Current location technologies have become tools used by contemporary artists, theorists, designers and scientists to reformulate our understanding of social engagement within an enlarged concept of place. These new mobile networks have altered the way people exist in and relate to spaces where the real and virtual world blend, blurring the lines of traditional spatial definitions and frameworks. This special issue provides a variety of perspectives and practices on the meaning and interpretation of today’s locative media.
L.A. Re.Play: Mobile Network Culture in Placemaking
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Meanderings and Reflections on Locative Art

The word ‘locative’ is often accompanied by the word ‘media’ as if it were to seeking a legitimacy in its technologic features more than in the artistry of the production of content. Instead, I’d like to place the word ‘art’ at the forefront of the argument, and to consider the notion of locative art as art that is spatially contextualized, art that encompasses artistic practices that draw from movement (and/ or the lack of it) and location, which is their source of inspiration, content, materiality, and context. This notion can be enlarged to encompass virtual, hybridized, and non-virtual worlds, since there is a notion of spatiality in all of them, although in some artworks this notion may be expressed as an abstraction. The desire is to move away from the word ‘media,’ and to take a stance that defines artworks on the basis of inspiration, content, materiality, and context. This special issue should be read as an analysis of these recent evolutions, and of how locative media have engaged the world and mapped their own domains in the process of becoming locative art, now embedding itself within the increasingly contested realms of public space and social activism.

This special issue, which is based on the work done by Hana Iverson and Mimi Sheller, might appear similar to the Leonardo Electronic Almanac special issue, Volume 14, No. 3, which was entitled “LEA Locative Media Special Issue,” and which hit the ‘electronic waves’ in 2006. There are several reasons why it was time to produce a new issue on Locative Art, and the most important of these was the new sense of sociopolitical consciousness that pioneers of digital technologies and contemporary artists are bringing forward. Drew Hemment wrote in his introduction to the “LEA Locative Media Special Issue”:

Artists have long been concerned with place and location, but the combination of mobile devices with positioning technologies is opening up a manifold of different ways in which geographical space can be encountered and drawn, and presenting a frame through which a wide range of spatial practices may be looked at anew.

It is instead a step forward in the analysis of what has been produced and what locative art has evolved into over the past 10 years, from a nascent of anxiety and hope for its evolution, to its present form as an artistic medium gaining recognition within the complex world of contemporary fine arts.

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“There is now a menace, which is called Twitter,” Erdoğan said on Sunday. “The best examples of lies are found there. To me, social media is the worst menace to society.”

Erdoğan’s words are reflected in Amnesty International’s report, which reveals the level of intimidation employed by the Turkish government to silence opposition from a variety of sectors within civic society.

“Social media users active during the protests have been prosecuted, while attempts have been made to block the sites that carried their words and videos.”

It is the progressively politicized nature of space and location, as well as the act of locating, that makes locative media art political, politicized, and politicizable. Hence, locative media art must be placed in the context of the political stances and struggles, or lack thereof, that will define its aesthetic, or lack of aesthetic. Conor McGarrigle recalls the Situationist International in his construction of locative situations framed as a form of alternative construction and engaged relation with life, a relation that people can define and not just passively consume.

To counter what they saw as the banality of everyday life, they proposed actively constructing situations rather than merely passively consuming or experiencing them. Rather than describing and interpreting situations, the situations would seek to transform them. If, as they believed, human beings are ‘moulded by the situations they go through’ and ‘defined by their situation’, then they need the power to create situations worthy of their desires rather than be limited to passive consumers of the situations in which they find themselves.

In sociopolitical and philosophical terms, this analysis provides the opportunity to perceive life as being founded on the responsibility and sense of gravitas in human action – *faber est suae quisque fortunae* – which, by stressing the possibility of construction – the *artifex* as creator – reestablishes the Situationist International within a locative art practice that constructs and reshapes life in a social context that no longer appears to afford hope.

This definition of the participant in the constructed situation as an autonomous agent within the structure of the work and not limited to enacting a predefined script is key. I will identify locative works which exhibit this tendency, which go beyond a model of the participant being defined by the application in favour of an open model, a set of procedures or a toolkit with which participants construct their own situation to be ‘lived’ independently of the artist.

The definition McGarrigle proposes creates a dichotomy between the sociopolitical constructs and adopted behavioral models in new media versus the open procedures of engagement that enable the *artifex* to construct situations and therefore construct his/her own destiny.

It is this transformative potential emerging from the construction and/or reconstruction of space that, as editors, Hana Iverson and Mimi Sheller want to present and argue in favor of.

By considering the practices of process-based, socially engaged, conceptual and performance art and their relationship to activism, design and mobile art, we are able to examine the conditions of how these projects may transform place, politics, and the realm of public art.

This LEA special issue is a survey that explores and aims to understand the sociopolitical possibilities of contemporary art, and that delves into the realm of location and its contexts.

My hope is that it may offer readers the opportunity to understand the complexity of materials, processes, and contexts – as well as the contemporary responsibilities – that art practices wield in their location and construction of media outside the limitations that Marshall McLuhan defined as “rear-view mirror” approaches.

*de meo figurine ibidest.* Gaius Valerius Catullus, fragments.

Lanfranco Aceti
Editor in Chief, Leonardo Electronic Almanac
Director, Kasa Gallery

REFERENCES AND NOTES


3. I would like to thank Mark Sluwarek, John Craig Freeman, Will Pappenheimer and Tamiko Thiel for exhibiting with the Museum of Contemporary Cuts in Istanbul and with Kasa Gallery. http://www.lanfrancoaceti.com/2013/09/i-occupy. In particular Will Pappenheimer placed a large cloud writing with the text ‘Why I Occupy’ over Gezi Park in Taksim Square, Istanbul. The artwork is still visible and was part of a series of events linked to the panels discussion held at Kasa Gallery titled Making Visible the Invisible: Media, Art, Democracy and Protest.


8. Ibid., 57-58.

L.A. Re.Play: Mobile Network Culture in Placemaking

INTRODUCTION

Artists, social scientists, and theorists have increasingly explored mobile locative media as a new kind of social and spatial interface that changes our relation to embodiment, movement, place and location. Indeed, many artists and theorists have claimed mobile locative art as a crucial form of social experimentation and speculative enactment. In the social sciences recent work especially draws attention to cultural adoption and everyday appropriation of mobile media, the re-emerging significance of place-making and locatability, and the infrastructures, regulatory regimes, and dynamics of power that shape contexts of use. This work has drawn attention to the intersection of place-making, movement, and political aesthetics. Rowan Wilken emphasizes ideas of “place as relational, as inherently connected to mobility, and as constantly worked out through mundane practice,” drawing on Tim Cresswell’s studies of being “on the move,” Larsaj Hörlst’s work on “mobile intimacy,” Tim Ingold’s idea of “ambulatory knowing,” and In-grid Richardson’s work on interactive media and forms of “visceral awareness,” amongst others. All of these contributions to theorizing mobile locative media are particularly relevant when it comes to interpreting recent works in mobile locative art.

