IDEAS09: Arts at the Digital Edge is an exhibition of artistic and innovative digital installations, interactive pieces, web sites, games, digital images, film and video and digital objects. The IDEAS gallery coincides with the seventh annual International Digital Media and Arts Association (IDMAA) conference, *At the Digital Edge: Digital* Innovations and Challenges, which was held on the campus of Ball State University in Muncie, IN.

Like the conference, IDEAS09 explores the "digital edge," however, the "edge" in the art gallery includes either how digital media is intersecting with other art disciplines or the unique forms of digital arts that are contained within its own aesthetic framework. The former is a literal edge, or boundary, while the latter represents the edge of innovation (novel content, applications, or techniques) within digital arts. The works celebrate crossing this line while uncovering challenges, whatever they may be.

IDEAS09 includes art and essays that confidently dance on the edge between art and other media, including digital prints combined with traditional processes, such as Janet Ballweg's *What Lies Beneath*, or acquired media, such as Lori Hepner's @*BarackObama, 7:10 PM Apr 30th from web (#1)*, where typed text from the web is used to drive LED lights that are captured on film. Also on display are innovative works that fall within the digital framework and incorporate the unique expression of contemporary ideas, such as Gail Rubini's *RiversProject: Delaware*, and philosophical approaches like I Ching in Jing Zhou's web edition of the *The Interactive "Book of Changes."* On display are new techniques including the high dynamic range (HDR) photography used in Andreas Baumgartner's *Place of Topophilia #1* and new uses of technology such as the biofeedback used in Tammy Brackett's (in)formation installation. Many other works address these themes directly while others are more indirect. Ultimately, the exhibit embodies the ever-changing artistic digital edge, which is defined by flux and driven by the rate of technological change.

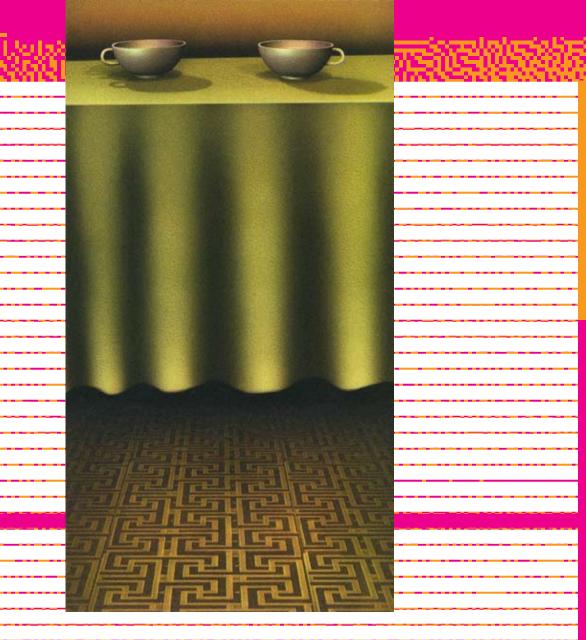






We interact with living creatures many ways in our daily lives. We observe the results of our interactions with livings creatures when we approach them and witness their defensive behaviors in response to motion or sound. The defensive movements made by creatures such as hedgehogs and potato bugs, when approached by humans or other animals, serve as the inspiration for interactive surfaces. There are numerous other examples of adaptive movement in nature, such as a flower opening its petals to absorb more light. The main design concept is that interactive objects can be conceived of

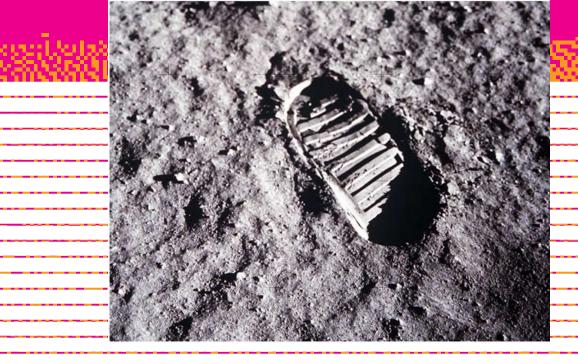
as an organic entity taking on difference shapes or functional forms to give off different amounts of light. For petals of light, this dynamic design metaphor provides a meaningful analogy in terms of reactive behaviors to environmental stimuli or to other creatures.



