incorporated*. Commentators: Joe Dumit, Jim Griesemer, Warren Sacks, Francesco Panese, UC Davis (January, 2014).
- “Are We All Disabled?” Disability Studies Group, UC Berkeley (October, 2013).
- “Repenser le Sujet Connaissant: Le Sujet Distribué-Centré,” Centre Culturel International de Cérisy, Conférence: Métaphysiques Comparées: La Philosophie à l’épreuve de l’anthropologie (July 2013).
- “Are We All Disabled? Some insights about our current socio-technological and literary practices through the lens of a scientific hero,” Stanford University, Stanford (May 2013) and UC Irvine (March 2013).
- Book Launch, Center For Science, Technology, Medicine and Society, UC Berkeley (December 2012).
- “Hawking Incorporated,” Centre Max Weber, Université Jean Monnet, St Etienne (June 2012).
- “Hawking Incorporated,” Institut des Sciences Humaines, Lyon (June 2012).
- “Hawking Incorporated,” CEMS-IMM/EHESS-CNRS (June 2012).
- “Reflections on an Embodied Mind at Work,” in Digital Inquiry: Forms of Knowledge in the Age of New Media, Berkeley Center for New Media (April 2012).
- “Hawking and The Knowing Subject,” Townsend Center, UC Berkeley, (September 2010), and Sociological Ontology Group organized by John Searle, UC Berkeley (October 2010 and November 2011).
- “Rethinking the Actor of Actor-Network Theory,” ISSI's Center for Urban Ethnography, UC Berkeley (March 2010).

INVITED TALKS CONTINUED

- “What is the Thinker doing? The Ethnographic Study of a Statue,” Harvard/MIT Subway Series (November 2009) and for the Theoretical Archeology Group, Stanford (May 2009).
- “Objects of Knowledge, Objects of Exchange: Contours of (Inter)disciplinarity,” Panel Discussant “Mediations across Media,” The Harvard Humanities Center (April 2009).
- “Seeing Through Calculations,” Cambridge University (January 2009); Harvard University (April 2009).
- “How to do Things with Words?” New Media, UC Berkeley (October 2008).
- “Hawking’s Mathematical Body,” Center for the History of Science Technology and Medicine, Imperial College (June 2007).
- “Rethinking the Actor of Invention,” Department of Sociology, UBC (December 2006).
- “Hawking Incorporated,” Centre de Sociologie de l’Innovation, ENSMP (November 2006).
- “Hawking and Assistive Technology,” Department of Communication, UCSD (April 2006).
- “Hawking’s Laboratory,” Department of STS, MIT (March 2006).
- “Hawking Hawking: How to Do Things with Words?,” Departments of History of Science and Anthropology, Harvard University (September 2005).
- “Hawking Hawking: How to Do Things with Words?” Interdisciplinary Studies, UBC (April 2005).
- “Hawking Hawking,” Northwestern University (March 2004).
- “An Anthropology of Innovation in Science and Industry,” UC Davis (February, 2004).
- “Following The Fabrication of an Autobiographical Text,” Department of Anthropology, Co- sponsored with Office for History of Science and Technology and the Townsend Center for the Humanities, UC Berkeley (February 2004).
- “Text and Presence: an Ethnographic Study of a Genius in the Making,” Department of Anthropology, University of Michigan (November 2002).
- “Stephen Hawking & Discourse Analysis,” School of Information, University of Michigan (October 2002).

INVITED TALKS CONTINUED

- “The Ethnographic Study of a Self-Effacing Man,” Organizing Vision: Transparency in Science, Technology and Politics, Cornell University (April 2002).
- “Looking for Stephen Hawking: Distributed Cognition and Subjectivity,” ST&S and History of Medicine Colloquium, University of Michigan (February 2002).
- “What makes a Creator a Genius,” Public Lecture, Cornell University (March 2001).
- “The Extended Body of a Genius: the case of Professor Hawking,” Department of STS, Cornell University (April 2000) & at the Max Planck Institute (November 1998).
- “A Propos d'Invention: Reconfiguration d'un Sujet Philosophique Saisi dans ses Pratiques,” Ecole des Hautes Etudes en Sciences Sociales (May 1998).
- “Emergence d'une nouvelle forme d'acteur innovant,” Centre de Recherche en Innovation Socio-Technique et Organisations Industrielles, CNRS-Grenoble (December 1997).
- “The Emergence of a Centred-Distributed Subject,” Oxford University (October 1997).
- “The Brain of Hawking,” delivered at the Conference “Body-Mind-Machine,” Maison Française d'Oxford, Oxford University (May 1997).
- “The Role of the Individual in the Actor Network Theory,” Centre for the Study of Knowledge Expertise Science, Dept. of Sociology & Social Policy, Southampton University (February 1997).
- “A Big and a Little Scientific Hero,” C.R.I.C.T. (Centre for Research into Innovation, Culture and Technology), Brunel University (February 1997).
- “How to Speak after SSK (or Today) about Geniuses and Heroes in Science,” Department of Philosophy and History of Science, Cambridge University (January 1997).
- “Ways to Invent: Fabrication of Genius,” Manchester University (December 1996).
- “A Quoi Peut Bien Ressembler un Cerveau Socialisé?,” Institut Fédératif des Neurosciences, Lyon (November 1996).
- “William X and Mister H: Two Stories about Subjectivity in Science,” History and Philosophy of Science Lecture Series, HPS, Cambridge University (October 1996).
- “Les Peuplades Scientifiques: Rituels & Traditions,” EEC Program, Lyon (May 1996).