In the arts and culture fields the debate on mobile media to date has focused on the creative potential of mobile locative media and ubiquitous computing, its cultural impact, and critical responses to mobile digital art. Some of the most interesting questions concern how new mobile media can change relations between embodiment, place, and spatial awareness, echoing these debates in the social sciences. For example, media curator and theorist Christiane Paul highlights the importance of the digitally-enhanced body as a new kind of interface:

“Digital technologies have expanded the agency enabled by our embodied condition: our bodies can function as interfaces in navigating virtual environments; avatars can be understood as a virtual embodiment; wearable computing can establish a technologized connectivity between bodies; and mobile devices can function as technological extension of embodiment, connecting us to location-based information and enhancing awareness of our environment or ‘social body.’”

Given the significance of artists in the debates about mobile locative media (see Southern in this issue), we believe it is a productive time to further explore how artworks, using the new contexts afforded by mobile locative media are engaging new kinds of hybrid embodied/digital interactions with place, location, and movement.

How exactly do mobile digital technologies expand the agency of our embodied condition? In 2002, Australian media theorist Ross Gibson was asked what will be the artistry of the future; he replied that “artists will supply us with the beguiling processes of transformation ... artists won’t be fabricating objects so much as experiences – they will offer us intensely ‘moving’ immersion in (or perhaps beyond) the objective world. This immersion will be so moving that the ‘objective world’ will cease to be sensible in the ways we thought normal.” What will exist as art in this future vision? How does mobile art reconfigure objects, subjects, place, space and time? How does mobility extend the discussion around media art through a broader reconfiguration of cognition? As Claire Bishop asks, what does it mean “to think, see and filter affect through the digital”? If the physical world is the ground for the affect produced by the digital, then how do the emerging art practices of mobile locative media immerse participants in site-specificity as well as distant networked places, and unfold local temporalities as well as deeper collective times and histories?

In this special issue we want to argue for the need to radically re-think the genealogy, purposes, and affects of mobile art, in an effort to enlarge the critical vocabulary for the discussion of “digital art;” and the divides that it encounters. Arousing out of a double session on Mobile Art: The Aesthetics of Mobile Network Culture in Place Making, and the associated mobile art exhibition L.A. Re.Play, co-organized and curated by Hana Iverson and Mimi Sheller, with assistance from Jeremy Hight — and held at UCLA, the Art Center College of Design, and the Los Angeles Convention Center as part of the College Art Association Centennial Conference (Los Angeles, February 2012) — this project brought together some of the leading U.S. and international artists working with mobile and geo-locative media today. This concentrated series of events, along with this special issue of LEA, provides a platform and situation to reflect upon mobile media art today; where it has come from, how it is being practiced, and where it is heading.

We intend to move beyond a geo-locational or screen-based focus (that has attracted the attention of some artists due to the proliferation of smart-phones) to address a body of works that extend outward to collective experiences of place. Mobile media art is one of the key arenas in which emergent interactions with the embodied and sensory dimensions of place, movement and presence itself are being explored. Crucially, it can be understood as connected to wider histories of performance art, relational art, immersive theater, experimental video, sound art, and socially engaged public art. Mobile art includes a diverse set of practices that might involve sound walks, psychogeographic drifts, site-specific storytelling, public annotation, digital graffiti, collaborative cartography, or more complex “mixed-reality” interactions. It tends to engage the body, physical location, digital interface, and social relations both near and distant, sometimes in terms of what one contributor calls “relational architecture.” Through its unique visual, sonic, haptic, social and spatial affordances, mobile art provides a sensory engagement with virtual and material surroundings, mediated through the participant’s embodied sensations augmented by digital technology. Featured at international festivals such as the International Symposium on Electronic Art (ISEA), FutureEverything, Conflux and Radiator, it also offers an important locus for thinking about new kinds of social engagement with other people, collectives, or publics.

In introducing this special issue we will focus on three key themes that emerge out of this body of work: first, the ways in which mobile art is socially networked and participatory, often involving the creative collaboration between artists, participants and the broader public, and what the implications of this are; second, the crucial ways in which mobile art engages with location, augmented physical presence, and sensory perceptions of place, eliciting new experiences of “hybrid space” as both a bodily and more-than-bodily experience; and third, the political possibilities for mobile locative media to add new dimensionality to public space, and thereby push the boundaries of civic
engagement and politics in mobile network culture beyond its current limits. Interspersed throughout this introductory discussion we describe and locate the specific essays in the special issue, as well as noting some of the art works in the L.A. Re:Play exhibition. The issue itself includes a range of materials generated out of the CAA panels, the exhibition, and ongoing discussions amongst the participants, including artists’ descriptions (and images) of their own work and reflection on their practice, more theoretical and historically informed analysis of aspects of mobile and networked art, interviews with artists and between co-participants in the project, and creative writing that emerged out of this year-long process.

SOCIA LLY NETWORKED AND PARTICIPATORY MOBILE ART

The notion of participatory art has been trying in different ways to enlarge the consideration of art and aesthetics for more than thirty years. Mobile art, like other new media art, has a strong relationship to politics and socially engaged art in that both fields rely on “a highly critical and informed view of interaction, participation and collaboration.” The works we present will examine these conditions in more depth. Mobile art often happens outside the space of the gallery or museum, and without any intervening art object, as such, it may be “locative” yet hard to locate. It may appear on hand-held screens, or computer screens, often with the addition of speakers, headphones, or earbuds, but it might also extend far beyond these devices into a wider experiential realm; it may engage with the “virtual” realm, as well as mobilizing various kinds of narrative imagination and imaginations of place; it may address the present embedded context, even as it interweaves it with histories or futures.

Emergent mobile art forms are able to take seemingly disparate elements and make sense of them to create a coherent yet unique experience for the viewer, listener, or participant. Many mobile art pieces are collaborative—engaging other artists or audiences in a shared vocabulary, and thereby incorporating their contribution into the whole. Umberto Eco, in his “The Poetics of Open Work” refers to open works “as those which are brought to conclusion by the performer at the same time he (or she) experiences them on an aesthetic plane.” These works are not open, in the sense of open to interpretation; they are open in the way in which they require participation in order to finish the act of the work itself. This is especially true of mobile artworks in which the relational ethics are a key part of the aesthetic.

The “relational turn” across many art activities and creative disciplines favors methodologies that are interactive, process-oriented rather than outcome-oriented, and open in Eco’s terms. “Situated engagement,” for example, is a theoretical frame for a participatory design approach that uses mobile technologies to focus on and design with micro-local neighborhoods, in living contexts that invite social participation and are often oriented toward social change and justice. Critic and curator Mimi Zeiger notes the link between “socially engaged art” and “tactical urbanism,” which have also been embraced as more mobile and fleeting engagements with urban space:

[…] Many activist designers have embraced “tactical urbanism” as the go-to descriptor (see the recently published and downloadable guidebook Tactical Urbanism 2: Short-Term Action, Long-Term Change) […] these projects are oppositional to the conventional operations – or strategies – of urban planners. Flexible and small scale, often temporary and with limited budgets, tactical projects take advantage of “chance offerings” – public spaces, empty lots, municipal loopholes. They deploy the fleetness and mobility described in [Michel de Certeau’s] The Practice of Everyday Life.