Janet Ballweg What Lies Beneath MEDIONI Medium: 4-color polymer plate intaglio DATE 2009

This series of prints explores ideas about waiting, wanting, hope, and despair. Intimately-scaled, these images speak about the intimacy of relationships - the expectations, unknowns, and psychological tensions that exist. Presented as domestic narratives, unspoken "conversations" unfold around personified teacups, teapots, and their lifelike shadows. Common household objects are seemingly loaded with tension and dark humor, making simple, mundane moments seem surreal. Without the presence of humans, the objects are stuck in a state of suspended motion - waiting for the next move and for an explanation of what is, was, or has yet to be.





images from travel experiences reflect upon our passage through time and space and

our interchange with the natural environment.

### Annette Barbier One Small Step Matthew Bambach Digital Video Sound and Motion 2009 Animation "That's one small step for [a] man, one giant leap for mankind." On July 20th, 1969, Neil Armstrong set "foot" on the Moon. It is in fact his boot print that is memorialized in the world famous photo. The implications are numerous and some are obvious -This is an abstract animation that moves in concert with the music. I recorded sounds our relationship with nature is mediated by our technology, our penchant for visiting from many different household objects that became the soundtrack for the animation. other places and leaving our mark amounts to an obsession, our desire to transcend After creating my song, I constructed the animation using 3D shapes with flat surface wrestles with our need for union and even oblivion. Sometimes our marks are intentional, and sometimes we're blissfully unaware of the marks we've left. These

shaders to give them a 2D appearance. Both the timing of my animation and the animation of the individual objects were synced to match the sound, thus creating an animation that dances to the soundscape.



create the art. These are media collections of one's moments of curiosities or wonders based on a theme. The themes are of your choosing or you can add to an existing theme, if there is "space" in the cabinet. In the "net Cabinet of Wonder" you add text, images and video/audio to any one of 16 "shelves" in the virtual cabinet by clicking on an empty shelf. To view the added media, click on one of "filled shelves" (with icons) in the cabinet.

6

of which are aban ed farmhouses in the Midwest. As we encounter manifestations of a space, it affects our behavior and our understanding of both, our environment and ourselves. The spaces in which we live begin to consume us, affect us, and help define who we really are. Though these places have a sense of timelessness, I find chaos and unsettlement in the creaks and cracks.

	Celestial Clock
	Real Time Animation
Tammy Brackett	
	2009
(in)formation	
	The Celestial Clock is a prototype and the first of its kind. It is a full, 24-hour, high
Installation - video+sound	definition animation produced using 3D animation software and a render farm. The
	work uses the orbital patterns of celestial bodies to create a functional timepiece.
2005 - present	Each part of the clock changes throughout the day as time progresses. Almost
	imperceptibly, pieces morph from transparent to solid and light moves across its
(In)formation is an installation that collects visitor's biofeedback and then visualizes and	and the second state of the second surfacecreating a unique visual experience. On startup, the animation synchronizes
sonifys that information via a complex system. Large video projections of biofeedback 👫	with the computer's clock to ensure the experience is the same day by day. Possibly
information and real time video of the installation space are projected and repetitively	the world's longest animation, (and/or most frames in a movie file) it contains 518,400
re- scanned by cameras in the space. An audio signal, created by voltage-controlled	frames, much more than a modern day animation film. It took three months to render

Anson Call

and one year to create.

9 second s

re- scanned by cameras in the space. An audio signal, created by voltage-controlled oscillators in an analog biofeedback computer, is created for each channel of video.





Russell Chartier
Paul Botelho
CONFINED 10-01-2
Video Art

10

In this piece Russell J. Chartier explores the sense of confinement that many people feel living in large cities despite the many people around them. The piece, created using manipulated footage shot throughout NYC, consists of textures comprised of feedback loops uplinked to satellites then downlinked back to Earth. These "feedback loops" were manipulated with various pieces of broadcast equipment through the looping process and were then further manipulated in the post production process. The textures and manipulated footage were then woven together to create this work. The musical component of this work was created through the use of a granular sampling algorithm developed by the composer, Paul J. Botelho The algorithm, written in the ChucK programming language, randomly chooses small fragments (grains) from an input sound, shapes their attack and decay, and then creates textures of user-specified density constructed of the sound fragments. The algorithmically-generated textures were then manipulated and layered to create this work. The piece was created through synchronicity—the composer Botelho and video artist Chartier had no knowledge of each other's component and worked only with an agreed upon duration during the creation of their individual pieces. Only upon the completion of both the video and audio components were two components combined to create "Confined 10-01-2".

