



ISEA2012
ALBUQUERQUE:
MACHINE
WILDERNESS

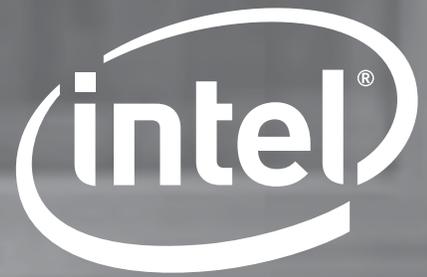
September 19 – 24, 2012
Albuquerque, New Mexico, USA



CONFERENCE PROGRAM

www.isea2012.org

Transforming Education for a World of Opportunity



Intel is proud to be a
sponsor of ISEA2012.

Intel works with educators and communities to develop and deliver programs that ensure the same spirit of innovation we put into our technology. Our support of art, science and technology-related competitions is a crucial part of Intel's education commitment, aimed at strengthening problem-solving skills and promoting STEM careers.

It's not just what we make, but what we make possible.
Learn More at: www.intel.com/education



Letter from Albuquerque Mayor Richard J. Berry



It is with great pleasure that I welcome you to Albuquerque, New Mexico. It is exciting that Albuquerque has joined a group of major urban centers around the globe that have hosted the prestigious ISEA Symposium. And the timing of ISEA2012 couldn't be better. This year, we are celebrating New Mexico's Centennial and are commemorating 100 years of statehood

in a variety of ways. I invite ISEA2012 attendees from around the country and the world to explore and enjoy the unique richness that Albuquerque and New Mexico offer.

Albuquerque's history has been shaped by its role as a place where heritage, culture, science and technology intersect. I am proud to say that now our city is earning a reputation as a growing center for artistic, scientific and technological innovation and a gateway to exploring New Mexico's creative and technological horizons. Albuquerque is also known as a place where environmental sustainability is acutely important. ISEA2012's focus on sustainability is an inspiration as we envision our future in the desert.

Hosting ISEA2012 would not be possible without the hard work from the staff at the nonprofit, 516 ARTS, and its lead partners, the University of New Mexico and the Albuquerque Museum of Art & History. I'd like to thank them for making ISEA2012 possible and for highlighting Albuquerque as a part of the global community that is exploring the cutting-edge intersection of art, science and technology.

Richard J. Berry
Mayor, City of Albuquerque

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ISEA2012 is organized and produced by 516 ARTS, a nonprofit arts and education organization, in partnership with The Albuquerque Museum of Art & History and The University of New Mexico.

516 ARTS
516 Central Avenue SW, Albuquerque, NM, USA
tel. 505-242-1445 • www.516arts.org

GENERAL INFORMATION

Registration

Our registration staff will be on-site to answer any questions you may have throughout the conference. The registration desk is located at The Albuquerque Museum, September 19 – 21, at the National Hispanic Cultural Center, September 22 and at 516 ARTS, September 23 and 24.

Hours for Registration

Wednesday, September 19 – Sunday, September 23:

8:00am – 5:00pm

Monday, September 24: 8:00am – 2:00pm

ISEA2012 Ambassadors

Designated ISEA2012 Ambassadors will be at each conference location to help provide direction, answer questions and provide assistance any way they can. Look for an Ambassador in an orange shirt.

Name Tags & Badges

Please wear your nametag at all times. This is proof that you have paid registration and are eligible to attend the sessions, ride the bus and access the museums. There is a \$5 charge to reprint lost badges.

Receipts

If you need a receipt for your registration, you can easily print a receipt by going to the online registration site, entering your email address and following the directions.

Lost & Found

Any items found during the conference will be taken to the registration desk, please note locations. After the conference, call the 516 ARTS directly at 505-242-1445.

Smoking

Smoking is not permitted in any public space in Albuquerque, including museums, hotels, restaurants, lobby bars and all restrooms. New Mexico state law also prohibits smoking within a “reasonable distance” of doorways. Please refer to posted signs for restrictions.

Albuquerque Transportation

Buses have been reserved for ISEA2012 attendees only to travel between the museum campus and downtown Albuquerque. You must wear your ISEA2012 badge to get on the reserved buses. Albuquerque does offer public transportation as well, and there is also the D-Ride, a free bus that loops around downtown. There is a D-Ride stop right in front of the Convention Center. The shuttle runs from 6:30am-6:00pm, Monday thru Friday.

Albuquerque City Bus Routes:

www.cabq.gov/transit/bus-routes-and-schedules

24-hour taxi service: 505-883-4888



ISEA2012 Bus Schedule

Wednesday, September 19

Pick Up/Drop Off at 7th Street & Copper Avenue (Downtown) and The Albuquerque Museum (Old Town).

Buses run 8-10am; 12-1pm; 4-8pm; and 10-11pm.

Thursday, September 20

Pick Up/Drop Off at 7th Street & Copper Avenue (Downtown) and The Albuquerque Museum (Old Town).

Buses run 8-10am; 12-1pm; and 4-9pm.

Friday, September 21

Pick Up/Drop Off at 7th Street & Copper Avenue (Downtown) and The Albuquerque Museum (Old Town).

Buses run 8-10am; 12-1pm; and 4-6pm.

Pick Up to the Balloon Museum for the ISEA2012 Gala begins at 6pm from The Albuquerque Museum and is available for return to Downtown and Old Town until 11pm.

Saturday, September 22

Pick Up at 7th Street & Copper Avenue (Downtown) and The Albuquerque Museum (Old Town) / Drop Off at the National Hispanic Cultural Center.

Buses run 8-10am; 12-1pm; 4-8pm; and 10pm-12am.

Sunday, September 23

Pick Up at The Albuquerque Museum (Old Town) / Drop Off at 7th Street & Copper Avenue (Downtown).

Buses run 8-10am; 12-1pm; 4-9:30pm; and 10:30-1:30am.

Monday, September 24

Pick Up at The Albuquerque Museum (Old Town) / Drop Off at 7th Street & Copper Avenue (Downtown).

Buses run 8-10am and 12-3:30pm.

Santa Fe & Taos Transportation

Tuesday, September 25: Santa Fe Day

Ride the Railrunner train from Downtown Albuquerque to Santa Fe at the end of the day on Monday, September 24 to kick off Santa Fe activities for ISEA2012 starting with a special reception and tour at SITE Santa Fe that evening. Railrunner trains depart at 4:26pm, 5:34pm and 6:48pm. For the full schedule, visit nmrailrunner.com. For transportation between ISEA2012 venues and events in Santa Fe, get a shuttle ticket for the day for \$25 at www.isea2012.org. This includes the shuttle Monday evening, September 24 and all day on Tuesday, September 25.

Thursday, September 27: Taos Day

Ride the Taos Express bus from Santa Fe to Taos on Wednesday, September 26 at 3pm. Tickets can be purchased at

www.isea2012.org (click register). One-way or roundtrip tickets between Santa Fe and Taos are available for purchase and there is a 28 passenger limit.

Food Trucks

Wednesday – Friday, September 19, 20 & 21

Trucks located on 18th Street and Mountain Road between the Natural History Museum and Explora Museum.

Saturday, September 22

Trucks located on 4th Street across from the National Hispanic Cultural Center.

Sunday & Monday, September 23 & 24

Trucks located between 4th and 6th Streets and on Central Avenue during the Downtown Block Party.



Quetzacoatl

Alison's New Mexican

Homemade New Mexican favorites. Menu items include breakfast burritos, tacos, tortilla burgers and Asada chicken.

The Chopping Block

Healthy sandwiches, soups and appetizers. Menu items include Asian fusion shredded beef slider, veggie slider, beef/chicken/ fish tacos and green chile cheese burgers.

Quetzacoatl

A work of art serving Nuevo Mexicano food. Look for sopes and nopalitos.

Oz Patisserie Mobile Dessert Truck

Fine European and American classic desserts at affordable prices. Menu items include breakfast pastries, brownies, cakes and assorted treats.

Roxy's Bistro on Wheels

A New Mexico mobile kitchen serving paninis, soups, salads and comfort food. Menu items include organic buffalo burgers, falafel, spicy Asian chicken salad, beer brats and sliders.

The Supper Truck

Creative Southern fare. Menu items may include shrimp 'n' grits, Carolina pulled pork, fried chicken and cornmeal crusted catfish salad.

ISEA2012 Conference App

The ISEA2012 Conference App is available as a free download at the iTunes App Store (compatible with iPhones and iPads) or Google Play. Access the Machine Wilderness Facebook page, the conference calendar, maps of the area with GPS function and Live Album function to share your photos and more during the conference.

Resource Station

Outside the entrance to the North Gallery of The Albuquerque Museum of Art & History, check out the informational iPads and computers, which include The Viralnet.net Virtual Forum on Radical Cosmologies (is at www.viralnet.net). Also go behind the scenes and glimpse into the creative process of featured artists by exploring the ISEA2012 STEMArts Curriculum Tool at www.stemarts.com/isea2012/curriculum.

Health Tip

Albuquerque sits a mile high above sea level. Our air is thin and dry. To compensate for the dryness, plan to drink plenty of water. Keep a bottle of water by your bed at night and keep hydrated all day long.

Medical Emergencies

In case of emergency, dial 911 immediately on any pay phone, or pick up the closest courtesy phone and state your emergency.

Closest Hospital:

Presbyterian Hospital
1100 Central Avenue SE, (505) 841-1234

Closest Pharmacies:

Duran's Central Pharmacy
1815 Central Avenue, NW, 505-247-4141

Walgreens
2105 Central Avenue, NW (Central & Rio Grande Boulevard)
505-242-2713

Closest 24-hour Pharmacy:

Walgreens
3400 Coors Boulevard, NW (Coors & Sequoia), 505-836-4111

Photography & Recording Policy

Non-flash photography and videotaping during conference sessions and the main exhibition are permitted for personal use.

SPECIAL EVENTS

Events are free unless otherwise noted.

Opening Ceremonies

Wednesday, September 19, 7:00 – 8:00pm

The Albuquerque Museum of Art & History
Amphitheater & Lobby

Celebrate the opening day of the ISEA2012 conference with welcoming comments from organizers and dignitaries, introductions from ISEA2012 theme and focus area leaders, poetry by Hakim Bellamy, Albuquerque's Poet Laureate and Latin American music by Chuy Martínez and Oti Ruiz. Emcee'd by Arturo Sandoval. A short reception in the lobby follows, generously catered by Slate Street Café, cash bar.



Salsa Dance Party: Son Como Son

Wednesday, September 19, 8:30pm – 10:00pm

The Albuquerque Museum of Art & History Amphitheater

The Outpost Performance Space presents a salsa dance party directly following the ISEA2012 Opening Ceremonies, featuring Albuquerque's #1 Salsa band, Son Como Son. Led by renowned trombonist, vocalist, composer, arranger and percussionist, Cesar Bauvallet, the 9-piece Son Como Son has been playing original salsa, Cuban style, since 1993. They've performed throughout New Mexico as well as at the Telluride Jazz Festival and beyond. It's a party! Don't miss it!

TICKETS: \$10 for registrants & the general public at the door or in advance from 505-268-0044 or www.outpostspace.org



Old Town & Downtown Main Openings

Thursday, September 20, 5:00 – 8:00pm

The main ISEA2012 exhibition features over 100 artists from 16 countries. It is based at The Albuquerque Museum of Art & History and 516 ARTS, with five satellite venues (see page 49).

