

ANNE GALLOWAY

**Assistant Professor (LTA)
Design & Computation Arts
Concordia University
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EDUCATION

Doctor of Philosophy - 2008

Department of Sociology & Anthropology
Carleton University
Ottawa, ON, Canada

Master of Arts - 1999

Department of Anthropology
Trent University
Peterborough, ON, Canada

Bachelor of Arts – 1996

Department of Anthropology
University of Alberta
Edmonton, AB, Canada

PHD DISSERTATION

A Brief History of the Future of Urban Computing and Locative Media

Following urban computing and locative media and their accompanying visions from labs, conferences and classrooms to journal publications and popular media accounts, this dissertation presents four case histories in corporate, academic and artistic design practice. An analysis of the *Mobile Bristol*, *Passing Glances*, *Sonic City* and *Urban Tapestries* research and design projects draws out the idea that everyday life in the future city is expected to become more expressive, engaging and meaningful. The increased extensibility and transmissibility of the city itself, along with an increased ability to be socially embedded within it, is seen to be a fundamental promise inherent in these projects. The dissertation argues that such spatial and cultural potentialities can be productively understood as involving temporary, selective and mobile publics, where creative and playful interactions emerge as primary means of social innovation. The dissertation builds on available sociological approaches to understanding everyday life in the networked city to show that emergent technologies reshape our experiences of spatiality, temporality and embodiment. It contributes to methodological innovation through the use of data bricolage and research blogging, which are presented through experimental and recombinant textual strategies; and it contributes to the field of science and technology studies by bringing together actor-network theory with the sociology of expectations in order to empirically evaluate an area of cutting-edge design.

Supervisor

Rob Shields, Henry Marshall Tory Chair and Professor, Sociology and Art & Design, University of Alberta

Committee

Gitte Lindgaard, NSERC/Cognos Chair in User-Centred Product Design and Professor, Psychology, Carleton University
Carlos Novas, Assistant Professor, Sociology, Carleton University

External examiner

Mike Michael, Professor, Sociology, Goldsmith's College, University of London

AWARDS & SCHOLARSHIPS

Social Sciences and Humanities Research Council of Canada Doctoral Fellowship

Carleton University, 2003-2005
Value: \$38,000

Ontario Graduate Scholarship

Carleton University, 2002-2003
Value: \$15,000

Design for Mixed Realities Summer School Scholarship

Convivio Network for People Centred Design (Part of the European Commission's Future and Emerging Technologies Programme), 2003
Value: €1000

Norman Pollack Memorial Award

Carleton University, 2001-2002
Value: \$1900

Dean of Graduate Studies Entrance Scholarship for Academic Excellence

Carleton University, 2001-2002
Value: \$2000

Bagnani Graduate Award for Academic Excellence

Trent University, 1998
Value: \$800

RESEARCH INTERESTS

My research interests range across a wide variety of subjects related to one another through my long-time fascination with technology, space and culture. This interest in what we do and what we make led me to studies in sociology, anthropology, ethnohistory and archaeology—but always returning me to social and cultural theory, as well as material culture and history, architecture and social space, social studies of science and technology, design cultures and innovation practices, and qualitative methods. My current research explores how actor-network theory and critiques of everyday life can help people understand and shape emergent technologies.

PEER-REVIEWED PUBLICATIONS

Galloway, Anne and Matthew Ward. 2006. "Locative Media as Socialising and Spatialising Practice: Learning from Archaeology." *Leonardo Electronic Almanac*, Vol. 14, Issue 3/4. Available online: http://leoalmanac.org/journal/Vol_14/lea_v14_n03-04/gallowayward.asp

Galloway, Anne. 2004. "Intimations of Everyday Life: Ubiquitous Computing and the City." *Cultural Studies*, Volume 18, Numbers 2-3, pp. 384-408.

BOOK CHAPTERS

Galloway, Anne. In press. "Mobile Publics and Issues-Based Art and Design." In *Sampling the Spectrum*, edited by Barbara Crow, Michael Longford and Kim Sawchuck, Toronto: University of Toronto Press.

Galloway, Anne. 2007. "Seams and Scars, Or How to Locate Accountability in Collaborative Work." In *(Un)common Ground: Creative Encounters across Sectors and Disciplines*, edited by Cathy Brickwood, Bronac Ferran, David Garcia and Tim Putnam, pp. 152-159. Amsterdam: BIS Publishers.