Michelle Citron	
Leftovers	
Interactive narrative played on desktop computer.	
2009	
STATEMENT	
Norma and Virginia lived together in Chicago for forty-five years. They died one after	
the other alone in their home, the vibrant lesbian community of their youth long gone;	
their tiny Chicago bungalow stuffed with objects – matchbook covers of bars where	
they'd danced, paint-by-numbers left half finished, bowling shirts Norma wore, and	
over two thousand snapshots of lesbian life spanning four decades. Leftovers, an	
interactive narrative, uses their snapshots and objects to explore the unforeseen	11

trajectory of a life lived at the margins. It examines the complex relationship between objects, memory, and experience: How do objects mean at the psychological, social, and historical level? How do we use objects, especially home images, to construct identity? How does this meaning change over time, even after our death? At the same time Leftovers reinvents the way we tell stories.

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# Emily Denlinger

Digital Imaging

"24 December I have now examined my desk more closely and have seen that nothing good can be done with it. There is so much lying about, it forms a disorder without proportion and without that compatibility of disordered things which otherwise makes every disorder bearable." from Franz Kafka's diaries

# 2008 STATEMENT

Emily Denlinger's work explores the human condition. Drawing on a wide range of artistic influences including Romare Bearden, Samuel Beckett, and Laurie Simmons; she constructs collage characters and dioramas, which are subsequently photographed. Her work question issues of identity, gender roles, survival, and codependency on others. In order to help viewers better understand the vernacular of her world, Denlinger contextualizes images inspired by her personal life next to her interpretation of passages in popular literature and political events.

	Benjamin Dunkle	
	Icons	
	Digital Image and Drypoint/Monoprint	
	2009	
	STATEMENT	
	For each intaglio print in this grid, a words/concept will be represented by an icon.	
<b>9000</b>	The icons represent typical- computer/technology oriented words/concepts such as	N 2 2 4

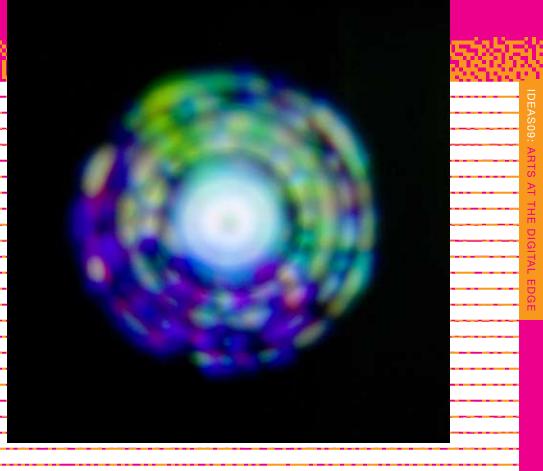
For each intaglio print in this grid, a words/concept will be represented by an icon. The icons represent typical- computer/technology oriented words/concepts such as PRINT, NEWS, and USERS. The computer icons displayed next to the prints are on LCD frames, each the same dimensions as the framed prints, in a similar grid, next to/opposite the intaglio prints. The computer icons represent more abstract, ethereal words/concepts such as WATER, CLOUD, WAR, and LANDSCAPE.







20



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٠.		
۰.		@BarackOb
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		Digital print
- C.	indsay Grace	
		2009
	Vait: Critical Gameplay	 STATLIVI
		 Status Sym
20 C	ame	age. Textua
- C		to be create
	008	 by the socia
51		from physic
	Vait is a game where the player is encouraged to refrain from acting on the world. As	words into

# Obama, 7:10 PM Apr 30th from web (#1) nts, magnets mbols is a series of virtual portraits that are studies of identity in a digital al updates on sites such as Twitter and Facebook allow for virtual personas ated with prodding of, "What are you doing?" or "What's on your mind?" cial networks. Status Symbols showcase the identity created that differs

Wait is a game where the player is encouraged to refrain from acting on the world. As the player moves the world disappears, but when the player waits, the world becomes more rich. Players are awarded points when the little things in life reveal themselves. It is designed to work against the normal type of push interaction many games promote.

sical looks. Abstract portraits are created with spinning LEDs that translate to flashing bursts of light. Custom created hardware and software are used to words transform the typed text into the ons and offs of binary code that is at the base level of digital communication. Each portrait represents a fleeting moment in the digital world as captured on film.





relish in absurd connections to space, as in the traditions of stage presentation.