Old Town: 5:00pm – 7:00pm

The Albuquerque Museum of Art & History
New Mexico Museum of Natural History & Science

Downtown: 6:00pm – 8:00pm

516 ARTS, Richard Levy Gallery & Alvarado Urban Farm
Plus KiMo Theatre Gallery

Meeting Minds Tech Lounge

Wednesday – Friday, Sept. 19-21, 12:00pm – 6:00pm

Welcome Reception: Wednesday, Sept. 19, 5:30pm – 7:00pm

Hotel Albuquerque: Potters Room



The Meeting Minds Tech Lounge is the perfect place to take a break and enjoy networking with other ISEA2012 participants. Exhibitors—including Intel Corporation, the Center for Integrated Nanotechnology at Sandia National Laboratory, Ideum and RhinoCorps—offer displays and demos highlighting tech innovations, including Rhino's Simajin. Also look for Intellect Books and their wide variety of items for sale.

Late-Night Lounges

September 20, 21 & 22, 10:00pm – 2:00am

Hotel Andaluz: Club Ibiza & Rooftop Lounge

Hotel Albuquerque: Q Bar

The Bio-ethics of Beer (BeB), by The UNM Social Media Workgroup with Gabriel Melcher and Sarah Lewison, is a social game-based experience designed for the ISEA2012 Late Night Lounges and other bars and clubs during the symposium. Participants follow an unfolding narrative sent via cell phone while earning points towards local beer and other beverages. www.ecobrew.org

ISEA2012 Gala

Friday, September 21, 6:30pm – 10:00pm

Anderson-Abruzzo Albuquerque International Balloon Museum



The ISEA2012 Gala features performances, a balloon glow, live music by **Le Chat Lunatique**, food and festivities. Performances include **Myth and Infrastructure** by Miwa Matreyek, using projection animation to create a fantastical world (8pm & 9pm); **Tweets in Space** by Scott Kildall and Nathaniel Stern, an interactive piece in which Twitter messages are sent by participants worldwide to an exoplanet 20 light years away (8:30pm); a found footage projection happening by **Basement Films**; and the **Roustabout Arts Collective**, a group of circus performers. Opening reception for the **Mexican Space Collective**.

TICKETS: Free for ISEA2012 registrants, \$25 for the general public at the door or in advance at www.isea2012.org

Residencies Opening

Saturday, September 22, 4:30pm – 7:30pm

Rainosek Gallery, UNM Architecture Building
during UNM area events (see page 35)



Downtown Block Party

Sunday, September 23, 4:00pm – 9:00pm

Central Avenue between 4th & 6th Streets

516 ARTS presents the Downtown Block Party during the Intel Education Day. The general public is invited to this free, outdoor celebration, which features artworks focusing on the conference sub-theme of Transportation and fun for all ages. The programs include hands-on interactive DIY demos, performances, projections, illuminated projects and kinetic sculptures. Music and dance happen throughout the event. Featured work includes: **Symphony 505**, in which lowrider cars from the Down Low Car Club become the instruments of a new music and dance work; Harrod Blank's **Camera Van** which includes more than 2,500 cameras; **Remote Desert Exploration Vehicle** by Miguel Palma from Portugal, a converted former military vehicle that explores desert surroundings during the day and returns to urban areas to project the desert imagery on buildings at night; **Fire on the bus, YO!**, a fire dance on top of the converted New Mexi-Bus that houses a DJ; **Circus Electrique** with The Choppers Electric Ensemble plus Milche de la Maquina, Albuquerque Boys Choir and members of Blackout Theatre; Raven Chacon's **Totem of the Total Siren**, utilizing custom-built electronics instruments; **DJ Memetric** from Toronto uses Hip Hop to connect the dots between styles, sounds and people on the dance floor; and much more! See separate brochure about the Downtown Block Party for details on the over 30 artist projected presented.



PERFORMANCES

Events are free unless otherwise noted.

See additional performances on pages 40-41.

Constructive Interference

Thursday, September 20, 9:00am – 5:00pm

Hotel Albuquerque: Chapel

Constructive Interference is a hybrid artwork that questions the boundaries between installation and performance, instrument and environment, system and situation. Artists David Fodel and Paco Proano use the notion of constructive interference, a concept rooted in wave dynamics, as a metaphor for the process of collaboration itself, and as a way of exposing individual and collective modes of experience and perception. The artwork tracks the movement of multiple visitors, translating those actions into audible and visible feedback. The sounds and the images react to one other, and to the audience, who collectively create the ongoing experience.

Ursonate Project

Thursday, September 20, 4:15pm – 5:15pm

Natural History Museum: Dyna Theater



This performance of *Ursonate* by Dada/Intermedia artist Kurt Schwitters (1887-1948) merges two distinct approaches. Kristen Loree gives a tour de force performance of the complete text, set against a backdrop of 1260 projections by Jack Ox. The digital syllables derived from Ox's visualization move simultaneously with the sound. Her original 800 square painting is a meta-phorical mapping from Schwitters' original composition and performance. Introduced in this performance is the VJ/DJ artist, Jane daPain, creating electronically collaged views of the performers and an improvised cadenza with Loree.

A Booper Symphony for Machine Wilderness

Thursday, September 20, 4:30pm – 5:30pm

Hotel Albuquerque: Franciscan Ballroom

Negativland founding member Mark Hosler will perform live and solo for the first time ever in his 32 years of making music. Using a performance set-up built around homemade, one-of-a-kind, electronic noise making devices (including two of Negativland's famous "Boopers"), Hosler creates a musical soundscape performance with devices that are intentionally unstable analog feedback boxes, creating a non-linear, dynamic, "living" system of sound.



David Moss: Hyperglyphix

Friday, September 21, 4:15pm – 5:00pm

& 5:30pm – 6:15pm

Natural History Museum: Planetarium

The Outpost Performance Space presents David Moss, one of the most innovative singers and performers in contemporary music. *Hyperglyphix* is a solo performance on the edges of technology featuring voice, electronics, objects and stories, featuring warped words, found songs, phased phonemes and scrambled texts from Wittgenstein, Cage and Calvino.

TICKETS: 4:15 Show: Free for registrants. Tickets for general public \$10 at the door if space available. **5:30pm Show:** \$10 for general public available from Outpost (505-268-0044) or at the door. Admission free to registrants if space available.

Frozen Music Ensemble: 24-Hour Performance

Saturday, Sept. 22, 4:30pm – Sunday, Sept. 23, 4:30pm

Duck Pond, UNM Main Campus

Frozen Music Ensemble is a unique vehicle for the development and implementation of a novel kind of extended electroacoustic music presentation. Each performance is a kind of acoustical "tuning" or redrawing of the existing aural landscape through direct sound generation and amplification. Its members, Gustavo Matamoros, David Dunn and Rene Barge, use new and custom designed audio technology to engage audiences in activations of spaces that promote an aural perception of the world.

NoiseFold: Wilderness Machine

Sunday, September 23, 2:00pm – 2:50pm

The Box Performance Space

Working at the confluence of digital algorithmic processes and instrumental improvisation, NoiseFold creates a powerful cinematic experience as an immersive audio-visual form blending noise, ambient sound and experimental music. In *Wilderness Machine*, Cory Metcalf and David Stout construct a teeming, chattering synthetic ecology that pulsates and hums with peculiar bio-mimetic interactions. The performers interact with semi-autonomous visual forms to grow and sculpt the sonic content of the performance.

CorpusElectric

Sunday, September 23, 4:15pm & 5:00pm

The Box Performance Space



CorpusElectric is a tech-fashion performance for Intel Education Day created through a collaboration between Media Arts students from New Mexico Highlands University, the Taos Runway Vigilantes and students from the ISEA2012 Visiting Artists Teaching Program produced by 516 ARTS. Workshops were held in Taos and Las Vegas, New Mexico, where participants integrated technology into

wearable costumes and accessories, multimedia backdrops and lighting. The project is lead by artists Megan Jacobs, Miriam Langer, Stacy Romero, Nina Silfverburg and Tatyana de Pavloff. Made possible in part by Intel.

TICKETS: Free for registrants, 5:00pm show open to the public, if space available, \$10 tickets at the door

Idris Goodwin: Instant Messages

Sunday, September 23, 7:00pm – 7:45pm

Tricklock Performance Laboratory

Hip Hop playwright, poet, essayist and performer Idris Goodwin has engaged Albuquerque teens in National Hispanic Cultural Center's Voces program and Tricklock Company's Manoa Project to create *Instant Messages*, a performance piece developed from evocative, inspiring and humorous conversations found on Twitter and social networking sites. He theatrically transforms and performs some of these "digital dialogues" together with student participants and members of Tricklock Company. Made possible in part by Intel.



Symphony 505

Sunday, September 23, 6:30pm

Parking lot at 6th St. & Central Ave., during Downtown Block Party

516 ARTS presents *Symphony 505* by composer Christopher Marianetti and dancer/choreographer Mary Margaret Moore, who create a 'symphony' in which lowrider cars from the Down Low Car Club become the instruments of a new music and dance work. As music emanates from the cars' internal sound systems, the cars become like a vehicular orchestra, each car sonically projecting a different part of the whole composition. The drivers maneuver their 'instruments' in a spatial choreography. At the end of the work, the audience is able to play or DJ the cars. Made possible in part by the Albuquerque Community Foundation.

Laurie Anderson: DIRTDAY!

Sunday, September 23, 9:00pm

KiMo Theatre



AMP Concerts presents the legendary Laurie Anderson, icon of the electronic art and music world, performing her new show at ISEA2012. DIRTDAY! looks at politics, theories of evolution, families, history and animals in a riotous and soulful collection of songs and

stories. The third and last in her series of solo story works, which includes *Happiness* and *The End of the Moon*, DIRTDAY! is the culmination of Anderson's ground-breaking work in this genre.

TICKETS: \$40, available at www.amponcerts.org

Machine Wilderness

Re-envisioning Art, Technology and Nature

The title for the overall ISEA2012 project is *Machine Wilderness*. As part of a region of rapid growth alongside wide expanses of open land, New Mexico presents a microcosm of this theme. ISEA2012: Machine Wilderness presents artists' and technologists' ideas for a more humane interaction between technology and environment, in which "machines" can take many forms to support and sustain life on Earth. The project focuses on creative solutions for how technology and the natural world can coexist. The term "Machine Wilderness" was originally coined by cultural geographer Ronald Horvath in the 1960s to describe the transformation of the landscape of the American Southwest caused by the automobile. For ISEA2012, the term "Machine Wilderness" is being reclaimed to represent the potential for humans, animals and machines to coexist in a positive, sustainable future. ISEA2012 featured artists, presenters and organizations seek to define wilderness and our place in it in the 21st century.

SUB-THEMES

GRD Power: Gridlocked

Flip a switch and the lights come on. Flush a toilet and waste disappears. Swipe a card and money is transferred. Sophisticated yet often invisible grids of power sustain contemporary life throughout the farthest reaches of our world, providing electricity, gas, water, sewage, finances, materials, transportation, communication and more. Rolling blackouts, economic fallout, climate change and natural disasters test the viability of this interconnected system of dependence. The *Gridlocked* theme aims to provide a multi-layered exposé of the structures and infrastructures of power, and make visible their origins, mechanisms, consequences and alternatives. Featured programs explore power in its simplest manifestations as well as its complex hold on global society.

ECN Creative Economies: Econotopias

From the local to the global, the *Econotopias* theme engages a critical dialogue around the challenges and excessive demands of the global marketplace and its impact on everyday life. It explores the future of creative economies as drivers of possibility in diverse communities and environments and through new technologies. By bringing local and international artists, engineers, economists, labor specialists and community organizers together, *Econotopias* focuses on the need for more sustainable social and production practices through programs on topics such as open-source ideologies, the gift economy, micro-credit, the culture industry and global outsourcing.