Likewise, mobile art can be said to enter the urban realm in a tactical way, making use of existing spatial patterns and routes, handheld devices and forms of navigation, modes of watching and listening, yet bending these towards other purposes. It creates a new relation to place, drawing the participant into a playful and potentially awakened form of engagement; part serendipity, part chance collage, the accidents of mobilized perception form a newly mediated kind of “exquisite corpse” in a surreal game of adventure as artistic venture.

Many of the works in L.A. Re:Play, and those discussed in the essays in this special issue, create new modes of creative co-production and networked participation in the city, and require participation in order to be accessed. Each one depends upon its context in the public realm, and plays upon the interdependence of digital and physical experiences, which activates a renewed sense of place and flexible relationship to cartography. Various kinds of soundwalks, along with mobile Augmented Reality, distribute mobile art across a walkable terrain whereby a series of situated visual and sonic elements can be accessed and experienced by an ambulatory audience. Such works have their roots in both land art and sonic art; as explored further in the essay contributed by Ksenia Fedorova on the “sublime” potential of sound. Artist Teri Rueb, for example, whose work was presented in L.A. Re:Play and in an essay here, explores in her mobile auditory works “a thinking and doing landscape… to define a radically expanded field in which to consider embodied interaction and mobile media.” Experiencing her work helps us “to think bodies, sensations, space and time together.” Several artists working with mobile media draw on the history of psychogeography, originally set in motion as a surrealist experiment with the city through the “derive,” a drifting serendipity of encounter, while others lean towards mobile gaming.

The artists working with mobile psycho-geography create new ways to navigate choreographies of place, now augmented with mobile and locational technologies. For example, Leila Nadir and Cary Peppermint of ecoarttech present their piece “Indeterminate Hikes,” which “acts as both locative artwork and practice-based inquiry into the imagination of public place and the environment in the context of networked mobility and ubiquitous computing devices.” Aesthetically, though, their work is not about the technology or the mobile experience itself, but takes inspiration from Guy Debord’s psychogeography, FelixGuattari’s lines of flight, John Cage’s random yet structured processes, and Michel Foucault’s radical ethics of the self. Likewise, Australian architect Ian Woodcock discusses his collaborative works “PastCityFuture” and “en route,” which “uses locative technologies, psychogeographic techniques and urban choreography to create in participants a heightened awareness of presence and context, the here and now.” So the movements generated in these pieces occur both outside as a transit through space, and inside as a transformative state of being in place.

Choreographies here intersect with cartographies, which emerge as a key terrain for exploration of the digital co-production of space. Once new, but now increasingly routine, digital technologies such as Geo-Positioned Satellite (GPS) navigation systems and popular applications such as Google Earth have transformed the experience of the map as an interactive, dynamic, and multi-scale interface, as noted especially in the essay by Dutch artists Esther Polak and Ivar Van Bekkum, which describes their project of redeploying Google Earth as an artistic medium. Their
piece A Tom Tom Opera takes the viewer on a drive through a landscape accompanied by a satellite navigation-inspired choral soundtrack, which speeds past with “Doppler effect,” culminating in the visual and sonic crescendo of a crash. They ask: “What happens when people move through public space, listening to an electronic voice which is controlled by an invisible network of information systems?” As a kind of opera situated on the highway, the “visualisation is based on a GPS-track and animated directly in Google Earth, using its digital cartography as a worldwide, spatial opera-stage.” Maps, routes and cartographies are also explored by Robbins and Lambert, whose work “I-5: Passing” represents the atmosphere of a drive along Interstate 5; running between Los Angeles and San Francisco, as a representation of the mobile space of a particular kind of California culture. Both pieces engage, subvert and recombine our perceptions of place, building on traditions of Social Practice Art and Relational Art, but also engaging forms of participatory theater, experimental cinema, and collective narrative. Mobile art in this sense incorporates audiences – calling attention to their very corporeality and spatial/temporal situatedness – often in challenging ways. Many of these works combine evocative digital imagery, sound walks, mobile narrative, and site specificity, yet they do not necessarily require a high-tech “sentient city” to make them work. They also can be distinguished from more commercial or simply entertaining forms of mobile pervasive gaming although there can be a blurring of the two areas, as found in the series of immersive theater and mobile game works by the collective Blast Theory.

In effect the participatory, experiential realm of mobile, locative, situated engagement not only completes the circuit of the creative act, but also redefines the consciousness, experience and agency of the participant. The artists and theorists included in this special issue engage, subvert and recombine our perceptions of place, building on traditions of Social Practice Art and Relational Art, but also engaging forms of participatory theater, experimental cinema, and collective narrative. Mobile art in this sense incorporates audiences – calling attention to their very corporeality and spatial/temporal situatedness – often in challenging ways. Many of these works combine evocative digital imagery, sound walks, mobile narrative, and site specificity, yet they do not necessarily require a high-tech “sentient city” to make them work. They also can be distinguished from more commercial or simply entertaining forms of mobile pervasive gaming although there can be a blurring of the two areas, as found in the series of immersive theater and mobile game works by the collective Blast Theory.

In re-configuring contemporary “technoscapes” and “mediascapes” enacted through the relational embodied praxis of mobile art, such works re-set or re-play “modernity at large” in new ways. Mobile locative art evokes stories and creates new affordances for people to turn public spaces into meaningful places, to turn designed environments into new kinds of public experience, and to turn software interaction into potentially critical praxis. This leads to the next key element that we want to highlight: the radical mutation that mobile art can offer to our experience of space itself, through the production of a sense of immersion within digitally networked and “hybrid” place as we move through the physical world.

**HYBRID SPACE AND MOBILE AUGMENTED REALITIES**

Mobile media artworks are at once definable and indefinable. They suspend performers and participants in a tension around co-presence and mediated interactions that defy formal modes of presentation. Many works engage, subvert and recombine our experience, perceptions, and interactions with place and location by drawing upon elements of communication and sense perception that are both immediately present and mediated by technology (light, sound, narrative, affect, memory, history). In this issue, Jason Farman’s analysis of Simon Faithfull’s performance art piece, 0.00 Navigation, for example, notes the relation between physical objects (such as fences, houses) and virtual objects (such as GPS coordinates, or the Prime Meridian) in a kind of oscillating experiential space. Mobile media artists challenge and equip us to activate new social practices and performances via “hybrid spaces” that blur the distinction between physical and bodily and virtual, artwork and everyday space, creator and audience. Practitioners take it as given that through everyday practices with wireless networks and mobile social media, people are creating new ways of interacting with others, with places, and with screens while moving, or pausing in movement. Emerging practices of “mobile mediality” – understood as a new form of flexible, digitally mediated spatiality – are accomplished in motion, just as the artworks exploring it are not simply new apps, but are experiential happenings, performative interactional events. As such, they have implications for embodied perception.