		Jonathan Hounshell	
		Dioramatran No.1: Mistaken Medicine, Chimborazo, Ecuador	
		Pedastal-top Digital Time Based/Sculpture/Painting	
		2009	
			·
		I see image-making as a collection process—a preservation of memories—a notation	·
Aaron Higgins		of the circling ambits of people separated by oceans and borders.	
		In my travels to countries around the world, I have faced many moments that have	
In His Memory (Starman)		either defined me or have shaken me. This artwork is about one moment that did both.	
		In a land above the clouds, among a people with an ancient language, two ambits went	i — — —
		askew and collided—ambits that differed in age, origin and epoch—creating a ripple of	
interactive desktop		confusion and worry.	
		In order to embody this particular memory, I've created a construction in a format that	
2008		arose from the challenges of how motion graphics, photography, and traditional paint	
		differ in both substance and presentation. I call each of these presentation pieces a	23
"In His Memory (Starman)" is an interactive Flash piece dedicated to Zalmen Rosen,		"Dioramtran" derived from the terms "Diorama" and "Duratrans."	23
my maternal grandfather. This piece is my way of communing with Zalmen who I have	0.0000000000000000000000000000000000000		
nicknamed Starman. It is a continuation of previous work where I think of technology		As with most of my current artwork, imagery is presented in a way that celebrates the	
and cyberspace as a means of creating a realm in which he can embody a sort of		flatness of the photograph, of paper and of paint. Even here in motion, the images and	
nhysical form		the backgrounds don't ask us to accept the full illusion of depth. Instead, the images	

# ages set al side

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# Democratization of Typography

Digital image

Beth E. Koch

"Democratization of Typography" explores loss of identity experienced by the author (and other designers) whose training pre-dated computers. It depicts the struggle of digital typography to retain its roots in expert knowledge of form, honed type handling skills, and precision craftsmanship.