DYN Transportation: Dynamobilities

The once simple task of moving from point A to point B has become a minefield of choices and consequences. The *Dynamobilities* theme features artworks and presentations that ask questions about and offer possible solutions to the issue of 21st century mobility. Featured projects include new devices for moving through space, mobile media that depend on the user's movement through space, projects examining the power needed for mobility and question the need for speed, as well as theoretical presentations addressing the mobility of people, goods and ideas.

TSH Wildlife: Trans-Species Habitats

Coyotes, bears, peregrine falcons, many charismatic mega-species are making cities their homes. Bees, bats and other smaller animals are suffering disease and perhaps species collapse. Plant and animal communities are failing due to the control of natural cycles such as flood or fire to accommodate settled human development. However, humans are copying animal adaptations and replicating complex natural systems in sustainable design from Velcro to storm water infiltration. The *Trans-Species Habitats* theme showcases work that re-imagines the city as a viable space for the integration of overlapping species flowing in patterns and spatial organizations.

RC The Cosmos: Radical Cosmologies

The *Radical Cosmologies* theme gazes at the universe and questions our place in it. It explores a wide range of creative perspectives and practices around the cultural, scientific and philosophical possibilities of contemporary astronomy. This theme incorporates various forms of media, written word, performance and installation, as well as workshops, community-based actions, lectures and online projects to offer viewers fresh interpretations and experiences of cultural myths, indigenous histories and contemporary science.

FOCUS AREAS

LAT Latin American Forum

The Rio Grande River creates a natural conduit between the U.S. and Mexico. The path it follows has created a geographical, cultural and linguistic bridge between Latin America and the United States both historically and in the present day, providing a unique context for collaboration and the exchange of ideas with Latin America. The ISEA2012 Latin American Forum showcases some of the recent and historical production of Latin American digital culture, critical theory and media arts, highlighting fresh contributions from south of the border.

EDU STEMArts Education Program

The ISEA2012 Education Program focuses on STEM (Science, Technology, Engineering & Math) education through Art. It centers around the Intel Education Day of the conference, and includes outreach activities such as the STEMArts Competition and the Downtown Block Party presented with Creative Albuquerque and highlighting the Transportation theme, the Visiting Artists Teaching Program, a curriculum for teachers, and an artist-scientist residency with Intel. The program demonstrates innovative ways for the arts to improve STEM education, with a special focus on culturally diverse students. Lead sponsorship from Intel Corporation.



KEYNOTES & FEATURED PANELS

See daily schedule for descriptions.

ECN KEYNOTE: Mark Hosler
**Adventures in Illegal Art:
Creative Media Resistance and Negativland**

Wednesday, September 19, 11:00am – 12:30pm
Albuquerque Museum: Special Events Room

GRD KEYNOTE: Rick Prelinger
Accelerating Networks, Broken Networks

Wednesday, September 19, 3:00pm – 4:00pm
Albuquerque Museum: Special Events Room

TSH FEATURED PANEL:
Extinction

Gordon Knox, Matthew Moore & Clare Patey
Thursday, September 20, 9:00am – 10:15am
Hotel Albuquerque: Franciscan Ballroom

RC KEYNOTE: Roger Malina
Big Data, New Senses and the Avatar as Other in Cosmology

Thursday, September 20, 1:15pm – 2:30pm
Natural History Museum: Dyna Theater

ECN KEYNOTE PANEL:
**Econotopias: Imagining Possible Futures
Through the Creative Economy**

Ted Howard, Jaromil & Caroline Woolard, moderated by Stephanie Rothenberg
Friday, September 21, 11:00am – 12:30pm
Albuquerque Museum: Special Events Room

FEATURED PANEL:
What We Learned: The Changing Landscape of Curatorial Practices

Irene Hofmann, Nancy Marie Mithlo & Dannys Montes de Oca Moreda
moderated by Andrew Connors
Friday, September 21, 1:00pm – 2:30pm
Albuquerque Museum: Special Events Room

TSH KEYNOTE: Fritz Haeg
Animal Estates

Friday, September 21, 3:00pm – 4:00pm
Albuquerque Museum: Special Events Room

LAT FEATURED PANEL:
Conversation with Brazilian Artists and Curators

Priscila Arantes, Giselle Beiguelman & Simone Osthoff
Saturday, September 22, 9:00am – 10:15am
National Hispanic Cultural Center: Ballroom, Education Building

Mark Hosler



Rick Prelinger



Scott Kildall



Caroline Woolard



Nancy Marie Mithlo



Coco Fusco



Scott Snibbe



Chip Lord



Laurie Anderson



Tahir Hemphill



LAT FEATURED PANEL:

Technotopia: The Colonization of the Body as the Ultimate Frontier

Coco Fusco, Miguel Gandert, Vicki Gaubeca, Manuel Montoya & Adriana Ramirez de Arellano

Saturday, September 22, 10:45am – 12:45pm

National Hispanic Cultural Center: Ballroom, Education Building

EDU KEYNOTE:

Ariane Koek and Dr. Ken Wesson

Sunday, September 23, 10:30am – 12:00pm

KiMo Theatre

EDU FEATURED PANEL:

Digital Divide

Sandra Begay-Campbell, Tameka Huff & Henry Rael moderated by Juan Abeyta

Sunday, September 23, 12:30pm – 1:45pm

Albuquerque Main Library

EDU KEYNOTE: Scott Snibbe

Exploring the Universe through Interactive Art

Sunday, September 23, 2:15pm – 3:15pm

KiMo Theatre

DYN FEATURED TALK: Chip Lord

Ant Farm Media Van v.08 [Time Capsule] 1970- 2008

Monday, September 24, 9:00am – 10:00am

KiMo Theatre

RC KEYNOTE:

Conversation with Laurie Anderson and Tom Leeser

Monday, September 24, 11:00am – 12:00pm

KiMo Theatre

DYN FEATURED SCREENING/Q&A: Andrew Garrison

Trash Dance

Monday, September 24, 12:30pm – 1:45pm

KiMo Theatre

FEATURED PANEL:

Hip Hop & Technology

Tahir Hemphill & Kwende Kefentse, moderated by Hakim Bellamy

Monday, September 24, 2:00pm – 3:15pm

KiMo Theatre

6:53am – sunrise

Dawn Opening

516 ARTS

The Dawn Opening of the Wai project from New Zealand will be led by Dr. Te Huirangi Waikerepuru. Maori traditional protocol will be observed, where the *tapu* (sacredness) of the space is made *noa*, allowing people to enter. Morning tea is then shared, signifying the *noa* state of the space. Dr. Waikerepuru is recognized in New Zealand for his contribution to *Te Reo* (Maori language), and the radio spectrum leading to Maori Radio, which subsequently led to Maori Television. Growing up, he was taught traditional, pre-European knowledge handed down by oral tradition.

8:00am – 5:00pm

Registration

Albuquerque Museum: Lobby

9:00am – 5:00pm

LOOPED SCREENING:

ISEA2012 Experimental Films: On the edge

Albuquerque Museum: Auditorium

In this selection of experimental films, filmmakers stretch the limits of form, subject and technology. From various camera techniques and postproduction experiments, to appropriating footage from Google Street View, these works live in the edge of contemporary filmmaking.

Filmmakers: Trish Adams, Stephen Ausherman, Peter Bill & Bruce Bennett, Peter Bill & Anna Kaneko, Angus Carlyle & Rupert Cox, Gair Dunlop, Linda Duvall, Brian Evans, Hans Gindlesberger, Volker Kuchelmeister, Stephen Pope, Sergio Romero & Jim Scott

9:30am – 10:45am

GRD PANEL:

The Societal Implications of Energy Abundance

Albuquerque Museum: Special Events Room

We live in a time when we need to consider that many things previously thought impossible might indeed be possible, and that these changes profoundly affect what we can do technologically, and how we live as individuals in human society. Humanity is achieving at a quickening pace its deepest glimpses and understandings yet into the innermost workings of the universe, and with it the potential by which to tap into new energy sources to produce a benign, cheap and inexhaustible power production paradigm. This panel will investigate the implications of this possibility.

Presenters: Thomas Bowels, Russell Brito, Tom Goslin, Michael Shaw, Steve Suddarth & Scott M. Tyson

9:30am – 10:45am

ECN PANEL:

Tools for Collaborative Research in Complex Ecosystems

Natural History Museum: Sandia Room

New media is a way to connect diverse communities seeking solutions to the global collapse we are experiencing. The unsustainability of our current environmental, economic, social and cultural practices reveals the extent to which our siloed approaches have failed. Each affected ecosystem represents an entangled web in which many different types of knowledge have a specific role to play. We will address the need to create bridges for the different communities directly affected by the emergence of new problems but lacking a productive communication interface. We will present novel design methodologies for participatory, problem oriented research projects, and ways in which digital communication technologies can articulate and modify dialogues.

Presenters: Jaromil, Angelika Hilbeck, Aviva Rahmani, Juanita Schlaepfer & Eugenio Tisselli

11:00am – 12:30pm

ECN KEYNOTE TALK: Mark Hosler

Adventures in Illegal Art: Creative Media Resistance and Negativland

Albuquerque Museum: Special Events Room



Is Negativland a “band”? Media hoaxers? Activists? Musicians? Filmmakers? Decide for yourself in this presentation that uses films and stories to illustrate some of Negativland’s creative projects, hoaxes, pranks and “culture jamming.” Their work spans media literacy, audio and visual collage, creative activism in a media saturated multi-national world, file sharing, intellectual property issues, evolving notions of art and ownership and law in the digital age.

12:00pm – 6:00pm

Meeting Minds Tech Lounge

Hotel Albuquerque: Potters Room

1:15pm – 2:30pm

PANEL: **Scale – Time – Complexity:**

Engaging, Entangling and Communicating Ecology

Albuquerque Museum: Special Events Room

This project questions how we engage with our ecology. The panel is framed within an acknowledgment of scale, time and complexity as an entry point into a conversation about our local ecology and the universe beyond. The panelists aim to initiate a dialogue by situating the discussion around their own art and

design research practices. These practices have emerged from local investigations into ecological issues that evolved into two overlapping research clusters, art and ecology, and design and innovation for sustainability, at AUT University in Auckland, New Zealand.

Presenters: Andrew Denton, Nigel Jamieson & Stephen Reay

1:15pm – 2:30pm

TSH PANEL: **Eco-Art + the Evolving Landscape of Social and Situated Practices**

Natural History Museum: Sandia Room

During the second half of the 20th century, a growing number of artists produced work with an ecological dimension, including such luminaries as: Hans Haacke, The Harrisons, and Mierle Laderman-Ukeles to name a few. This panel focuses on the complex triad of eco-art, situated practices— those modes of engagement that are ordered by the conceptual and physical contingencies that arise from the specific conditions of their site of production, display or distribution and social practices—varied forms of community engagement, participatory intervention and project-based public work that embrace democratic processes and inspire progressive social, cultural and environmental change.

Presenters: Eve-Andrée Laramee & Linda Weintraub moderated by Patricia Olynyk

3:00pm – 4:00pm

GRD KEYNOTE TALK: Rick Prelinger

Accelerating Networks, Broken Networks

Albuquerque Museum: Special Events Room



Rick Prelinger is an archivist, writer, filmmaker and outsider librarian. He speaks about our dependency on the networks that connect us. He says, “The networks offering power, water, mobility, commodities and communication have turned into a drunken spiderweb full of broken connections. All of us depend on networks that are growing unreliable. Identifying the utopian kernel that once resonated in our minds as these networks accelerated, is a starting place for examining nodes in emergent networks and our connectivity.”