Mobile arts practices that engage with our increasingly software-embedded and digitally augmented urbanism help to create a greater awareness of what some describe as “remediated” space, “networked place,” or “hybrid space.” Media theorist Adriana de Souza e Silva, in her studies of mobile locative networks and mobile gaming, argues that “Hybrid space abrogates the distinction between the physical and the digital through the mix of social practices that occur simultaneously in digital and in physical spaces.” It is not one or the other, but both at once. Jay Bolter and Richard Grusin in their book Remediation: Understanding New Media draw a distinction between immediacy and hypermediacy. The idea of transparent immediacy, or media proposed as “interfaceless” and immersive, occurs in earlier imaginaries of Virtual Reality (VR), imagined as drawing the participant into another world. Hypermediacy, on the other hand, involves a mix or juxtaposition of elements, both digital and physical, being in this sense more like Augmented Reality (AR).

In contrast to ideas of immersive media, therefore, the experience of hypermediated digital space is that it is rapidly dissolving into or permeating everyday life, especially through mobile devices. Elizabeth Grosz, in her book Architecture from the Outside: Essays on Virtual and Real Space argues that this dissolve takes place at the level of the perceptual, where there is a “change in our perceptions of materiality, space and information, which is bound directly to or indirectly to affect how we understand architecture, habitation and the built environment.” For artworks created within this hypermediated hybrid environment, the point is to create works that exist in this delimited realm both perceptually and actually. The issues of becoming remain continually processual. Such artworks have a kind of unstable or flickering presence, even while accessing multiple levels of “reality.” They might involve what Paula Levine in her contribution refers to...
to as “elastic geographies,” in which one cartography is displaced onto another to create a blurred experience of both at once, as in her work Shadows from Another Place: San Francisco→Baghdad (2004). Or the materiality of digital media might involve adapting to weather, noise, and gestures within a kinaesthetic field, even as one follows an abstract GPS coordinate depicted as a blinking dot on a screen, as Sawchuk and Thulin explore in their analysis of works like Lost Rivers and Montreal In/accessible, and contributor Jen Southern explores in works such as CoMob.

The mobile media artists who interest us are precisely those who are exploring how to create or move within these hybrid spaces of amplified (hypermediated) reality via new modes of open (yet critically attuned) engagement with embodied experience, with urban and natural landscapes, and with digitally-mediated public space. Southern, in her contribution to this issue, delineates six elements of “locative awareness” that includes a heightened sensitivity to being situated, embodied, relational, networked, experimental, and multiple. These embodied and networked engagements with hybrid experiences transform the familiar cityscape (or, in some cases, non-urban landscape) through an intensified awareness of the urban fabric, its multiple architectures, streetscapes, and social flux, as strangely mutable, perhaps disruptive or uncanny, even enchanting. Ecarttch’s “indeterminate places” are re-enchants the city by importing into it an experience of the natural:

This mobile app imports the rhetoric of wilderness into virtually any place accessible by Google Maps, creates hikes, and encourages its hiker-participants to treat the locales they encounter as spaces worthy of the attention accorded to sublime landscapes, such as canyons and gorges. Thus the ecological wonder usually associated with “natural” spaces, such as national parks, is re-appropriated here to renew awareness of the often-disregarded spaces in our culture that also need attention, such as alleyways, highways, and garbage dumps. This project extends ecological awareness into mobile spaces, into the places humans actually live, democratizing conversations about environmental sustainability and ecological management that too often occur only in a scientific context.

Contributor Martha Ladd also considers how mobile technologies “are grounded in place, creating responsive hybrid spaces in which the real, embodied, person-al experiences and stories of the artist and the audience may create a powerful, participatory opportunity.” Mobile art thus addresses crucial theoretical questions about how and where participatory politics takes place, when the relation between physical space, networked space, and the growing experience of hybrid space involves the physical and the digital as co-synchronous sites of engagement, conversation, and responsive communication.

By provoking questions about the possibilities and limits of the new borders between the physical and the virtual, the real and the imaginary, the tactile and the tactical – many mobile artworks reinvent a relationship to aesthetic digital objects, interrogate public presence and memory, and deploy new strategies for intervention. Teri Rueb’s soundwalking piece Elsewhere: Andersono is a site-specific sound installation across two sites. Visitors carry small GPS-equipped computers and wear headphones. Sounds play automatically in response to their movements in the landscape. As they move through layer upon layer of responsive sound, [she writes] “little elsewhere” are grafted onto the landscape in the form of variously local and foreign, synchronous and asynchronous “soundtracks.” Place is a verb. Place making and the meaning of place, “placeings,” unfold as a continuous dialogue between the physical and built environment and its inhabitants.

Landscape is a special kind of “placing.” Yet her interventions she argues, are also “displacements,” which introduce multiple sensory and perceptual layers into the temporalities and subjectivities of moving through a landscape.

Participants in soundwalks can experience an embodied engagement with place and, in some cases, a mediated performance of everyday actions that reorganize the experience of space and time. This type of work is situated in the embodied sensory experience of landscape, but also lends itself to collective sound-mapping and the production of new mixed-reality soundscapes and mobile acoustic ecologies. Ross Gibson notes that “The rhythms with which and within which a person can perceive; the time spans in which we sense our acuity, these time spans are becoming ever more elastic.” Mobile art becomes a way to perceive this elasticity of temporality, and reflect upon movement-space as we co-create it. And such elasticity of perception plays upon the “displacements” noted by Rueb and the “entanglements” alluded to by Southern, both of whom use GPS to subtly interfere with perceptions of place and awareness of various kinds of placement.

Locative media art has the capacity to bring together multiple rhythms of landscape that combine the live, temporal, and ephemeral aspects of a socially mapped place-ment. Picking up on Henri Lefebvre’s (2004) concept of rhythmically, geographer Tim Edensor argues that “rhythmanalysis elucidates how places possess no essence but are ceaselessly (re)constituted out of their connections...Places are thus continually (re)produced through the mobile flows which course through and around them, bringing together ephemeral, contingent and relatively stable arrangements of people, energy and matter.” Through a kinaesthetic sense of bodily motion we apprehend time and space, but through the interventions of mobile art we also inhabit it differently. Through sensory perception and physical mass, we orient ourselves toward the world, and create both place and displacement through the frictions and rhythms of our mediated movement. Movements have different rhythms, and those rhythms of movement flow through cities and landscapes, shaping their feel, sculpting their textures, and making places.