INVITED LECTURES & KEYNOTE ADDRESSES

Galloway, Anne. 2008. "Affective Politics in Urban Computing and Locative Media." *ROSS Lecture Series*, Georgia Tech, 24 April, 2008, Atlanta, USA.

Galloway, Anne. 2007. "Keynote address: 'Where I come from this is how we do things' and other ethics of collaboration." *ENTER_Unknown Territories Conference*, 25-27 April, 2007, Cambridge, UK.

Galloway, Anne. 2007. "Layering Technologies." *Framtidens Mobil Lecture Series*, Norsk Form and Oslo School of Architecture and Design, 11 April, 2007, Oslo, Norway.

Galloway, Anne. 2007. "Design research as critical practice." *29th Annual Seminar - Carleton University School of Industrial Design*, 12-13 January, 2007, Ottawa, Canada.

Galloway, Anne. 2006. "Of seams and scars: Tracing technological boundaries and points of attachment." *Fleshing Out: Wearable Interfaces, Smart Materials and Living Fabrics Seminar*, 9-10 November, 2006, Rotterdam, Netherlands.

Galloway, Anne. 2006. "Technosocial devices of everyday life." *Architecture and Situated Technologies Symposium*, 19-21 October, 2006, New York, USA.

Galloway, Anne. 2006. "Seeding a mongrel practice: Anthropological reflections on design + art + everyday life." *School of Art + Design Lecture Series*, University of Illinois, 9 October, 2006, Urbana-Champaign, USA.

Galloway, Anne. 2006. "Keynote Address: Technosocial Screens: Mobilities, Communities, Citizenships." *Interactive Screen 0.6: Margins: Media: Migrations Summit*, Banff New Media Institute. 13-18 August, 2006. Banff, Canada.

Galloway, Anne. 2006. "Location-aware technologies, spatial-annotation, and the fate of community." *Contemporary Architecture Discourse Colloquium - Yale School of Architecture*, 31 March, 2006, New Haven, USA.

Galloway, Anne. 2005. "Urban Mobile: At Play in the Wireless City." *Pervasive and Locative Arts Network (PLAN) Event @ ICA*, 1-2 February, 2005, London, UK.

Galloway, Anne. 2005. "Keynote Address: Playful Mobilities. Critical Mobilities." *Floating Points 2: Networked Art in Public Space Symposium*, Emerson College, 26 January, 2005, Boston, USA.

CONFERENCE & WORKSHOP PRESENTATIONS

Galloway, Anne. 2007. "Towards Issues-Based Art and Design Research." *Mobile Nation Conference*, 22-25 March, 2007, Toronto, Canada.

Galloway, Anne. 2006. "Collective remembering and the importance of forgetting: a critical design challenge." *Designing for Collective Remembering Workshop - CHI 2006*, 23 April, 2006, Montreal, Canada.

Galloway, Anne. 2005. "Design in the Parliament of Things." *Design Engaged*, 11-13 November, 2005, Berlin, Germany.

Galloway, Anne. 2005. "Virtually ubiquitous, actually situated: mobile & context-aware computing." *Canadian Association of Cultural Studies Conference*, University of Alberta, 20-23 October, 2005, Edmonton, Canada.

Galloway, Anne. 2005. "Urban Mobilities: Ubiquitous computing, space and culture." *Inside/Outside: Responsive Environments and Ubiquitous Presence Summit*, Banff New Media Institute, 5-8 August, 2004, Banff, Canada.

Galloway, Anne, Jonah Brucker-Cohen, Lalya Gaye, Elizabeth Goodman, Dan Hill. 2004. "Design for Hackability." *Designing Interactive Systems (DIS) 2004*, 1-4 August, 2004, Cambridge, USA.
Galloway, Anne. 2004. "Everyday Life in the Wireless City." *Street Talk: An Urban Computing Event*, Intel Research Berkeley, 16 July, 2004, Berkeley, USA.

Galloway, Anne. 2004. "Cities & Mobile Technologies: The Sounds of Mobility." *Approaching the 'city': Alternative urban studies conference*, INCITE, University of Surrey, 15-16 January, 2004, Surrey, UK.