4:00pm – 6:45pm

WORKSHOP: **Activate!**

Natural History Museum: Multipurpose Room

Come learn how to make games with Activate! In this workshop, you’ll learn the secrets of how game designers make games, from prototype to playtest. We’ll take you through the steps from a “physical prototype” to a fully playable digital game, starting you on the path to becoming a game designer. We’ll use Game

Salad, a free game-making tool to introduce game programming concepts.

Presenters: Colleen Macklin & John Sharp

4:15pm – 5:15pm

WORKSHOP: **ARIS – Place Based Mobile Game**

Explora: Multipurpose Room

In this design jam, youth and conference attendees will begin by sharing local stories and media, and then use ARIS to abstract those stories into place-based designed experiences delivered via smartphone in and around the city.

Presenter: Chris Holden

4:15pm – 5:30pm

PANEL: **Synaptic Scenarios for Ecological Environments**

Natural History Museum: Sandia Room

This panel is about how artists and scientists can collaborate with cognitive scientists to address environmental issues. By exploring the relationship between cognitive psychology and environmental science, public engagement can require controversy and an opening up of scientific debates. However, this level of engagement also requires that we gain a more fundamental understanding of our bodily-sense of place within the ecological environment and its complex systems.

Presenters: Ellen K. Levy, Angelika Hilbeck, Alison Hawthorne Deming, Patricia Olynyk, Nicole Ottiger & Jill Scott

5:30pm – 7:00pm

WELCOME RECEPTION: **Meeting Minds Tech Lounge**

Hotel Albuquerque: Potters Room

7:00pm – 8:00pm

ISEA2012 Opening Ceremonies & Reception

Albuquerque Museum: Amphitheater & Lobby

Followed by reception in the lobby, 8:00pm – 8:30pm.

See page 6.

8:30pm – 10:00pm

Salsa Dance Party: Son Como Son

The Albuquerque Museum of Art & History Amphitheater

See page 6.

10:00pm – 2:00am

Late Night Lounge

Hotel Andaluz: Club Ibiza & Rooftop Lounge

Hotel Albuquerque: Q Bar

8:00am – 5:00pm

Registration

Albuquerque Museum: Lobby

9:00am - 5:00pm

LOOPED SCREENING: **Currents @ ISEA2012**

Albuquerque Museum: Gem Theater

For ISEA2012, Currents 2012 is represented with a looped single channel screening. Curated by Parallel Studios, Currents: Santa Fe International Media Festival explores the role of technology and the diverse applications of new media in the arts. This year's festival showcases single channel video, video and sound installation, interactive new media, animation, computer modulated sculpture, multimedia performance, experimental and interactive documentary video, Digital Dome projection, art gaming and art web.

9:00am – 5:00pm

PERFORMANCE: **Constructive Interference**

Hotel Albuquerque: Chapel

See page 8.

9:00am – 9:15am

TALK: **A Short and Superfluous Guide to Your New New Media Art**

Harwood Art Center: Dining Room

Programmer/Technologist Ed Dambik will discuss observations, misunderstandings, pitfalls, the occasional blank stare and successes experienced by a programmer/technologist who went from working as a control system programmer in high energy physics at Fermilab to assisting and collaborating with artists with technology as part of the Advanced Visualization Lab at Indiana University.

9:00am – 10:00am

TALK: **Curating Getting Off the Planet**

Natural History Museum: Planetarium

Patricia Watts will share her journey developing a unique space related residency and exhibition project in New Mexico. She will present proposals for projects statewide including sites near Truth or Consequences and White Sands Recreation Area, as well as additional space related artists' work. Watts' interest in this thematic is to find ways to expand human consciousness from a macro perspective exploring our place in the universe, and how getting off the planet in our thinking can influence what it means to be here now on planet earth. *Getting Off the Planet* is a multi-year project co-curated by Jenée Misraje and developed in partnership with the Santa Fe Art Institute.

Presenter: Patricia Watts

9:00am – 10:15am

RC PANEL: **Radical Cosmologies: Conversations on Culture, Technology and Research**

Albuquerque Museum: Special Events Room

Viralnet.net explores the cultural, educational and creative possibilities of what a Radical Cosmology could look like. Visitors to the resource room at The Albuquerque Museum will be able to explore the site's artist projects, essays and interviews. Tom Leeser will conduct a dialogue with leading artists and visual strategists, exploring the question: What is a Radical Cosmology and what does it look like? The participants are part of the Viralnet.net Radical Cosmologies project. Their research and creative practices pursue cultural critiques of geography, astronomy, mapping, neuroscience and the possibility of life beyond our universe.

Presenters: Matt Coolidge, Dan Goods, Tom Jennings, Eve-Andrée Laramée, Charles Lindsey, Nina Waisman moderated by Tom Leeser

9:00am – 10:15am

PANEL:

Scientists/Artists Research Collaborations (SARC)

Natural History Museum: Multipurpose Room

Fundamental to SARC is the precept that science-art collaborations should be of mutual benefit to the furtherance of both the arts and the sciences, and to their positive implications for society. SARC is initiating a pilot series of professional artists' collaborations with Los Alamos National Labs and Sandia National Laboratories research teams. Santa Fe Institute (SFI) has invited the artists and Lab collaborators for working group presentations, discussions and interactions with SFI scientists. Santa Fe Complex, the Bradbury Museum and other partners are providing public presentation and discussion opportunities.

Presenters: Richard Lowenberg, Jack Ox & SARC artists

9:00am – 10:15am

TSH FEATURED PANEL: **Extinction**

Hotel Albuquerque: Franciscan Ballroom



Artists Clare Patey (London) and Matt Moore (Phoenix) along with ASU Art Museum Director Gordon Knox discuss a new collaborative exhibition and initiative that explores fundamental changes occurring during our lifetimes and potential means of dealing with

such changes culturally. Patey and Moore's collaboration includes an exhibition, *Rare Earth*, at the ASU Art Museum, an event, *Feast on the Street*, that brings people together around a half-mile long dining table in downtown Phoenix and a symposium that brings diverse perspectives, including scientific and artistic, to bear on fundamental questions and issues of permanent change that occurs as a natural part of evolution. ASU Art Museum's Knox moderates the discussion within the context of the evolving role of the museum in society from archive to agent of social change. Sponsored by ASU Art Museum.

Presenters: Gordon Knox, Matthew Moore & Clare Patey

9:00am – 10:15am

ECN WORKSHOP: **The Free Store Project**

Hotel Albuquerque: Turquoise Room

The Free Store Project explores the viability of creating sustainable long-term food redistribution networks. Moving well beyond traditional models of corporate responsibility and charitable 'gift giving'. The Free Store project investigates how 'unlikely' relationships between the commercial and creative/social sector can produce projects that create sustained and productive innovation that benefits all parties. The Free Store workshop for ISEA 2012 will reflect on the New Zealand Free Store projects, throwing some radical economics into the mix the workshop will investigate grass roots ways communities can address the growing disparity between the commercial imperatives that drive food waste and the dilemma of food security.

Presenter: Kim Paton

9:00am – 10:30am

PANEL: **Making Sense of Data**

Hotel Albuquerque: Weavers Room

The panel presents an inside-view of pioneering contemporary public art projects from Australia, England, Hong Kong, the United Arab Emirates and the USA that transform our understanding of our lived environments through evocative and sensate uses of data. The focus on sensation is an intentional

and explicit strategy used by the panellists to break data out of the confines of the screen and into our grounded, embodied environments. The projects presented also reveal how cogently the creative arts are contributing to global conversations about climate change and sustainability.

Presenters: Robert Ferry, Julie Freeman, Scott Hessels, Geo Homsy, Elizabeth Monoian & Vicki Sowry

9:00am – 12:45pm

TSH WORKSHOP: **Agitating Algae: Physical Computing and Bioluminescent Displays**

Explora: Multipurpose Room

This workshop will introduce participants to bioluminescent dinoflagellates—marine dwelling, single-celled algae that emit light upon physical agitation. Using Arduino and simple physical computing arrangements, we will explore various ways to connect the inorganic with the organic, in our case using digital micro-controllers, motors, and bioluminescent algae. Additionally, participants will learn about bioluminescent dinoflagellates in nature, how to grow them at home, and will be offered their own packet of bioluminescent algae to take home. This workshop will be informal and casual, focusing on creativity and exploration rather than on developing engineering know how.

Presenter: Tyler Fox

9:30am – 9:45am

TALK: **Memory Is No Object: Photography as Performance of Landscape**

Harwood Art Center: Dining Room

The performance of photography is not limited to the creation of artifacts for future reference. It also functions as an instantaneous reality check or proofing of the body relating to an image or landscape. For many visitors to areas designated as wilderness or art contexts, imaging is the prime experiential action, not simply documentation of some other experience. While thousands of photographs of a specific site like El Capitan or the Mona Lisa are readily available online, we are still compelled to make our own. With digital technology, it is increasingly common for an individual to make hundreds of photographs in a single day. The making of digital photographs is now essential to a personal sense of reality and experience; the act of photographing carries cultural significance in excess of any images produced in the process.

Presenter: Daniel Tankersley

10:00am – 10:25amPAPER: **The Technology Design Education Studio as a New Model for Interdisciplinary Learning**

Harwood Art Center: Dining Room

Building on an acclaimed international design education program, Taylor will present interdisciplinary thinking and the use of a technology design studio p/k-12+ that unlocks the grid of teacher/textbook centered learning, giving power to students. The presentation will address Technical Studios as Art, unlocking the traditional “power grid” in education which is stifling our teachers and students. This presentation offers an antidote to present day educational delivery systems from which many young students are dropping out. Developmental rights of students drive the design of learning environments that actually teach based on ecosophy and research that underpins future education.

*Presenter: Anne Taylor***10:25am – 10:50am**PAPER: **Broken Circle and Spiral Hill? Smithson's Spirals, Pataphysics, Syzygy and Survival**

Hotel Albuquerque: Franciscan Ballroom

June 2011 marked the 40th anniversary of Robert Smithson's *Broken Circle and Spiral Hill*, major earthworks in a Dutch quarry. Like Alfred Jarry's conception of pataphysics as the science of “imaginary solutions” and “the laws governing exceptions,” Smithson seems to have been seeking out and articulating an alternate reality, a new system of values in which the “imaginary nature of things as glimpsed by the heightened vision of poetry or science or love can be seized and lived as real.” My pataphysical interpretation of Smithson suggests how his spiraling earthworks demystify hyper-rational scientific culture and reveal alternative forms of knowledge and being.

*Presenter: Edward Shanken***10:30am – 10:55am**PAPER: **The Natural History of Media**

Harwood Art Center: Dining Room

The media arts situate themselves in part in relation to historical media theory in which the earth has been written out. This talk will introduce ways in which the earth has been in and out of circuit with telecommunications systems since the nineteenth century and other broad features of a natural history of media.

*Presenter: Douglas Kahn***11:00am – 1:00pm****ISEA International General Meeting**

Albuquerque Museum: Special Events Room

ISEA2012 is part of a series of symposia that started in 1988 and is overseen by the ISEA International foundation. The general meeting includes an update from the ISEA International board, presentations from ISEA2013 in Sydney, Australia and ISEA2014 in Dubai, United Arab Emirates and four proposals for ISEA2015 (Amsterdam, Mexico, Vancouver and Yogyakarta, Indonesia).