1.11

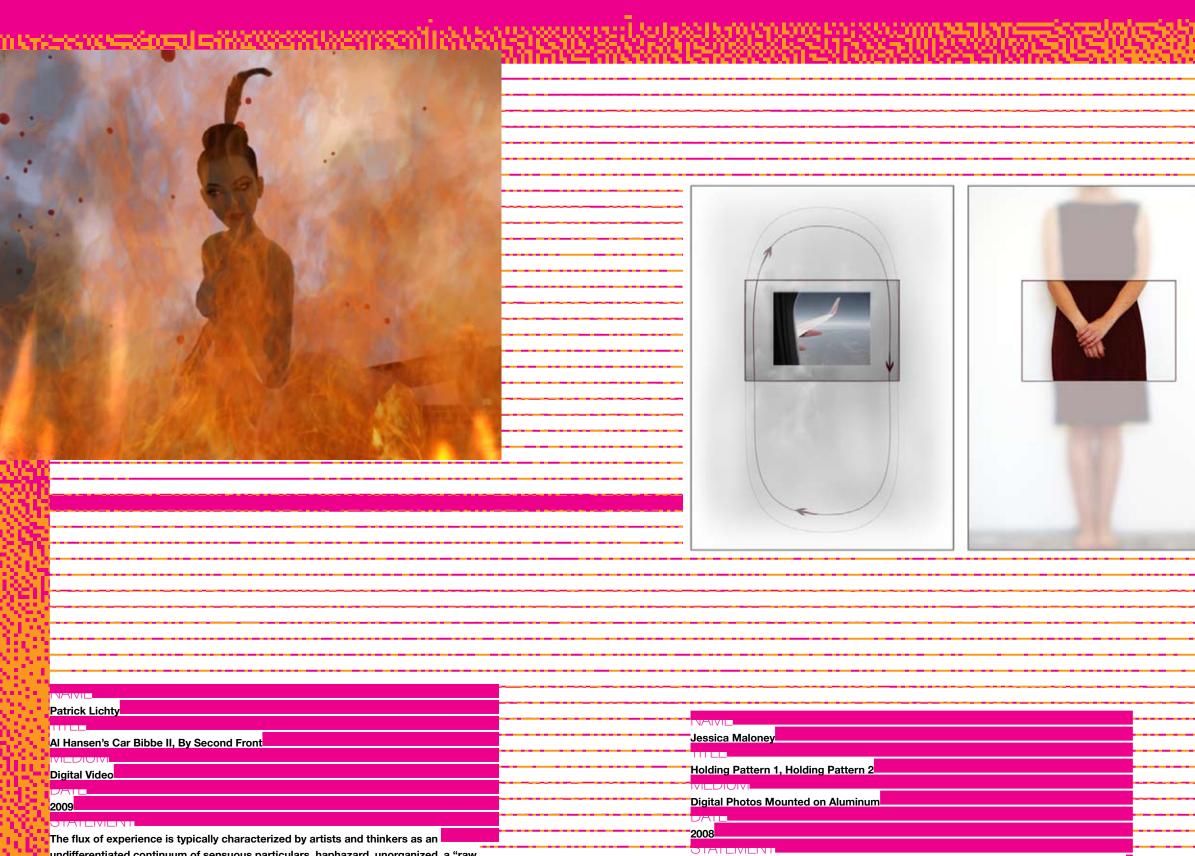


# Susan Koper Prevailing Hope MILDIOIM

2009

"Prevailing Hope" is a modern dance piece that was choreographed for the spring 2009 dance concert, Dance Revelations, at Ball State University. The theme of the concert was the inclusion of digital media with art in a dance concert. To accomplish this, the Department of Theatre and Dance collaborated with the Digital Corps in the Center for Media Design at Ball State. Choreographers worked with Jonathan Huer and students from the Digital Corps to include projections and other forms of digital media in their pieces. "Prevailing Hope" is a piece based on the novel Cry the Beloved Country by Alan Paton. A passage from the novel is projected digitally behind the dancers and certain words are highlighted throughout the dance. While based on the passage, this piece attempts to portray the beauty as well as the tragedy of human life. It is a dance of love, hope, fear, passion, endurance, pain and strength. The nine performers are all dance majors in the Department of Theatre and Dance at Ball State. They are members of the student dance company, Ball State Dance Theatre. Students are selected by audition each semester for the company and perform in two concerts each year.

25



undifferentiated continuum of sensuous particulars, haphazard, unorganized, a "raw stuff" to be ordered and structured by our sense organs and the cognitive structures of the mind. This video work of visual flux seeks to counter the traditional notion of flux. It is based on a phenomenological investigation in which flux is explored, not as a random sequence of unstructured percepts, but rather as a concatenation of rhythms. This work is composed of very brief fragments of overlapping visual pulses- each pulse being a momentary articulation of the body.

26

This work explores aviation holding pattern as a metaphor for psychological holdings patterns. When a plane arrives at its destination but cannot land they are made to fly in a predefined racetrack pattern while they wait. This waiting to land or suspension between major actions can easily be applied to mental states as well. When a decision is being made or when we are in between major life events we are in an incubation period. This space in between is what I am trying to visually represent in this series.





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# James Miles Random Digital HDR photo 2009

28

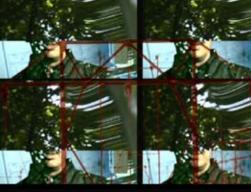
OTATEIVIEN High dynamic range imagery explodes the myth of the pure photoreal. It's a kind of bionic supravision, if you will, allowing the machinery of the camera and imaging software to cobble together various exposures into something the naked eye cannot otherwise perceive all at once. Here I've used HDR to peer with something beyond human vision into this scene near Meteor Crater in the 103 degree heat of Arizona. In one still image, we get full detail in the shadows and subtlety in the highlights, despite the glare of noonday sun. On the content plane, the bullet holes and graffiti call to me from someplace my mind doesn't normally go, and the message is, "Beware."

_	Tom Muir	
	Ingress-Egress	
	Digital Image of an digitally rendered object	
	2008	
	STATEIVIENT	
-	"Ingress-Egress" explores the interpretation, history, and cultural meaning of teapots	
	and tea strainers. This vessel demonstrates the unique aesthetic perspective	
	developed in my work, a perspective that combines interests in the craft history,	
	engineering, and ornamentation of household implements. This work reflects a	
	ripening process in thematic references such as steeping, and other time-dependent	
	natural processes. My aesthetic exploration within such diverse formats and media	
	as digital rendering, drawing, metalsmithing and other craft media gives my work as a	
	whole greater depth, because the components of individual works are counterplotted	29
	against one another in an exchange of forms, feelings, and ideas. The question	e e se
	addressed by all my vessels is: what is the meaning of containment? Answers vary,	
	depending on whether the viewer thinks about water and its symbolism, tea and its	
	meanings, or more abstract notions of human craft in dialogue with the natural world.	











31

change is not a catastrophic one-time change but rather a nearly unimaginable series of barely noticeable changes in very tiny increments. I am in the process of documenting the regular but odd changes in my world. The weather, the plants, the water, the snow. All of the things that would happen even if the world was not changing, but are at the same time, indicative of the changes that the planet is experiencing.