Galloway, Anne. 2004. "Playful Mobilities: Ubiquitous Computing in the City (Part I)." *Alternative Mobility Futures Conference*, Centre for Mobilities Research, Lancaster University, 9-11 January, 2004, Lancaster, UK.

Galloway, Anne, Martin Ludvigsen, Hillevi Sundholm and Alan Munro. 2003. "From Bovine Horde to Urban Players: Multidisciplinary Interaction Design for Alternative City Tourisms." *Designing for Ubicomp in the Wild Workshop*, MUM 2003, 10-12 December, 2003, Norrköping, Sweden.

Galloway, Anne. 2003. "Tracing Technological Intimacies: Ubiquitous Computing Assemblages." *Intimate Ubiquitous Computing Workshop*, UbiComp 2003, 12-15 October, 2003, Seattle, USA.

Galloway, Anne. 2003. "The Augmented City." *Digital Genres Conference*, 30-31 May, 2003, Chicago, USA.

Galloway, Anne. 2002. "Going Anywhere, Being Everywhere: Metaphors of Mobility for Ubiquitous Computing." *Concepts and Models for Ubiquitous Computing Workshop - UbiComp 2002*, 29 September - 1 October, 2002, Göteborg, Sweden.

Galloway, Anne. 1998. "The patas of Inka Qosqo: compositions in time & space." *Kenneth Kidd Lecture Series*, Trent University, Peterborough, Canada.

Galloway, Anne. 1997. "Archaeological Evidence for Textile Production at Tarmatambo, an Inka Administrative Centre in the Peruvian Central Highlands." *Institute of Andean Studies 37th Annual Meeting*, University of California-Berkeley, USA.

Galloway, Anne. 1997. «Un taller de tejidos en el centro administrativo incaico de Tarmatambo, sierra central del Perú». *49th International Congress of Americanists*, Quito, Ecuador.

Galloway, Anne. 1997. "Space, Society and State: Inka architecture and settlement planning." *Geomancy: Navigating the Future of Theory*, Trent University, Peterborough, Canada.

BOOK REVIEWS & POSTCARDS

Galloway, Anne. 2004. "Postcard from the urban frontier." *Space and Culture* 7(4): 446-449.

Galloway, Anne. 2003. "Five Books on Design and Culture." *Space and Culture* 6(3):340-344.

MAGAZINE ARTICLES

Galloway, Anne. 2004. "Fashion Sensing / Fashioning Sense : A Conversation About Aesthetics with International Fashion Machines' Maggie Orth." *HorizonZero* Issue 16, August 2004. Available online: <http://www.horizonzero.ca/textsite/wear.php?is=16&file=8&tlang=0>

Galloway, Anne. 2004. "Mobility as world-building/technologies at play." *receiver* Issue 10, June 2004. Available online: <http://www.receiver.vodafone.com/10/articles/index04.html>

PRESS INTERVIEWS

McClellan, Jim. "Inside the Ivory Tower." *Guardian Unlimited*, 23 September, 2004. Available online at: <http://education.guardian.co.uk/elearning/comment/0,,1311177,00.html>

Baard, Mark. "Balancing Utility With Privacy", *Wired News*, Oct 21, 2003. Available online at: <http://www.wired.com/science/discoveries/news/2003/10/60871>

ACADEMIC SERVICE

WEB EDITOR

Space and Culture (www.spaceandculture.org)

JOURNAL REFERREE

Space and Culture
 Social and Cultural Geography
 New Media & Society
 Leonardo: Art, Science and Technology
 Journal of Latin American & Caribbean Anthropology
 Journal of Computer Supported Cooperative Work
 Crossings: Electronic Journal of Art and Technology

CONFERENCE REFEREE

ISEA 2006: Interactive City
 CHI 2005: ACM Conference on Computer-Human Interaction

TEACHING

I believe that teaching and learning begin by simply coming together as people and considering the possibility and potential of different worlds. By integrating a wide variety of readings, lectures, small group discussions, research projects, presentations and creative activities, I encourage students to identify and improve upon their existing strengths as well as to cultivate new skills that will continue to serve them in the future.

My teaching interests and experience include social studies of science and technology, material culture studies, cultural theory, qualitative research methods, art and design.