So it is the coming and going of all of these mobile assemblages and interweaving rhythms that mobile artists are exploring as they experiment with the new “movement-space,” a dynamic digitally-mediated spatial awareness mediating between bodies, architectures, and natures. Social theorists argue that there are ambivalent and contested “affordances” that “stem from the reciprocity between the environment and the organism, deriving from how people are kinaesthetically active within their world:” Motion and emotion “are ‘kinaesthetically intertwined and produced together through a conjuncture of bodies, technologies, and cultural practices.” The choreographies and choreographies of mobile art become a way of conjuring the affective experience of place and the effects of hypermediated locatability. Highlighting temporality becomes a way of re-thinking location, while the acute awareness of matching a physical location with a virtual object while using mobile locative media assists in a re-thinking of temporality and place. In some cases this new orientation is connected to a politics of place, location, and embodiment. Our final concern is to ask what the political implications are of some of the recent entanglements of mobility, location, and public art.
POLITICAL ART IN NETWORKED PUBLIC SPACE

Mobile artists are exploring how to create hybrid spaces of amplified reality as new modes of open engagement with embodied experience and public space. Ultimately such projects may transform place, politics, social research, and art itself, its modes of practice and forms of dissemination and engagement. Simon Sheikh in his essay “In the Place of the Public Sphere? Or the world in Fragments” refers to “counter-publics” that “entail a reversal of existing practices into other spaces and identities and practices.” While the notion of counter-publics has a long history, there is a shifting sense of publics today, and a shifting understanding of what is public, due to a blurring of public and private as one enfolds into the other. Like other critics of the Habermasian public sphere such as Iris Marion Young, Nancy Fraser, Lauren Berlant and Michael Warner, Sheikh goes on to call for this counter-public to be “relational, articulatory and communicatory.” As new hybrid spaces and networked places emerge from contemporary practice, they have the potential to transform modes of political engagement and participation in the public sphere and to generate transformative hybrid approaches to the natural-social-spatial-cultural matrix in which we move, dwell, and create the future. How does this new public become a platform for different and oppositional subjectivities, politics and economies, and thereby frame a new public art?

One crucial political intervention of mobile art concerns the ways in which it brings the virtual, the augmented, and the digital into conversation with the production of bodies, spaces, sensation and affect. Sarah Drury, in particular, explores in her essay the forms of “body spatiality” that emerge in mobile augmented reality artworks. She draws on Elizabeth Grosz’s work to describe the “zone of sensitivity” that occur between an individual body and the spaces it inhabits. Mobile AR works can intervene in such internalized body images by reconfiguring the spaces with which they interact. As geographer Peter Merriman notes, “writings on mobility and non-representational theory” have begun to trace “the more-than-representational, performative, expressive improvisations of bodies-in-movement-in-spaces” by describing “the production of complex entwined performativities, materialities, mobilities and affects of both human embodied subjects and the spaces/places/landscapes/environments which are inhabited, traversed, and perceived.” Mobile augmented reality opens up our perception and bodily experience of the spaces through which we move, allowing the materialities and performativities of buildings, streets, surfaces, and other non-human elements of space to evoke a new kind of body spatiality – which has political implications for individual and collective agency and capacities to mobilize.

Some mobile artworks raise personal and political questions about what constitutes a public space, or a public sphere, while others address the more dystopian elements of surveillance, inclusion/exclusion, and (dis)connection in the digital era. When the group Manifest AR uses site-specific augmented reality digital imaging as an interventionist public art to infiltrate highly regulated public spaces such as Tiananmen Square in China, or the US-Mexico border where immigrants are dying in the desert, or even the Museum of Modern Art in an illicit AR exhibit, it engages the overlaying quality of augmented reality to seed our political imagination with new possibilities. As they describe it:

The group sees this medium as a way of transforming public space and institutions by installing virtual objects, which respond to and overlay the configuration of located physical meaning. […] Whereas the public square was once the quintessential place to air grievances, display solidarity, express difference, celebrate similarity, remember, mourn, and reinforce shared values of right and wrong, it is no longer the only anchor for interactions in the public realm. That geography has been relocated to a novel terrain, one that encourages exploration of mobile location based public art. Moreover, public space is now truly open, as artworks can be placed anywhere in the world, without prior permission from government or private authorities – with profound implications for art in the public sphere and the discourse that surrounds it.

Other works present other kinds of opportunities to re-think, re-experience, and re-play an awareness of space, landscape and the city that spans the local and the global, the public and the intimate, calling into question the bases for such distinctions and their contemporary blurring. Artist Jenny Marketou, interviewed in this issue, uses “the city as a space and the electronic communication networks as platforms and creative tools for intervention and connection between exhibition space, public space and social interaction.” Notably her work engages with the phenomena of drone-like surveillance cameras floating above public space, closed circuit television, and the mixture of these low-resolution moving image technologies with globally networked computers and social media platforms; all of which are erected on participating viewers crossing through public spaces of the city. She is concerned with what the new architecture and protocols of wireless networks do in terms of public surveillance, data mapping, knowledge, information and communication, issues which have become central in the field of mobile media studies. Locatability has become increasingly commoditized (as something apps and big data companies trade in) and politicized (placed under sous-veillance or resisted by masking location); thus mobile locative art can remind us of what is at stake in being un/locatable.

Paula Levine’s The Wall - The World, which was displayed as part of L.A. Re:Play, allows viewers to transport the “security wall” that Israel built to control Palestinian territories on the West Bank, effecting an imaginary mobility through a transposed experience of the politics of place. Focusing on a small segment of the barrier, about a 15-mile area just east of Jerusalem extending between Abu Dis in the south and Qalandiya in the north, The Wall - The World lets the viewer envision this 15-mile segment of the West Bank wall transposed onto any city in the world in Google Earth. The wall appears on the left side of the screen in the West Bank, and on the right side of the screen, in the viewer’s city of choice. Using Google Earth’s navigation tools as a kind of imaginary mobility, viewers can explore the impact of the structure in both areas simultaneously. The Wall - The World is part of Shadows From Another Place, a series of work that maps the impact of distant events in local terms, on local ground. It produces an effect that Ricardo Dominguez of Electronic Disturbance Theater (EDT) calls “lobal,” in which the global is processed through and tamed within the local, in contrast to either the predominance of the global or even the “local,” in which the local is transformed by global networks.

The Transborder Immigrant Tool by EDT/b.a.n.g. lab (Ricardo Dominguez, Brett Slabbaum, Amy Sara Carroll, Micha Cárdenas, Elle Mehrmand), which was also presented in L.A. Re:Play, is a project designed to repurpose inexpensive mobile phones that have GPS antennas to become a compass and digital divining rod of sorts. Through the addition of software that the team designed, it can help to guide dehydrated migrants lost in the deserts of the US-Mexico border to water caches established by activists. It provides poetic nourishment as well, in the form of text messages conveying advice and inspiration. As an actual hand-held device, it serves as a practical and aesthetic intervention in the border, humanizing the harsh politics of the exclusionary international boundary; but it is also a disruption of the political space of the border and of the...
aesthetics of the border, generating intense debate and critical thought as much as material intervention. It is a clear example of the potential for critical design and its ability to make you think. As Fernanda Duarte has noted in her interpretation of the Transborder Immigrant Tool as a kind of tactical media, it “constitutes a model of micropolitics in practice because their subversive and critical poetics invents alternative lines of flight, and proposes temporary and nomadic constructions without making claims for a revolutionary transformation of reality or utopian designs.” In this issue, Electronic Disturbance Theater (EDT) have composed another kind of creative tactical intervention in what they name the “trans [ ] border.” They offer the original piece “Faust y Furioso” as a play that plays with genres, boundaries, borders and crossings. Their work is further contextualized by an interview with Ricardo Dominguez, conducted by L.A. Re:Play participant Leila Nadir.