12:00pm – 6:00pm**Meeting Minds Tech Lounge**

Hotel Albuquerque: Potters Room

12:30pm – 4:00pmWORKSHOP: **The Center for Art and Exhibit Design Electronics (CAEED) Microcontroller and Sensor**

Natural History Museum: Highlands Media Arts Classroom

The Center for Art and Exhibit Design Electronics (CAEED) was created to support people who are using or considering the use of electronics in exhibits and art-installations. This workshop will provide a hands-on look at fundamentals for manipulating and using electronic sensors with microcontrollers typically used for exhibits and art installations. Participants will work with an Arduino microcontroller and a remote sensor “shield” for building projects. Each participant will take home the microcontroller and electronics sensor board. (This workshop required an additional \$100 registration fee. 12:30pm – 1:15pm will be a pre-workshop hardware configuration session. The workshop will officially begin at 1:15pm.)

*Presenter: Stanley Cohen***1:15pm – 2:30pm**FEATURED PANEL: **Getting Off the Planet**

Albuquerque Museum: Special Events Room

This panel will examine the work of technology-based artists who have access to more knowledge about our universe than ever before. How has this opportunity informed these artists' work and what are the possibilities for collaborations between the Astro-Sciences and the Arts? Panelists include Charles Lindsey and Eric Hanson who have collaborated to make CARBON-X, a digital dome video work depicting a morphing proto-world and artists Scott Kildall and Nathaniel Stern who are presenting *Tweets in Space*, a performance at the ISEA2012 Gala, which beams Twitter messages toward an exoplanet 22 light years away.

Presenters: Eric Hansen, Scott Kildall, Charles Lindsey & Nathaniel Stern, moderated by Patricia Watts

1:15pm – 2:30pm

PANEL: **Worlds Imagining Ecologies**

Harwood Art Center: Dining Room

The panel describes a range of transdisciplinary strategies and projects for the visualization and sonification of complex ecologies through a variety of forms (such as mobile apps, Full Dome environments or urban screens) to manifest information harvested from the environment - from bodies in landscapes to the body as landscape.

Presenters: Mike Phillips, Jill Scott, Chris Speed & Paul Thomas

1:15pm – 2:30pm

PANEL: **Public Art Design Competition Finalists**

Hotel Albuquerque: Turquoise Room

The City of Albuquerque Public Art Program launched a call for a major work of public art in conjunction with ISEA2012. Applicants submitted proposals from around the globe. This panel features the finalists, whose models are on view at the KiMo Theatre Art Gallery in Downtown Albuquerque.

Presenters: Paula Castillo, Josh Lopez-Binder, Julian Priest, Thomas Strich, Jared Winchester + Cory Greenfield & Casey Crawmer of Entropic Industries, moderated by Sherri Brueggemann

1:15pm – 2:30pm

PANEL: **Issues in Information Technologies and Engineering at UNM**

Hotel Albuquerque: Weavers Room

The University of New Mexico has a long history of innovation in data and computer engineering including human-computer interaction, complex data structure applications, computer science education and has some of the highest ranking computing and engineering programs in the country. This panel highlights some of the recent research and infrastructure projects of the UNM IT, Computer Science and Engineering programs and opens a discussion about future challenges.

Panelists to be announced.

1:15pm – 2:30pm

PANEL: **Hey Human! What Should We Do Now?**

Natural History Museum: Multipurpose Room

How do you think we, the electronic artists, could and/or should contribute to the health of our environment? Do you have ideas and projects to propose? Do you have a working model that could be replicated? Each panelist is expected to contribute to the reflection, debate and promotion of projects and actions regarding our environment and our responsibility as human beings in trying to heal the deep wounds we can see all around us.

Presenters: Andrés Burbano, Nina Czegledy, Ricardo Dal Farra & Roger Malina

1:15pm – 2:30pm

RC PERFORMANCE: **Project Analemma**

Natural History Museum: Planetarium

Why does the universe behave like it does? Is it acting out its own drama regardless of the audience? Or does the mere presence of an audience forcibly choreograph the show in front of them in dynamic ways? Project Analemma has sent its crew to the furthest reaches of space to answer these questions, and they have come back with surprising answers. Join project director, Dr. Patrick Alexandre, and the crew members, Alan Rosseter (physicist) and Ryan (photographer), to hear them discuss their latest mission, showcase unprecedented photographs, and explore the exciting implications that could change the nature of reality.

Performer: Colby Sempek

3:00pm – 4:00pm

RC KEYNOTE TALK: Roger Malina

Big Data, New Senses and the Avatar as Other in Cosmology

Natural History Museum: Dyna Theater



Astronomy is in a period of epistemological and ontological crisis. We now think that most of the universe is “dark”, dark matter and dark energy, and emits no light of any kind. I will discuss the history of astronomy as a science and its symbiotic relationship with technology.

Many aspects of the universe cannot be known about until the right technology is invented; we augment, extend and develop new senses. An epistemological revolution is under way with the arrival with the era of “big data” with the exponential growth of available data. This terrain has been rich for art-science collaborations and a number of astronomers have collaborated with artists. If we are badly designed to understand the universe, as a species we have developed ever more sophisticated ‘avatars’, our scientific instruments, with whom we work to overcome the deficiencies of our own cognitive systems. As an astrophysicist and an art-science researcher, I will bring to bear my own professional background in cosmology to unpack some of the underlying issues.

4:15pm – 4:30pm

TSH TALK: **Stories of Wood, Trees, People and DNA Along a Jalan Jati**

Harwood Art Center: Dining Room

Shannon Lee Castleman will discuss her role in the *Migrant Ecologies Project*, an interdisciplinary collaboration about the memories of wood, trees and people. The project, as initially

conceptualized and lead by Lucy Davis, combines artistic, scientific, ecological and public educational objectives that can be negotiated through this singular research project. Jalan Jati (or Teak Road) traces the historic, material and poetic journeys of a teak bed, found in Singapore, back to the location in Southeast Asia where the original trees may have grown. Jalan Jati brings together cross-cultural natural histories, micro and macro arboreal influences as well as DNA timber tracking technology.

Presenter: Shannon Lee Castleman

4:15pm – 4:40pm

RC PAPER: **Square Kilometre Array – Looking for God: Art in the Age of Big Data**

Albuquerque Museum: Auditorium

The SKA-LFG project is a live, real-time, 3D, graphical response to real-time observations from deep space. It combines science, technology, new media and metaphysics within a time based art form linking three distinct perceptions of time: cosmic, computational and human perceptual time. Through this joining of aesthetics, contemporary astronomy and theories of human perception and cognition, SKA-LFG explores narratives of the sublime through computational simulation, dramaturgical narrative forms, interactive digital media and virtual reality systems.

Presenter: Nigel Jamieson

4:15pm – 4:40pm

PAPER: **The New American Pastoral**
Hotel Albuquerque: Turquoise Room

This presentation is about a pedagogical experiment involving students in the digital arts, landscape architecture and architecture, and the conclusion they reached in response to the country's "largest green development," The South Waterfront in Portland, Oregon. In the fall of 2009, an Intel sponsored studio called *The Machine in the Garden: Rethinking Urban Gardens in the 21st Century* examined the current movement of "green" urbanism. This speculative studio concluded that "green" was synonymous with Marx's pastoral — that in its clear, simple nomenclature, conceals the unresolved tensions and conflicts that, like the pastoral, it harbors.

Presenter: Colin Ives

4:15pm – 4:40pm

ECN PAPER: **Paid Usership**

Natural History Museum: Multipurpose Room

Remuneration for labor or user-generated content on the web is based on gifteconomies, debt economies and mostly, attention economics (visibility). In attempting to understand the link

between new forms of virtual labor and virtual money, might we need to look at them not only from actions of 'visibility' but from the perspective of obligation, debt and remuneration? If we remit our rights of privacy and right to remuneration, how can we create other systems of negotiation and payment? Will we all need to survive off of our freemium activities in order to generate more content to contribute to the critical mass?

Presenter: Renée Ridgway



4:15pm – 5:15pm

PERFORMANCE: **Ursonate Project**
Natural History Museum: Dyna Theater
See page 8.

4:30pm – 5:30pm

PERFORMANCE:
A Booper Symphony for Machine Wilderness
Hotel Albuquerque: Franciscan Ballroom
See page 8.

4:45pm – 5:00pm

TALK: **Tuning in and Spacing Out: The Art and Science of the Presentness of Sound**
Hotel Albuquerque: Weavers Room

This talk addresses artistic and scientific research on phenomena that lie outside direct human experience. Sound is invaluable for understanding these spaces, for experiencing a form of "presentness" or a heightened state of awareness in them. Tuning in and spacing out to the presentness of sound becomes a method for creating an expanded, systemic consciousness. This is key to cultivating sustainable attitudes toward the environment and to developing interdisciplinary solutions to global ecological problems.

Presenter: Edward Shanken & Yolande Harris

4:50pm – 5:15pm

PAPER: **The Invisible Present**
Hotel Albuquerque: Turquoise Room

How can the anthropogenic effects of climate change and the more invisible shifts in basic scientific local and global atmospheric conditions be translated into viable chunks of more digestible knowledge? How can trans-disciplinary art and science teams collaborate to discuss issues like public denial and social responsibility? Through presenter Jill Scott's case-study, she offers a set of media proposals that helps to educate the public about the scale of the problem and effects on molecular level climate science cycles.

5:15pm – 5:30pm

PAPER: **Techno-Intuition**

Hotel Albuquerque: Weavers Room

Techno-Intuition embraces the combined roles of mental, physical and technological processes in building relationships to one's environment through sound. Such relationships are often profoundly bound up with technology, raising questions as to how instruments enable as well as inhibit certain forms of knowledge. In response, Techno-Intuition recognizes parallels between technological methods of making the inaudible audible and more esoteric techniques for revealing aspects of the unconscious through listening. Using examples from practitioners, including the author, who actively research the area between technology, intuition and the sonic environment, Techno-Intuition explores a sustainable and sensitive approach to instrument development and artistic production.

Presenter: Yolande Harris



Thursday, September 20, 5-7pm & 6-8pm

OPENING RECEPTIONS: **ISEA2012: Machine Wilderness**
Multi-Site Exhibition

Celebrate the opening of the main ISEA2012 exhibition at the two main venues, 516 ARTS and The Albuquerque Museum of Art & History, as well as 3 of the satellite venues (see page 49). The exhibition includes over 100 artists from 16 countries. The opening starts in Old Town with concurrent receptions 5-7pm at The Albuquerque Museum of Art & History and the New Mexico Museum of Natural History & Science. Downtown receptions are 6-8pm at 516 ARTS, Richard Levy Gallery and the Alvarado Urban Farm. Live music at The Albuquerque Museum by CK Barlow. DJ Sebby Frescoe at 516 ARTS, with food generously provided by Anatolia Doner Kebab Restaurant, Elia's Mexican Kitchen and Farm & Table.

6:00pm – 8:00pm

RECEPTION: **ISEA2012 Public Art Design Competition**
Finalists' Exhibition

KiMo Theatre Gallery

Presented by the City of Albuquerque Public Art Urban Enhancement Program.



Thursday, September 20, 7:00pm – 12:00am

DANCE PARTY: **¡GlobalQik! Kick-Off Party**

National Hispanic Cultural Center

Don't miss ¡GlobalQik!, the ¡Globalquerque! kick-off dance party with music and DJ sets from EarthRise SoundSystem, D-Numbers and Zenova, plus 3D video mapping and the Sennheiser Silent Disco.

INFO: www.globbalquerque.com

10:00pm – 2:00am

Late Night Lounge

Hotel Andaluz: Club Ibiza & Rooftop Lounge
Hotel Albuquerque, Q Bar



Left: Jud Yalkut & Nam June Paik, *Video Synthesizer* and "TV Cello" Collectibles, courtesy Electronic Arts Intermix (EAI), New York, on view at The Albuquerque Museum of Art & History.