30

### A systems approach to shared identity. Kurt Weibers, the artist's virtual identity speaks with authority and persuasion to the viewer; his mysterious anima mirrors him, along with his ego-oriented electrical engineering self. Concept of "identity systems" is presented.



# LUIAS HOPINGS TO WILLAS HOPINGS TO WE ANING OF THOSE LETTERS



5	Yana (Ioanna) Sakellion
b	My Father's Letters
ł	
	Digital Video/Animation
i	
l	2007

### STATEMEN

34

This piece is based on personal narrative and expresses my early fascination with handwritten letterforms and textile qualities of handwriting. I am employing digital video and animation to convey my childhood associations between the object and the meaning, while experimenting with kinetic typography. Creative writing is a part of my practice and is often incorporated into my digital-based pieces.

Yana (loanna) Sakellion	
Tana (Ioanna) Sakellion	
	35
	1969-1960 U.

This autobiographical narrative brings together the creative writing and digital video in a film that questions childhood memories. Why does one choose to wear cloth without color? What does a child do with a life that has been trusted to her? This humorous and disturbing film may just have the answers.



of our digital-age culture.

		S.
	X	100
200		











## Jacob Tonski I'm taller than most of the people I know. Interactive Installation DATE 2008 STATEVIEN We celebrate diversity, and differences are sources of richness in our relationships.

removing them.

38

E	we celebrate diversity, and differences are sources of fictimess in our relationships.
ĉ	At the same time they are the roots of division and power, invisibly shaping the
	micropolitics of our every interaction.
ć	I'm taller than most of the people I know adjusts the height of the floor so that two or
ļ	three individuals stand at the same height, gazing eye to eye. It's a subtle but profound

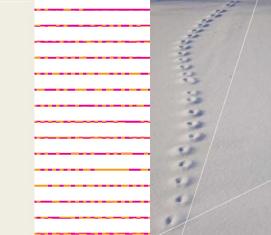
three individuals stand at the same height, gazing eye to eye. It's a subtle but profound
and intimate shift, much like sitting together at a table.
Height in this case serves as a metaphor for all of our personal differences, hoping to
foreground their ever-present and overlooked impact by momentarily, and synthetically,

Anna Ursyn	
	<u> </u>
Parkour	
Digital image	39
2008	and the second

### OTA

The city becomes a stage for a parkour artist, with both its horizontal stretches and upright heights.

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JACK

(singing softly)

Come Josephine in my flying machine...

Rose cleses her eyes, feeling herself floating weightless far above the sea. She smiles dreamily, then leans back, gently pressing her back against his chest. He pushes forward slightly against her.

Slowly he raises his hands, arms outstretched, and they meet hers... fingertips gently touching. Then their fingers intertwine. Moving slowly, their fingers caress through and around each other like the bodies of two lovers.

Nic Wiesinger		
	Kim Young	
Screenless Movies: Titanic, Shawshank Redemption, E.T. The Extra-Terrestial		
	Signs: 2	
Digital Video		
	Digital image	41
2009		······
	<b>2</b>	
Sereenless Movies supplets the visual experience of popular movie seence by		

Screenless Movies supplants the visual experience of popular movie scenes by replacing the iconic movie image with the script narration, thus creating a secondary experience that is based on both memory and imagination.

40

### STATEMENT

These images taken from nature explore the very human tendency to draw profound meaning from the simplest objects and occurrences.





43

Jessi Zabarsky

### 

This work is part of an exploration of themes dealing with the ideas of a traditional fairy tale or religious quest, a heroic or savior character, and what might occur if a person who could not live up to such ideals was placed in such a position. The work also explores how digital resources can be used very minimally, mostly as a collage tool, in order to create a tactile, yet still unreal feeling, world.

Jing Zhou	
The Interactive "Book of Changes" - "I Ching" (web edition)	
Web site and Internet art	
2007	
STATEMENT	
The "Book of Changes" translates this ordered universe into a system of parallel	
symbols, sixty-four hexagrams, which express the various human situations. From	
the Chinese perspective, all phenomenal existence is conditioned by two polarities	
in contrast-Yin and Yang, which represent the dynamic of change, an organic order 🔼	
 corresponding to human nature. To represent this ancient Chinese cosmic conception	
in a digital interactive art form is rejuvenating the old culture, as well as transforming	
and enriching the future one.	