We hope this set of sessions, art exhibition, and this special issue of LEA will begin to lay the groundwork for a more sophisticated critical evaluation of mobile art that is fully situated in its historical context, its contemporary practice and its future potential. By considering the practices of process-based, socially engaged, conceptual and performance art and their relationship to activism, design and mobile art, we are able to examine the conditions of how these projects may transform place, politics, and the realm of public art. Visualizing internal emotional processes and relating them to route or wayfaring; constructing narratives in a virtual and spatial locality that reveal attachments and connections; positioning oneself imaginatively and actually along a continuum of nature and technology; and exploring the ephemeral quality of technologically mediated art work all assume heightened resonance when they are located in place. Mobile locative media engages strategies that work against the assumptions and stabilities of site and location and are articulated through the interdisciplinary engagement of what has become a new entanglement of art with the social, technological, cartographic, and political implications of mobility.

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15. Adriana De Souza e Silva and Mimi Sheller, Mobility and

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16. Ross Gibson, “The Time Will Come When...” in Future Cin-

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17. In the 50th anniversary issue of Art Forum, which focused on new media art, influential art critic Claire Bishop asks: “Whatever happened to digital art?” While many artists use digital technology, how many really confront the question of what it means to think, see, and filter through the digital? How many thematize this, or reflect deeply on how we experience, and are altered by the digitization of our existence? I find it strange that I can count on one hand the works of art that do seem to undertake this task.” [Claire Bishop, “Digital Divide,” Artforum 51, no. 1 (2012): 436.]


19. Umberto Eco, The Open Work (Open opere), trans. Anna


20. Nate Thompson, “Tactical Urbanism 2,” Streets Plan


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Journal, March 2012, https://placesjournal.org/article/the-

interventionists-toolkit-project-map-occupy/ (accessed

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22. Teri Rueb’s Trace (1999) was one of the first geo-annotat-

ed mobile art projects, using GPS coordinates embedded

in the landscape to access a sound installation designed as

a memorial environment in Yoho National Park, British
Columbia. Her more recent project Elsewhere - Andersenso engages visitors in a kind of play with urban place and space. See her essay in this issue for further discussion.


26. “Rider Spoke” (2007) is a mobile game for urban cyclists, designed by the British collective, Blast Theory. The idea is to combine theater with cycling and mobile game play in a public urban environment. Cycling through the streets at night, equipped with a mobile attached to the handlebars, participants find a hiding place to record a short message in response to a question posed, and then search for the hiding places of other participants’ messages. “Rider Spoke” was created in October 2007 in London, and has been shown and played in Brighton, Athens, Budapest, Sydney, and Adelaide. Their ideas of immersive theater and interactive art were developed further in another hybrid mobile gaming project, “You Get Me” (2008), and later “I’d Hide You” (2012) launched at the FutureEverything Festival 2012 in Manchester. Participants logged in online to join a team of runners then search for the hiding places of other participants’ messages, as old media recirculate via new media into alternative networks.


28. Eric Gordon and Adriana de Souza e Silva, Net Locality; and Adriana De Souza e Silva and Mimi Sheller, Mobility and Locative Media.

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30. Mimi Sheller explores the idea of “mobile mediality” in the essay “Mobile Mediality: Locations, Dislocations, Augmentation,” in New Mobilities Regimes in Art and Social Sciences, ed. Suzanne Witzgall, Gerlind Vogl, and Sven Kesselring (Aldershot, England: Ashgate, 2010), 309-326, arguing that “Locative art and mobile gaming are two of the arenas in which such emergent remediations are being explored, as old media recirculate via new media into alternative networked spaces” and this is connected to “a hypermediation of streets, urban space, public and private places, and gaming practices” (p. 312). See also Mimi Sheller, “Mobile Art: Out of Your Pocket,” in The Routledge Companion to Mobile Media, ed. Gerard Goggin and Larissa Hjorth (London: Routledge, 2014), 197-205.


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34. Adriana De Souza e Silva, “From Cyber to Hybrid: Mobile Technologies as Interfaces of Hybrid Spaces,” Space and Culture 9, no. 3 (2006): 261-278.


47. Simon Sheikh, “In the Place of the Public Sphere? Or the World in Fragments.”


50. Adriana De Souza e Silva and Jordan Frith, Mobile Interfaces.

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52. As described by Ricardo Dominguez in an oral presentation during the L.A. Re.Ploy event at the Art Center College of Design, January 2012.
THE BODY IMAGE

Body Spatiality in Mobile Augmented Reality Projects

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ABSTRACT

This paper takes Elizabeth Grosz’s investigation of body spatiality as a point of departure for exploring several mobile augmented reality projects. Grosz looks at various psychoanalytic ideas of the body image as made up of an individual’s sensory, psychic and emotional experience, and inflected by social and cultural projections and events. According to such psychoanalytic concepts, the body image is a spatial field, a “zone of sensitivity,” that includes interior and exterior space, and that only loosely corresponds to the physical body. This paper parallels the zone of sensitivity with the mixed reality space of mobile augmented reality, looking specifically at this space as a visual intersection of media representation, kinesthetic experience and live image data. In mobile augmented reality works that engage body images or references, the body image takes shape in the zone of sensitivity where artist’s projections are collaged onto real place. These mixed reality works offer a way to describe the spectrum between experience and image, a play between the embodied presence of a viewer and an augmented reality work that traces the erasure of bodies in a particular place. This zone of sensitivity is also a critical space, where self-images mingle with sensations and brandings, and contradictory meanings overlap. The works discussed are What if… by Kerem Ozcan, Uncensored by Petek Kizilelma and x/y by Hana Iverson and Christopher Manzione. This paper aims to articulate issues of virtuality and embodiment that emerge in these mobile augmented reality works.

INTRODUCTION

In the above passage, Grosz discusses spatiality in regard to the formation of the body image. This corporeal spatiality takes into account the inexact relationship between the anatomical body and subjective body experience. In other words, the body image takes shape in a space, a gap, a variable field of possibilities, where sensations may be disproportionate or displaced from the physical sense organs themselves, as with referred pain, where a pain has a specific physical cause and location, but may be felt elsewhere in the body. Grosz refers to psychoanalytic concepts about the displacement of the body image, in the work of Freud (the “body ego”), Lacan (the “imaginary anatomy”) and Paul Schilder (the “body schema”), to explore the spatial nature of the subjective body image. Schilder terms the spatiality of sense

Just as there is a zone of sensitivity concerning the body’s openings and surfaces, so too there is a zone outside the body, occupying its surrounding space, which is incorporated into the body. Intrusion into this bodily space is considered as much a violation as penetration of the body itself. The size and form of this surrounding space of safety is individually, sexually, racially and culturally variable….

Spatiality, the space surrounding and within the subject’s body, is thus crucial for defining the limits and shape of the body image: the lived spatiality of endogenous sensations, the social space of interpersonal relations, and the “objective” or “scientific” space of cultural (including scientific and artistic) representations all play their role.