Above: D-Numbers, performing at ¡GlobalQik! Dance Party & ¡Globalquerque!
Robert Drummond, *District*, on view at Richard Levy Gallery



Above: Rubén Ortiz-Torres, *High 'n' Low*, on view at The Albuquerque Museum of Art & History.

THURSDAY ARTIST TALKS

For descriptions, visit www.isea2012.org

Albuquerque Museum: Auditorium

4:50pm Lynn Cazabon & Neal McDonald: **Junkspace**

Hotel Albuquerque: Fireplace Room

9:00am Robbert de Goede: **A Moment in Wireframe**

9:25am Paul Hertz: **Trees, Boids, Noise**

9:50am Michael Borowski:
Making Space: Objects of Interdependence

12:00pm Eileen Reynolds:
Stop Motion Animation in Singapore

12:25pm Daniel Tankersley: **National Parking**

12:50pm Timothy Weaver: **From Life to Afterlife Cinema**

1:15pm Sarah Zimmer: **Mobile PanoptiCAM**

1:40pm Jesse Seay: **Red Rubber Bands**

2:05pm Scott Kildall: **Grant Bot**

2:30pm Rob Ray: **Into the Wild: Creating, Powering and Maintaining Electronic Art in the Great Outdoors**

Hotel Albuquerque: Sandia Room

9:00am Romy Achtiuv: **Embodied Algorithms: On Mobility and Transience as Structural Metaphors**

9:25am Peter Beyls: **Interaction in Hybrid Spaces**

9:50am Krista Caballero: **Mapping Meaning**

10:40am Yun-Yi Fan: **Form of Residence**

12:00pm Hilary Harp:
Dream Machines: Automating Psychedelia

12:25pm Nick Hwang: **Social Structure [Construction no. 1]**

12:50pm Ellen Pearlman: **Myths of Creation and Destruction**

1:15pm Pascale Weber: **Immemorial-Rew**

1:40pm Caroline Blaker:
Twitterscapes - Pursuing Art in Data

2:05pm Brit Bunkley: **Digital Apocalypse (Always Look on the Bright Side of Life)**

2:30pm Gavin Starks:
The Utterance of a Cosmological Model

4:00pm Joseph DeLappe: **Mapping the Solar: Augmented Bike Ride as Performance Intervention**

4:25pm Margaret Dolinsky: **Facing Experience: A Painter's Brush in Cyber-Surrealism**

8:00am – 5:00pm

Registration

Albuquerque Museum: Lobby

9:00am – 5:00pm

LOOPED SCREENING: **ISEA2012 Documentary Films:****Observation and Interventions**

Albuquerque Museum: Gem Theater

This selection of contemporary documentary films contrasts urban and rural experience and presents various interventions that challenge this dichotomy and offers alternative modes of living in a rapidly changing environment.

Filmmakers: Drew Browning and Annette Barbier, Kathy High, Erin Hudson, Marie-Michèle Jasmin-Bélisle, Andrea Polli and Melissa Ramos

9:00am – 5:00pm

LOOPED SCREENING: **ISEA2012 Animated Films:****Visions and Fantasies**

Explora: Theater

This selection of new animations highlights both manual and digital modes of production as well as hybrid forms. The films cover a variety of themes and subjects, from examining contemporary issues of international deforestation to fantastical visions of our futures on other planets.

Filmmakers: Gregory Bennett, Cynthia Brinich-Langlois & Joseph Mougel, Lucy Davis, Reese Inman, Anne Morgan Spalter, Chia Yu Chen

9:00am – 9:25am

ECN PAPER: **Info/Eco**

Albuquerque Museum: Auditorium

Info/Eco is an essay attempting to provoke consideration of the new 'information economy' within an integrated, whole-systems understanding of 'ecological economics' and the resulting opportunities for creative development of a 'cultural ecology.'

Presenter: Richard Lowenberg

9:00am – 9:25am

ECN PAPER: **Investment Without Term: A Radical Economy For Daily Practice**

Explora: Multipurpose Room

With the widespread employment of algorithmic trading in the stock market, the acceleration of economic time and its disassociation from "lived" time proves a necessary site for discourse. The model of an investment that does not entail an expected return – reliant on investment's etymological context as the "act of putting on" and "surrounding" – allows one

inhabitation or presence without the calculation of discrete time. I situate this critique within Jacques Derrida's Given Time and Alain Badiou's politics of "subtraction," suggesting new media art (re)opens the field of desire to think and practice such investment without term: a conceptualization of an economy of time apart from the time and speed of the economic.

Presenter: Kei Kreutler

9:00am – 10:15am

TSH WORKSHOP: **Ornamental Cactus Design (Cactus Grafting)**

Natural History Museum: Sandia Room

Ornamental Cactus Design is a hands-on workshop for learning simple cactus grafting techniques. We will create our own plant sculpture to take home. Cactus grafting, or cutting and pasting two different species of cacti is a common way to propagate the plant. This method is also used for making Moon Cactus - ornamental mini plants you can easily find in garden stores and flower markets. They are mass-produced, short lived, and are designed to look like flowers. We will discuss the history, ethics and aesthetics of this design to come up with our unique versions of it.

Presenter: Soyo Lee

9:00am – 11:00am

DYN WORKSHOP: **Taxi Takes on the World Part I**

Natural History Museum: Multipurpose Room

This workshop will feature a presentation of *The Taxi Takes on the World*, followed by a hands-on workshop of citizen journalism. Participants will be divided into groups of journalists and shooters, which will hit the streets of Albuquerque together to film their conversations with a driver inside taxis. This footage will be screened at the second session on September 24, which will also provide training for another group of participants to pair up for training to shoot. All of the footage collected during and after these workshops will be used in the global online project.

Presenter: Vandana Sood-Giddings

9:30am – 9:55am

PAPER: **Examining a Machine's Future's Associated Cost: Cultural & Environmental Resource Extraction**

Albuquerque Museum: Auditorium

The entire globe is experiencing a devastating loss of species and ancient cultures that is tied to humankind's collective growth and technological march forward. The strength of the visual arts lies both in its potential to communicate across cultures and in the ability of objects to physically illustrate and theoretically illuminate often hidden processes, connections and costs.

Presenter: Daniel Richmond

9:30am – 9:55am

ECN PAPER: **T/Act: Participatory Media Design for Social Empowerment**

Albuquerque Museum: Special Events Room

This paper presents research into the social effects of a collaborative participatory design process with selected individuals who have severe physical disabilities. This process encourages and enables creative expression by the participants beyond their everyday norms. They are able to control media such as audio and video through custom made bespoke interfaces, which they help to design and develop. Can a disruption of institutionalised conditioning according to class, education, gender and physical abilities be orchestrated by careful design and presentation of interactive artworks? Can the new media artwork become a culturally significant tool for social empowerment leading to long lasting changes for the individuals involved?

Presenter: Andy Best-Dunkley

10:00am – 10:25am

ECN PAPER: **Games for Liberation: Strategies for Education Toward Critical Consciousness Through Play**

Albuquerque Museum: Auditorium

Games for learning are often oriented towards normative school curricula and do not engage players beyond simple reward systems, but there are other ways to think about play that are deeper, more robust, and more meaningful. As potential sites for critically-minded, open-ended play, alternate reality games float in discursive space between game and not-game, creating environments for meaningful play that transcend current frameworks of education through games and create the potential for truly liberating play. This paper lays the foundation for the praxis of games for liberation, building from contemporary research and theory from fields in both games and education.

Presenter: Cayden Mak

10:00am – 10:25am

PAPER: **The Wilderness at Home**

Albuquerque Museum: Special Events Room

In this paper I suggest that we need a complex, fractal-like intermingling of the wilderness and city in both real and virtual space in order to create a sustainable future for human beings on the earth. I discuss Mrs. Squandertime, a persistent simulation/stimulation of the slow alpha state that is conjured by watching nature without purpose, as an example of such an intermingling.

Presenter: Josephine Anstey

10:00am – 10:25am

GRD TALK: **Cover Fire: A Survey of Blackouts**

Explora: Multipurpose Room

The word 'curfew' originated from 'couvre-feu', a French term that means 'cover fire'. Historically, as early as the 11th century in Europe, curfew was enforced through the use of warning bells which signified the time to put out all fires, thereby blacking out the village. The blackout created a form of security in which the inability to see ensured the inability to move, especially on moonless nights. This presentation will explore the blackout as a form, function, and concept. From pre-industrial night, tangents will be taken to electrical failure, the bottom of the ocean, global black spots, solitary confinement, and death.

Presenter: Carrie Hott

11:00am – 12:30pm

ECN KEYNOTE PANEL: **Econotopias: Imagining Possible Futures Through the Creative Economy**

Albuquerque Museum: Special Events Room



The "creative economy" is an evolving concept, capturing the effects of intellectual capital as it interfaces with the arts, culture, business and technology. The speakers on this featured panel explore the topic through diverse perspectives. OurGoods.org co-founder Caroline Woolard talks about the problems and possibilities of non-monetary exchange while Denis Roio, a.k.a. Jaromil, a software developer, artist and activist illustrates the technical and political aspects connected to Bitcoin, an experimental digital currency that uses peer-to-peer

technology to bypass central authority. Ted Howard, listed as one of "25 visionaries who are changing your world" in the Utne Reader, will discuss his role in the Evergreen Cooperatives of Cleveland, Ohio, an innovative model of community wealth building and sustainability.

12:00pm – 6:00pm

Meeting Minds Tech Lounge

Hotel Albuquerque: Potters Room

1:00pm – 2:30pm

FEATURED PANEL: **What We Learned: The Changing Landscape of Curatorial Practices**

Albuquerque Museum: Special Events Room



As the role of the artist in society changes in response to global trends, communications and markets, how has the curatorial process altered? Have biennials, premised on the mobility of people, goods and ideas as an inherent good, served their purpose? Panelists take on the culture industry, audiences and the market in a discussion of the problematics of contemporary curation. Excessive demands of the global marketplace and nostalgic ideas of “art for the people” test both artist and audience. *What We Learned* charts how these



tensions emerge and what critical players are doing in response. Co-presented with The Albuquerque Museum of Art & History. Panelists are Irene Hofmann, Director, SITE Santa Fe; Nancy Marie Mithlo, Associate Professor of Art History and American Indian Studies, University of Wisconsin-Madison; and special guest Dannys Montes de Oca Moreda, Curator of the 2012 Havana Biennial, moderated by Andrew Connors, Curator of Art, The Albuquerque Museum of Art & History.

1:05pm – 1:30pm

ECN PAPER: **From Mechanical Turk to Local Communities: How A Shift in Economies Transformed the Alternative Olympic Games**

Albuquerque Museum: Auditorium

In 2008 I crowd sourced an Olympics-style competition among members of the Amazon.com Mechanical Turk virtual workforce, the Mechanical Olympics. At an ISEA round table discussion in Belfast in 2009 I met a curator from Cornerhouse who took an interest in the project. Subsequently, it was recreated in Manchester, UK for the Abandon Normal Devices festival in 2010. A discussion of the project returns to ISEA in regards to the ways in which it changed during its transformation from one economic infrastructure, Mturk.com, to another, the Legacy Trust UK, UK National Lottery/Big Lottery Fund.

Presenter: Xtine Burrough

1:05pm – 1:30pm

ECN PAPER: **How to Generate PR for an Ephemeral Award and Exhibition System**

Explora: Multipurpose Room

Terminal (www.terminal.apsu.org) is a space sponsored by the Department of Art and the Center of Excellence in the Creative Arts at Austin Peay State University in Clarksville, TN. Its mission is to showcase and examine internet and new media art. Annually, Terminal gives out four \$500 awards for the creation of new internet artworks. Since its founding in 2007, Terminal has had difficulty building an audience, both inside and outside of the art world. This paper will explore the difficulties in generating PR for an ephemeral award and exhibition system and strategies to get important work the attention it deserves.