COURSES DEVELOPED & TAUGHT

2008-2009

Design & Computation Arts, Concordia University

dart 391: Collaborative Design Research

This is a core theory-based studio course in design research methodologies and strategies for collaborative project development - highlighting the role of designer as social and cultural mediator. Throughout the term we will focus on participatory, sustainable and responsible methods for designing with, and for, non-profits, government and other public organisations. Each week, studio practice and project development will be augmented with lectures, readings and discussions that locate collaborative design research practice within the broader cultural and material dimensions of public life, civic engagement and social justice.

<http://dart391b.wordpress.com/> (Fall 2008)

cart 453: The Digital Nomad

In order to explore the roles that computational art can play in an increasingly technologised and mobile world, this studio course examines the social, material, ethical and aesthetical dimensions of nomadism in everyday life. Each week, studio practice and project development will be augmented with lectures, readings and discussions that locate computational art within the broader cultural and material dimensions of global mobility and nomadic lifestyles.

<http://cart453.wordpress.com/> (Fall 2008)

dart 492: Discursive Design Research (Winter 2009)

cart 452: Tri-Media Productions (Winter 2009)

2005-2008

Sociology & Anthropology, Carleton University

soci 2700: Power & Everyday Life

This second-year course takes up Ben Highmore's challenge to question everyday life and allow everyday life to question our understandings of the world. The first term introduces students to a variety of critical and historical perspectives on power and everyday life, and how these theoretical and methodological approaches can help us actively understand relations of production and consumption in our daily lives. Delving into everything from how we experience space and time to how we understand bodies, identities, objects and interactions with others, the second term focusses on technoscience as a primary force shaping power relations and everyday life today.

<http://powerandeverdaylife.wordpress.com/> (Fall 2007–Winter 2008)

anth/soci 4036: Advanced Studies in Science, Technology & Innovation

This fourth-year seminar focusses on critical and creative engagement with contemporary social and cultural studies of technoscience. In addition to focussing on philosophical and historical approaches to scientific knowledge and practice, including their shifting roles within the social sciences, students will take on the political and ethical dimensions of technoscience in everyday life. From how scientists, engineers and designers work, to how gender shapes — and is shaped by — innovations in biotechnology, this seminar encourages students to articulate what might constitute technoscientific citizenship today and into the future.

<http://socanth4036.wordpress.com/> (Winter 2007)

anth/soci 2035: Introduction to Sociology of Science & Technology

This second-year course introduces students to material culture studies and recent literature in social and cultural studies of science and technology, while offering the opportunity to critically explore a variety of practices and issues affecting our daily lives. Specifically, students will come to understand how science and technology shape and are shaped by material objects, as well as social and political interests and processes. By studying both structural (macro) and individual (micro) interactions, students will be able to apply this knowledge to their everyday lives, both present and future.

http://www.purselipsquarejaw.org/2035_Fall06/ (Fall 2006)

http://www.purselipsquarejaw.org/2035_2006/ (Winter 2006)

soci 4038: Advanced Studies in Urban Cultures

This fourth-year seminar builds on John Urry's premise that 'mobilities,' as both metaphor and as process, are at the heart of social life. Students will critically engage questions such as: When cities embody global relations, flows, migrations and cultural ties to far-off places, for whom does the urban remain as tangible and clearly delimited as the medieval walled city? How is city space and public life organised? How are urban spaces becoming increasingly technologised? What forms do power, control and resistance take? How do different people negotiate personal and group identities and experience everyday life in the city?

http://www.purselipsquarejaw.org/4038_2006/ (Winter 2006)

http://www.purselipsquarejaw.org/urban_cultures_course/index.html (Winter 2005)

emcp 212: i txt, therefore i am

Part of the Enrichment Mini-Course Program, this week-long class for secondary school students provides an introduction to the social and cultural study of mobile phones in everyday life.

<http://itxt.blogspot.com/> (Spring 2006)

1999-2000

Interdisciplinary Studies, Sir Sandford Fleming College

Media Studies

Spanish Culture & Language

TEACHING ASSISTANT

2001-2005

Sociology & Anthropology, Carleton University

soci 100: Introduction to Sociology

1996-1999

Anthropology, Trent University

anth 212: Introduction to Archaeology