– Elizabeth Grosz, “Body Images: Neurophysiology and Corporeal Mappings,” in Volatile Bodies: Toward a Corporeal Feminism

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between the subject’s “zone of sensitivity” and the location’s embedded meanings. The mAR works expose the intersection of the viewer’s physical presence with the real site of past or potential violence – her own body is really there in that place, viewing images that situate the traumatic event there. Further, they work as a critical statement both revealing and intervening with the threatening dynamics of the place. The mAR viewer becomes a witness as invisible meanings are made visible and visceral, resonating with the exposure of her own body in that place. These invisible meanings are enacted as the play between virtual and physical meanings in the mAR image, visible only to those sharing this network of an alternative reality. This shared network of mAR viewers as witnesses to invisible meanings counters the isolating effect of erasure trauma.

The mobile device demonstrates the bi-directional dynamics of Grosz’s concept of corporeal spatiality, as a sensing device that brings cultural commentary on embodiment into the intimate space of the body, and at the same time extends the body’s reach by projecting images into a forbidden zone that may not be safe, but which is nevertheless protected by the intimate scope of the handheld device. In psychoanalytic terms, the phone works in these mAR projects to displace body images onto the landscape, as extensions and projections of the body – extending the body of the viewer and projecting the body images authored by mAR artists. The site is remediated in a very real way, drawing upon the spatiality of the viewer’s body and its intersection with the surrounding space to reintroduce an erased body to a conflicted landscape.

In considering these ideas, I am focusing on two recent curatorial projects of mobile Augmented Reality works that deal with ideas of erasure in a specific location. The first, “Mechanics of Place,” looks at cultural and political repression on a particular street in Istanbul. The second, “Torn Exteriors,” looks at gentrification and redevelopment in a neighborhood in Brooklyn, New York. In each case, I am focusing on works that use mobile augmented reality as a blended reality that places virtual body images in real locations as a means of questioning both the traumatic erasure of bodies in public space and a new corporeal spatiality that results from participation in such blended realities.

**Mechanics of Place**

I have collaborated with Hana Iverson and technologist Craig Kapp on the design of “Mechanics of Place,” an on-going international mobile augmented reality framework, where local artists in a particular city are invited to create works that are situated in a certain street, addressing themes that engage the character and conflicts of that city and location. “Mechanics of Place” was first produced on Bogazkesen Street in the Tophane neighborhood of Istanbul, Turkey in September 2011. We chose Bogazkesen Street on the advice of Turkish friends, who identified it as emblematic of the location’s dynamics ranging from the shifting economics and demographics of gentrification to past and current religious and ethnic conflicts among residents. We learned near the end of our stay in Istanbul that the translation of “Bogazkesen” is “cutthroat” – coincidental perhaps, but the street offered a palpable experience of extremes and contradictions. Our experience there was one of welcome and friendliness from local residents as they witnessed the installation of signage and the increase in smartphone-wielding visitors to the street. However the street had been the site of a violent attack during a gallery opening less than a year earlier, as local residents became angered by the open alcohol consumption and different standards of dress by those in attendance. For “Mechanics of Place,” Turkish and American artists created a series of works that became embedded in 20 locations at markers along the steep, winding, ancient street. I will focus on two projects that emerged from this experience to engage these ideas about body spatiality and erasure.

In What If…, an mAR work by Kerem Ozcan, a series of hypothesis neighborhood residents is proposed, each one the descendent of an ethnic minority that was “cleansed” from the neighborhood generations before. Each hypothetical resident is restored to the neighborhood, his or her fictitious presence acting as a placemaker for the violence that took place there, a witness to an absence. Framed as an image/text biography, each portrait of What If… is a collage on the front of a different house on Bogazkesen Street, suggesting a current resident who might have been born there, might have grown up there, might have come to public prominence while living there – had his ethnic group not been brutally driven from the neighborhood in an earlier era.

As a critical presence, each biography speaks to the embodiment, the bodily safety, the endangered presence of “different” others in the neighborhood. This critical status is internalized by the mAR viewer as part of her surrounding “space of safety,” as she can’t help but identify with this restored resident – a conditional presence in the neighborhood like herself. Her own body image, her own sense of placement and safety...
within the cultural context of the neighborhood, extends to the image of “Dr. Avakian,” and his presence as it becomes possible in the virtual/real space of the phone image. To the degree that the handheld phone extends the viewer’s body image, the mAR viewer is actively tapping into the surrounding spatiality as a “space of safety” that extends between the “safe” bodies of the mAR work and the internalized “space of safety” that comprises her own body image. The viewer and her body are safe from the erasure of a traumatic past – not so much because the threat no longer exists, but because the erased body has been reintroduced.

Petek Kızılelma’s piece for “Mechanics of Place,” Uncensored, projects graffiti onto the walls of Bogazkesen Street, bringing back into the public sphere 138 words that the Turkish government has banned from internet domain names. The words have been banned due to alleged sexual infinities in either English or Turkish, including coincidences resulting from translation between Turkish and English, such as “pic” (short for “picture”), which means “bastard” in Turkish and “get” because its past tense “got” means “butt” in Turkish. English words such as “escort,” “hot,” “nubile,” “girl,” “free,” “gay” and “teen” are among the banned words, while Turkish words for “gay” “naked,” “high school student,” “breath,” “animal,” “sister-in-law,” “skirt,” “passionate,” “blond,” “hot,” “overweight,” “confidential,” “adult” and the very word for “forbidden” are also banned. These words comprise a verbal image of the body irrationally and bluntly banned from the virtual sphere of the internet. Kızılelma’s piece restores this forbidden body to the public sphere of the streets as mAR graffiti, adopting the free speech genre of graffiti to defy the ban and place the deleted body back on the walls. As a genre, graffiti openly flaunts laws of propriety and propriety, to place messages in places where they have the greatest public exposure in the architectural environment. Kızılelma’s mAR graffiti pieces virtually place their banned-word images in obvious public locations, where they appropriately download images from the internet both to reveal and yet hide these words in public. The heavy-handed governmental banning of words that have the least reference to the body, and particularly to the female body, sexualizes any reference to female embodiment in the public arena. The operation of this word ban is to place the image of the “banned body” in the “surrounding space of safety,” i.e., in social space, where it becomes internalized in the “zone of sensitivity,” i.e., in the public/private spatiality of the body image. Kızılelma’s virtual mAR graffiti project reconstitutes this banned body of words in the “surrounding space of safety,” restoring the banned body to the public space without exposing the physical body of the viewer to potential reprisal.

**DéCOLLAGE: TORN EXTERIORS**

“Décollage: Torn Exteriors,” a mobile AR show that opened in April 2011, invited local artists to make mAR works focusing on the Williamsburg section of Brooklyn, NY, a former industrial hub that has recently become a high-priced “bedroom community” for Manhattanites. Hana Iverson and Chris Manzione’s project for the show, x/y, deals more ambiguously with the body placed in a conflicted landscape. x/y places itself in a neighborhood undergoing rapid gentrification, where the fabric of local communities and the ravages of an industrial past are both plowed under as developers cut into the neighborhood with disjunctive modern luxury architecture, amid the remains of working class streets and industrial buildings.