Presenter: Barry Jones

1:05pm – 1:30pm

RC PAPER: **In the Beginning or...: The Cosmic Stories We Tell And Their Implications**

Hotel Albuquerque: Weavers Room

What are the stories we tell today about the origin(s) and structure(s) of the cosmos? Is there a connection between cosmological models and the socio-political landscape in which they emerge and continue to be told? Do these stories affect our relationship to this planet and one another and if so, how? Must we be locked into a system of a singular master narrative in describing the cosmos, or can we imagine the possibility of the coexistence of narratives that are seemingly incongruous but allow us to embrace the complexity of information available?

Presenter: Sheila Pinkel

1:15pm – 2:30pm

GRD PANEL: **The Provincial and the Providential: Buffalo as Wilderness**

Harwood Art Center: Dining Room

Buffalo, NY presents a canvas for potential radical change, radically revised futures, radically alternative systems and most importantly, cultural practices that exist outside of any concept of the conventional market. This panel features practitioners and theorists based in Buffalo, whose work concerns the intersection of environmental, economic, cultural and technological factors in the revitalization and redefinition of the city in which they live. Panelists will sketch their forays into Buffalo's wilderness, and discuss how their recent projects respond to and shape the city.

Presenters: Jordan Dalton, Liz Flyntz, Cayden Mak & Anna Scime moderated by Paul Lloyd Sargent

1:15pm – 2:30pm

GRD PANEL: **The Matter of Technology**

Hotel Albuquerque: Turquoise Room

With the onset of cloud computing and the increasing ubiquity of our technology we are increasingly consuming electricity and natural resources, with the relationship between our gigabytes of storage and our carbon footprints easily overlooked. Is the cloud the green alternative or a dark storm brewing? With avatars in Second Life generating a carbon footprint up to three times that of an individual in the developing world then perhaps it's time to take a closer look at The Matter of Technology. The panel convenes artists, technologists and activists to present their practices and consider our complex relationship with technology.

Presenters: Tara Baoth Mooney, Ruth Catlow, Claire Cote, Anna Keleher & PLAND, moderated by Anita McKeown

1:15pm – 2:30pm

ECN WORKSHOP: **Alternative Art Economies: Economics in the 4th Dimension**

Natural History Museum: Sandia Room

In mathematics, the Klein bottle is a non-orientable manifold that lives in four dimensions, a continuous surface of which neither inside nor outside can be consistently defined. Economics in the 4th Dimension uses the Klein bottle as metaphor for describing the internal and external transformations necessary to move towards a different set of economic relationships. The workshop will include an interactive exercise related to terms of the Solidarity Economy alongside an activity on Threeing, a model developed by pioneering video artist and cybernetic theorist Paul Ryan to assist artists and others in understanding group dynamics and building sustainable collectives.

Presenter: Erin Marie Sickler

1:40pm – 2:05pm

GRD PAPER: **Cascading Memorials: Urbanization and Climate Change in San Diego and Beyond**

Albuquerque Museum: Auditorium

Cascading Memorials (www.ruthwallen.net/cascade) offers a public space to mourn the devastatingly rapid changes to terrestrial environments due to the combined effects of climate change and urbanization. Memorials to specific sites are designed to capture the viewer's attention, ignite curiosity and provide questions for reflection. This grief over the immensity of our losses can inform the design of technologies and build socio-political institutions that insure sustainable futures where all species may flourish.

Presenter: Ruth Wallen

2:15pm – 2:40pm

PAPER: R.I.P.: A Case Study in Facilitating Multi-Disciplinary Collaboration

Explora: Multipurpose Room

This paper explores the themes of recycling pervasive media, intervening in planned obsolescence and practicing technological sustainability (R.I.P.) in the context of an event held by the same name during the summer of 2011 at the Banff Center of the Arts. R.I.P., the workshop, was an event organized by Katherine Moriwaki, Jonah Brucker-Cohen and Susan Kennard which brought together a multi-disciplinary group of artists, thinkers and municipal workers to focus on reclaiming "good garbage" from waste facilities and integrating it into new public installations in urban space.

Presenter: Katharine Moriwaki

3:00pm – 4:00pm

TSH KEYNOTE TALK: Fritz Haeg**Animal Estates**

Albuquerque Museum: Special Events Room



Fritz Haeg's work has included edible gardens, public dances, educational environments, animal architecture, domestic gatherings, urban parades, temporary encampments, documentary videos, publications, exhibitions, websites and occasionally buildings for people. For the *Trans-Species Habitats* theme,

he will speak on his *Animal Estates* project, a housing initiative for native animals in cities around the world, which debuted at the 2008 Whitney Biennial.

4:05pm – 4:30pm

ECN PAPER: **The Ordinary (R)evolutionary Needs of the People**

Explora: Multipurpose Room

In the mid-sixties, an experimental student program at San Francisco State College put community organizing and everyday life at the center of education. Students worked in city neighborhoods, learning about economic and social forces affecting others, and developing creative actions. Money was effectively diverted from the college/state to sites off campus. The program's students saw themselves as part of a revolutionary process. Poised at the historical transition between industrial and biopolitical production, and between hippie culture

and the contractions of the 70s, this little known program offers speculative lessons about corporeality and affect to education in a digital age.

Presenter: Sarah Lewison

4:15pm – 5:15pm

ECN PANEL: **Alt.Economy? Questioning New Models of Cultural Production**

Harwood Art Center: Dining Room

As the economy forces us to continue searching deeper into our pockets, more sustainable systems of exchange and cultural production are being created, shifting public consciousness on how we think about money, labor and community. From crowdsourcing models of microfinance and productions based on collective pooling of ideas and resources to swap shop styled innovations on more traditional models of barter, exchange and cultural production are being re-evaluated on a global scale. What new paradigms are emerging and how they can be evaluated will be highlighted in this roundtable session of rapid fire presentations by artists, designers and cultural producers, followed by an open discussion with both presenters and audience.

Presenters: Amanda McDonald-Crowley, Stephanie Pereira, Renée Ridgway, Caroline Woolard & Christina Worsing

4:15pm – 5:15pm

ECN PANEL: **You are. I am. Everyone is: The Authorless as Producer**

Hotel Albuquerque: Turquoise Room

This panel posits that tactics utilized by the hacker network(s) often identified as Anonymous are a response to the terrifying, creative and destructive processes of modernization. We will discuss Anonymous' history of exploiting the idealized "democratizing" technologies of social networking sites, as well as their GIF, image-macro, and Internet-prank-art, especially in light of recent spillover IRL within the Occupy movement, as a practice of revolutionary cultural production.

Presenters: Rene Abythe, Jon Cates & Marco Deseriis moderated by Paul Lloyd Sargent



4:15pm – 5:00pm & 5:30pm – 6:15pm

PERFORMANCE:

David Moss - Hyperglyphx

Natural History Museum: Planetarium

See page 9.

4:40pm – 5:05pm

PAPER: **Indexical Pleasure: Another History of Color**

Explora: Multipurpose Room

This paper focuses on the importance of using color to manufacture consumer desire and political ideology. Tracing color history from Cold War Berlin to contemporary color forecasts, the paper pays particular attention to recent trends in color use, where extremely specific colors can be indexed, collected and referenced in a streamlined approach that is more flexible and sustainable.

Presenter: Joelle Dietrick



6:30pm – 10:00pm

ISEA2012 Gala

Anderson-Abruzzo
Albuquerque International
Balloon Museum

See page 29.

Miwa Matreyek
Myth and Inrtructure

8:00pm – 11:00pm

OUTDOOR SCREENING: **Trade Winds Revival: Stopping and Staying**

Octopus Car Wash, 5308 Central Ave. SE, east-facing wall

Friends of the Orphan Signs members Ellen Babcock and Jessamyn Lovell use the old Trade Winds Motor Hotel lot as the site for the outdoor projection of short videos solicited from the local public that respond to the theme of stopping and staying. These videos are projected onto four different channels along the long, white, east-facing wall of the Octopus Car Wash. Corresponding to four visual projections are soundtracks transmitted over different FM frequencies using FCC part 15 transmitters. The public is invited to drive in, park and watch the programs. ISEA2012 buses returning from the Gala will stop in.

10:00pm – 2:00am

Late Night Lounge

Hotel Andaluz: Club Ibiza & Rooftop Lounge

Hotel Albuquerque: Q Bar

FRIDAY ARTIST TALKS

For descriptions, visit www.isea2012.org

Harwood Art Center: Dining Room

- 10:20am Laura Curry: **The Agreement**
- 12:40pm Chris Galanis: **Donkey Walking: Interspecies Collaboration and the Re-Wilding of Graduate School**
- 2:35pm Meridith Hoy: **Eco-Locative**
- 5:20pm Dawn Roe: **The Tree Alone**

Hotel Albuquerque: Fireplace Room

- 9:00am Ruth West: **Blending Participatory Culture and Urban Ecology: Experiments in Collaborative Imaging for Urban Forest Monitoring**
- 9:25am Andrea Williams: **Soundwalks and Urban Sound Ecology**
- 9:50am Jared Winchester: **Forecasting Design: Architecture Defined by Entropic Processes**
- 10:10am Doo-Sung Yoo: **Part Human, Part Animal, Part Machine**
- 10:40am Jody Zellen: **From Net Art to Mobile Art**
- 12:00pm Peter Anders: **Inspiration and Influence: Learning from an Online Peer-Juried Design Competition**
- 12:25pm Brian Davis: **I Don't Care About the Avant Garde, I Only Care About You**
- 12:50pm Paul Jacobs: **The Art With Conversation**
- 1:15pm Terri Lindbloom: **Nobody Will Hurt You**
- 1:40pm Will Luers: **Constructing "Film of Sound"**
- 2:05pm Victoria Moulder: **Babylonia, 2012**
- 2:30pm Anat Pollack: **"objet petit a" Series**
- 4:00pm Shawn Decker: **Sound, Steam, Sun and Motion: Recent Public Art Projects**

Hotel Albuquerque: Turquoise Room

- 9:00am Sean Clute: **Audiovisual Performance**
- 9:25am Grisha Coleman: **actionstation2.5 – The Desert**
- 10:00am Marina Zurkow: **Gila 2.0: Warding Off the Wolf**

Hotel Albuquerque: Sandia Room

- 9:00am Xtine Burrough: **Browser Poems**
- 9:25am Meredith Drum & Rachel Stevens: **Feral City: AR and Significant Otherness**

- 9:50am Terry Flaxton: **The Cinematographer's Eye, the Academic's Mind and the Artist's Intuition**
- 10:10am Jordan Geiger: **Magnitudes**
- 10:40am Jefferson Goolsby: **Live Interactive Cinema Performance & Composition**
- 12:00pm Jeanne Jo: **Database Cinema and Experimental Narrative**
- 12:25pm Peggy Keilman: **Wildlife: Near and Far**
- 12:50pm Shawn Lawson: **Computational Sublime**
- 1:15pm Rachel Mayeri: **Primate Cinema**
- 1:40pm Jennifer Parker: **OpenLab: Art + Astrophysics**
- 2:05pm Marco Pinter: **Object Permanence: Using Graphics and Robotics to Explore Visual Cognition**
- 2:30pm Bart Woodstrup: **Climate Control: Weather Damage Modification Program**
- 4:00pm Nina Yankowitz: **Truth or Consequences / A Global Warming Interactive Game**
- 4:25pm Shiloh Ashley: **Disorientalism Collaboration - The Food's Group's Maiden Voyage**
- 4:50pm Silvana Carotenuto: **Female Kosmos: An Archive of Natural Elements**

Hotel Albuquerque: Weaver's Room

- 1:35pm Jonah Brucker-Cohen: **Hacking The School Yard: Scrapyard Challenge Junior Maker Kits**

Natural History Museum: Sandia Room

- 10:20am Pauline Jennings: **Double Vision Intermedia Performance**
- 12:40pm Haein Kang: **Null Point**
- 4:00pm Kristin Stransky Mallinger: **Bone Machine: Bodies and Tech**
- 4:25pm Nina Waisman: **Moving Logic: Choreographing Thought in a World of Physical Computing**
- 4:50pm Linda Weintraub: **Hear All About It: Publication of First Eco Art Textbook**
- 4:55pm Annina Rüst & Amy Alexander: **The Secret Nightlife of Solar Cells**



ISEA2012 Gala

Friday, September 23, 6:30pm – 10:00pm

Anderson-Abruzzo Albuquerque International Balloon Museum



Le Chat Lunatique

Albuquerque's Le Chat Lunatique describes themselves as, "an addictive genre we call 'filthy, mangy jazz.' Le Jazz Hot of Django Reinhardt and Stéphane Grappelli are our north star... we use that beacon to navigate through a wide range of genres, blending Western swing, classical, reggae and doo-wop."