INVITED TALKS CONTINUED

- “Le Corps du Sujet,” delivered at the conference on “Coordonner, Représenter, Attribuer” Ecole Nationale Supérieure des Mines de Paris (April 1996).
- “Etude de la Culture Pastorienne,” Granada University, Spain (October 1995).
- “Le Suivi Ethnographique des Pratiques d'un Chercheur,” Institut National de la Recherche Agronomique, Grenoble (December 1994).
- “Processus de Conception Scientifique,” delivered at the conference organised by the Ministère de l'Equipement (Bureau de la Recherche Architecturale), Paris (April 1992).

CONFERENCE PAPERS

- “New Forms for Old Things: Experiments in Scientific Story-Telling,” Chair and Commentor, Plenary Session of the History of Science Society, Boston (November 2013).
- “What Are We Missing: How to Think the Unthinkable?” Panel organizer, chair and speaker at the Society for the Social Studies of Science, San Diego (October 2013).
- “How to do Things with Words?” American Anthropology Association, San Francisco (for panel “How is Anthropology Doing: An Inquiry into Movement, Mode and Method in the Contemporary World,” organized by Kevin Karpiak, Chris Vasantkumar, Mattias Viktorin, November 2008).
- “Hawking meets Hawking,” Society for Cultural Anthropology, Los Angeles (for Panel “Aesthetics of Imitation: Science, Medicine, and the Politics of the Copy,” organized by Cori Hayden, May 2008).
- “Body-Technology and Dis-Ability,” Society for the Social Studies of Science/European Association for the Study of Science and Technology, Ecole des Mines de Paris (Invited poster for session “The Technological Animal,” organized by B. Latour and J. Tresch, August 2004).
- “Body-Techniques-Presence,” Panel Organizer and speaker, Society for the Social Studies of Science/European Association for the Study of Science and Technology, Ecole des Mines de Paris (August 2004).
- “Working and Studying Across the Atlantic,” Participant on a panel organized by the Council of the Student Section of the Society for the Social Studies of Science/European Association for the Study of Science and Technology (August 2004).

CONFERENCE PAPERS CONTINUED

- “How to Speak about Subjectivity in Science?” Society for the Social Studies of Science, Atlanta (for Panel “The Ascetic Subject of Truth,” organized by Rebecca Herzig, Andrew Lakoff, and Jan Golinski, October 2003).
- “Reading Presence: The Extended-Body of a Genius,” Annual Conference for the Society for Phenomenology and Existential Philosophy, Chicago (for Panel on post-phenomenology organized by Don Ihde, October 2002).
- “HawKing’s Two Bodies,” Society for the Social Studies of Science/European Association for the Study of Science and Technology, Vienna (October 2000).
- “The De-Construction of Genius,” Society for the Social Studies of Science/European Association for the Study of Science and Technology, Bielfeld, Germany (October 1996).
- “About a Knowing Subject,” delivered at the conference on “Historical Epistemology,” organized by Ian Hacking, Arnold Davidson, Bruno Latour and Lorraine Daston, University of Toronto, Canada (November 1993), Commentator on Ian Hacking’s paper: Historical Epistemology.
- “The Empirical Study of a New Idea,” Society for the Social Studies of Science/European Association for the Study of Science and Technology, Göteborg (August 1992).

ADMINISTRATIVE AND ORGANIZATIONAL EXPERIENCE

- **Editorial Advisory Board**, *Social Studies of Science* (2005-present).
- **Editorial Advisory Board**, *Etudes Digitales* (2014-present).
- **Referee**, *Social Studies of Science*, *Social Epistemology*, *Theory, Culture and Society* and *Body and Society*.
- **Invited Expert Advisory Board Member**, “Nanotechnology: Ethical, Legal and Social Implications,” submitted to the European Commission (2007).
- **Program Committee** 4S/EASST, Paris, August 25th-28th (2004).
- **Director of Undergraduate Studies** in ST&S, Cornell University (2003).
- **Undergraduate Admissions Committee**, Cornell University (2001).
- **Editor**, *La Lettre de la Maison Française d’Oxford* (1997-1998).
- **Conference Organizer**, “Revolution in Art, Science and Politics” (May 1998), *Maison Française d’Oxford*, Oxford University.

- **Conference Organizer**, “Re-casting The French Epistemological Tradition: Canguilhem-Foucault” (February 1998), Maison Française d’Oxford, Oxford University.
- **Conference Organizer**, “Mauris Daumas Revisited” (December 1997), Maison Française d’Oxford, Oxford University.
- **Conference Organizer**, “Body-Mind-Machine” (May 1997), Maison Française d’Oxford, Oxford University.
- **Conference Organizer**, “Franco-British Themes in Science and Instrumentation since the 18th century” (March 1997), Maison Française d’Oxford, Oxford University.
- **Conference Organizer**, “Geniuses and Heroes in Science” (January 1997), Cambridge University, Department of History and Philosophy of Science.

LANGUAGES

- French: Native speaker
- English: Fluent written and spoken
- Spanish: Reading