In Iverson and Manzione’s piece, body fragments are strewn on the sidewalk, or haunt the doorway of a warehouse, their skin fused with the surfaces of buildings and trees. These fragments are not the result of a violent encounter but moving, changing instances of embodiment. 3D snapshots of the body re-shaping and reappearing, taking whatever material is at hand as its substance. The bodies of x/y are not exactly witnesses to the co-optation of the neighborhood, but ongoing presences, virtual/physical assemblages of a body, shared parts, shared energies, recycled annexations of bodies, buildings, landscape. The mAR viewer comes upon these body fragments randomly, in roving locations. The pieces in “Décollage: Torn Exteriors” were built using Layar and GPS-based geo-tagging, rather than the marker-based framework used in “Mechanics of Place.” Mobile AR projects using GPS as a location method often have a degree of instability built into the location of the works, particularly in large, congested cities with dense signal traffic. Consequently, Iverson and Manzione’s body fragments move, appearing sometimes to hover against buildings, other times scattered among the trees in the park across the street. As body images, they suggest a diffuse spatiality where the figure emerges from the ground and suffuses back into the ground, comprised of the bricks and branches against which it takes shape. One of x/y’s fragments is a mix of a man’s upper torso and a close-up image of part of a woman’s face, a cinematic and sculptural collage drawing the viewer into an image space where real and virtual collapse into each other; both within the image fragments themselves and in the live camera view of the smartphone.

These body fragments are undoubtedly dislocated, nomadic, unmoored in this transitional neighborhood. They have indeed been displaced by the upheavals of development and gentrification taking place there. Their photorealistic 3-dimensional image quality, surfaced with images from the surrounding environment, suggests a chameleon-like character: an organism taking on the attributes of its surrounding environment. In Architecture from the Outside, Elizabeth Grosz introduces another idea about the psychic space of the body: insect spatiality. Referencing the work of French thinker Roger Callois and his study of mimicry in insects, Grosz writes, “Mimesis is particularly significant in outlining the ways in which the relations between an organism and its environment are blurred and confused, the way in which its environment is not...
an external feature of the insect’s life but is constitutive of its ‘identity.’” Grosz further explores Caillois’ observations that mimicry in the insect world is in fact not supportive of insect survival. Instead, insects that have blended into the environment are often mistakenly destroyed, making mimicry in the insect world “a dangerous luxury,” and inexplicable in terms of survival. Grosz points to Caillois’ insect study as revealing a kind of natural dysfunction or psychosis, in which the insect fails to be able to locate itself in space, so it locates itself instead according to a representation of space, “the way space is perceived by an insect and its predators.” Verson and Manzione’s fragmented figures take on the surfaces of their surroundings, not so much as a way to restore the erased/displaced body but as an expression of the play of the representation of space that is taking place in a rapidly gentrifying neighborhood, where the look and feel of spatial values are being synthesized, grafted, shrunken and inflated beyond any actual relationship to bodies and the inhabitation of space. Rather than proposing a direct critique of the changes taking place in the neighborhood, x/y engages the disturbing dynamics of representation at work there, where the body no longer can situate itself in space, literally, and therefore cannot “identify” itself. Instead, body fragments take on the look of the surroundings as a slippery imitation of identity. The mAR viewer tracks down the body fragments of x/y as an experience of engaging with the viewer’s embodied presence in a given physical location. mAR offers the possibility of connecting the viewer to real place, to “here,” through the medium, in contrast to being transported “elsewhere” by the media experience. If the body image is formed as a bi-directional process of projection and internal identification with external representations, then the spatiality of the viewer’s own body image in a given place becomes the context for virtual media images of the body, set on a continuum between virtual and physical bodies, and incorporating the amenities and dangers of surrounding cultural space. In light of this understanding of spatiality in the production of the body image, mAR offers a conceptual framework for an embodied interface between real and virtual space, between situated experience and cultural images of self, as the very “space of safety” where the body meets culture, mediating the processes of signification of that space.

CONCLUSION

Mobile Augmented Reality as a medium brings into play the individual’s subjective, embodied experience of media in public space, by using the viewer’s location and perspective to blend virtual images with real space and place. Essential to the experience is the viewer’s embodied presence in a given physical location. mAR offers the possibility of connecting the viewer to real place, to “here,” through the medium, in contrast to being transported “elsewhere” by the media experience. If the body image is formed as a bi-directional process of projection and internal identification with external representations, then the spatiality of the viewer’s own body image in a given place becomes the context for virtual media images of the body, set on a continuum between virtual and physical bodies, and incorporating the amenities and dangers of surrounding cultural space. In light of this understanding of spatiality in the production of the body image, mAR offers a conceptual framework for an embodied interface between real and virtual space, between situated experience and cultural images of self, as the very “space of safety” where the body meets culture, mediating the processes of signification of that space.

REFERENCES AND NOTES

2. Sigmund Freud, The Ego and the Id. The Complete Psychological Works of Sigmund Freud, vol. 19 (London: The Hogarth Press and the Institute of Psychoanalysis, 1923-1925). “The ego is ultimately derived from bodily sensations, chiefly from those springing from the surface of the body. It may thus be regarded as a mental projection of the surface of the body, besides, as we have seen above, representing the superficials of the mental apparatus.”
3. Jacques Lacan, “Some Reflections on the Ego,” International Journal of Psychoanalysis 34 (1953): 3-38. “To call these symptoms functional is but to confess our ignorance, for they follow a pattern of a certain imaginary Anatomy which has typical forms of its own. In other words, the extraordinary somatic compliance which is the outward sign of this imaginary anatomy is only shown within certain limits. I would emphasize that the imaginary anatomy referred to here varies with the ideas (clear or confused) about bodily functions which are prevalent in a given culture. It all happens as if the body-image had an autonomous existence of its own, and by autonomous I mean here independent of objective structure.”
4. Paul Schilder, The Image and Appearance of the Human Body: Studies in the Constructive Energies of the Psyche (New York: International Universities Press, 1978). “The image of the human body means the picture of our own body which we form in our mind, that is to say, the way in which the body appears to ourselves. There are sensations given to us. We see parts of the body-surface. We have tactile, thermal, pain impressions… Beyond that there is the immediate experience that there is a unity of the body… We call it a schema of our body or a bodily schema, or, following Head… the postural model of the body… There is a self-appearance of the body. It indicates, that, although it comes through the senses, it is not a mere perception. There are mental pictures and representations involved in it…”

5. Martin Riesen, “.empyre-. soft-skinned space,” http://www.subtle.net/empyre (accessed July 6, 2012). “I think we have to look at the new technologies of augmentation differently and try to understand what this collapse of the virtual into the ‘real’ might begin to mean.”
Current location technologies have become tools used by contemporary artists, theorists, designers and scientists to reformulate our understanding of social engagement within an enlarged concept of place. These new mobile networks have altered the way people exist in and relate to spaces where the real and virtual world blend, blurring the lines of traditional spatial definitions and frameworks. This special issue provides a variety of perspectives and practices on the meaning and interpretation of today’s locative media.