Mexican Space Collective



Installation reception for the artists, including Juan José Díaz Infante, Marcela Armas, Arcangel Constantini, Gilberto Esparza, Ivan Puig and Hugo Solis.

Imploding Recycled Plastic Dependable

Evoking the specters of Paul Sharits, Elias Romero, Andy Warhol and Stan Vanderbeek's *Movie-Drome*, Basement Films' multiprojector happenings revisit a pre-digital moment in time, eclipsing the tyranny of ones and zeros.

Balloon Glow

7:00pm – 7:30pm

Myth and Infrastructure

8:00pm & 9:00pm

Myth and Infrastructure is a multi-media, live performance using projected animation. As Miwa Matreyek walks behind the screen, her shadow becomes an integral part of the fantastical world she has created, traversing oceanscapes and cityscapes as she conjures magical scenes with light and shadow.

Tweets in Space

8:30pm

During a live, interactive performance, Scott Kildall and Nathaniel Stern will send Twitter messages from participants worldwide towards an exoplanet 20 light years away that can support extraterrestrial life.

Roustabout Arts Collective

9:00pm – 10:00pm

Check out circus wanderers who perform whirling fire, spinning Poi, spiraling hoops and more!

Catering by Slate Street Café

8:00am – 5:00pm

Registration

National Hispanic Cultural Center (NHCC):

Education Building Lobby

8:45am – 9:00am

ISEA2012 Latin American Forum Introduction

NHCC: Ballroom, Education Building

9:00am – 5:00pm

LAT LOOPED SCREENING: **Low Lives**

NHCC: Classroom 123, Education Building

This looped program during the ISEA2012 Latin American Forum features a selection of videos from the Low Lives networked performance series, curated by Jorge Rojas, Founding Director of Low Lives. The program includes performance videos from over 30 international artists as they were streamed live. The themes they address are widely varied, but they all explore aspects of human and social makeup, and our relationship with technology. Artists include Annie Abrahams, Lukas Avendaño, Tzitzí Barrantes, Profesor Bazuco, Black & Jones, The Emerge Collective, Tutu-Marambá, Kristin Lucas, Marisol Salanova, Rosa Sanchez & Alain Baumann, Second Front, and Martin Zet among others. www.lowlives.net

Curated by Jorge Rojas

9:00am – 9:25am

LAT Paper: **Research 360 Interaction and Virtual Reality Environment, Analysis of Interaction Models and Functional Prototyping Methodology**

NHCC: Classroom 122-124, Education Building

The research explores how the use of technology platforms enables the ownership and development of fields of interaction and interface design, the development of different virtual reality environments was planned, so it allowed a glimpse of how the analysis for formal and digital structure today is not only happening by the ratio of feedback, but by the interface, gesture and control supported in virtual media spaces. Research 360 poses the evolution into a new type of environments of synesthetic character. To examine these hypotheses in the research there were a series of prototypes that corroborate and rethink some of the ideas these parameters were developed under functional prototyping methodology, which is described briefly at the end of the document.

Presenter: Mario Valencia

9:00am – 10:15am

LAT DYN PANEL: **Mapping with Balloons and Kites**

NHCC: Classroom 125, Education Building

Regarding the history of technology in Latin America one remarkable fact is related to the first pioneers of balloons and lighter-than-air devices in Brazil, that is the inspiration for this panel. Panelists include Bruno Vianna, Rodrigo Minelli, Andres Burbano and Danny Bazo. The moderator of this panel is Lucas Bambozzi who is the head of Arte.Mov Festival in Brazil. Sponsored in part by Instituto Cervantes.

Presenters: Lucas Bambozzi, Danny Bazo, Andrés Burbano, Felipe Fonseca, Rodrigo Minelli & Bruno Vianna

9:00am – 10:15am

LAT FEATURED PANEL: **Brazilian Artists and Curators**

NHCC: Education Center Ballroom, Education Building



This talk features women artists and curators from Brazil. Giselle Beiguelman (PhD in History from the University of São Paulo) and curator Priscila Arantes (Adjunct Director of the Museum of Image and Sound in São Paulo), mediated by Simone Osthoff (Associate

Professor of Critical Studies in the School of Visual Arts at the Pennsylvania State University) speak on the international art scene, offering the public a chance to see dynamic dialogues about contemporary media art from first-hand experiences.

9:00am – 12:00pm

LAT DYN WORKSHOP: **Portables Devices**

NHCC: Classroom 129, Education Building

Portables is a curatorial project which arises as an emergency to make visible the artistic practices that involve appropriation, reuse and development of tools and techniques emerged from the information technology and communication as well as to generate collective experiences between artists, researchers and the community at large. People can then exchange opinions to determine relationships and distinctions between devices generated by this industry and currently developed by artists and researchers. The workshop will include portable devices and a curatorial presentation of an exhibition held at the National Museum of Fine Arts in Chile and a cognitive mapping session.

Presenter: Ignacio Nieto

9:30am – 9:45am

LAT TALK: **Sauti ya Wakulima: Using Mobile Phones to Strengthen the Social Context of Rural Agriculture in Tanzania**

NHCC: Classroom 120-121, Education Building

The e-agriculture project *Sauti ya wakulima* means “the voice of the farmers” in Swahili. The latest scientific findings acknowledge that in order to find a sustainable way of producing food in the future, it will be necessary to understand agriculture as a complex system which, besides economic and ecological factors, also includes the social context of rural farming communities. *Sauti ya wakulima* adopts this vision by establishing an open and participative research process, in which a group of farmers living near Bagamoyo, Tanzania, uses smartphones and a web platform to document their environment, and thus create a collaborative knowledge base.

Presenter: Eugenio Tisselli

9:30am – 9:55am

LAT TSH PAPER: **Learning from the Land: Experiments with American Agriculture**

NHCC: Classroom 122-124, Education Building

This presentation will explore site-specific work lead by Phoenix-based desert ArtLAB. Informed by history and native ecology, the interdisciplinary team engaged local residents in dialectic, performative, ecological interventions in urban desert space. Participants engage the environment, confronting the ecological and social realities of place, through the planting of the autochthonous prickly pear cactus. Desert ArtLAB has orchestrated the planting of over 150 cactai throughout Phoenix. Monitored over the course of a year, the cactai reveal the idiosyncrasies of place, politics and identity.

Presenters: April Bojorquez & Matthew Garcia

10:00am – 10:15am

LAT TALK: **De Ondas Y Abejas**

NHCC: Classroom 120-121, Education Building

Augmented reality is a way of both altering the visible and revealing the invisible. It offers new opportunities for artistic exploration through virtual interventions in real space. Media artist Silvia Ruzanka presents recent work that investigates the relationship between machine/technology and nature through the lens of augmented reality. Using technologies including cellphones, telegraphs, and tiny stereoscopic projections, these projects explore invisible phenomena ranging from Spiritualism to bee colony collapse disorder.

Presenter: Silvia Ruzanka

10:05am – 10:30am

LAT PAPER: **Language and Magic: An Archaeological Approach to Tania Candiani's Work**

NHCC: Classroom 122-124, Education Building

Although misconstrued and permanently opposed to scientific means, magic operates inherently in the technological. Tania Candiani's *Organum* is an artwork that aims to propitiate this magical experience within an artistic enunciation; at the same time, it fosters a discussion on the sonorous dimension of language. *Organum* shifts between systems and forms of experience; being an artifact that resembles a musical organ, it offers language as mechanic sound and thus creates a magical experience to speech. It also participates to a broader, historical relationship with musical organs as discursive objects, revealing symbolic relations between today and previous forms of understanding technology.

Presenters: Rodrigo Guzman & Mariana Perez Bobadilla

10:45am – 11:00am

LAT PAPER: **Medios de Comunicacion Cultural Independientes Escaner Cultural y Comunidad Abierta ACT**

NHCC: Classroom 122-124, Education Building

Open Community Arts, Science and Technology is a space and a resource for the diffusion, formation and analysis of the daily themes and practical uses related to art and new media. Our objective is to gather and collaborate using tools with a large quantity and quality of relevant information gathered and supported by the community. Creating a shared space for content and relationship development for individuals interested in the intersections of not only art and science, but also science, philosophy, the environment and the corresponding responsibilities that new media presents our society. Housing a community comprised of artists, theorists, educators, managers, engineers, researchers, programmers, sociologists and/or any person involved with the mentioned roles.

Presenter: Yto Aranda

10:45am – 11:45am

LAT PANEL: **Latin America and Cybernetics**

NHCC: Bank of America Theater, Performing Arts Building

In different countries in Latin America there can be identified important contributions to the history of cybernetics, but there are no clear intellectual efforts to explore if those contributions have been interconnected. Speakers include Eden Medina (Indiana University Bloomington) on applied cybernetics in Chile in the 1970s, Susana Quintanilla (Departamento de Investigaciones Educativas del CINVESTAV) on her research on the Mexican scientist Arturo Rosenblueth, Eduardo Bayro

Corrochano (CINVESTAV Guadalajara) on his current advanced research on cybernetics and robotics, and Pablo Colapinto (UC Santa Barbara) on his research about the first Art and Cybernetics exhibition in Argentina in the 1970s. Sponsored by Doctorado en Diseño y Creación and Universidad de Caldas.

Presenters: Eduardo Bayro Corrochano, Andrés Burbano, Pablo Colapinto, Eden Medina & Susana Quintanilla

10:45am – 12:45pm

LAT FEATURED PANEL: **Technotopia: The Colonization of the Body as the Ultimate Frontier**

NHCC: Education Center Ballroom, Education Building



Under the sign of “The Body as a Colonized Space,” Coco Fusco (Performance Artist and Professor, Parsons New School of Design), Miguel Gandert (Professor, Director of the UNM Interdisciplinary Film & Digital Media Program), Vicki Gaubeca (Director, ACLU Regional

Center for Border Rights), Manuel Montoya (Professor, Global Structures, UNM Anderson School of Management) and Adriana Ramírez de Arellano (Professor, UNM Anthropology Department, Women Studies and IFDM Programs) join minds, lenses and methodologies to de-construct, denounce and reclaim the use of technologies to problematize the Southwestern border of the United States, not merely as an epistemic or aesthetic site, but in its incarnation as a no-man’s land where late capitalism and empire merge, unleashing a techno-liberal assault upon the surplus of discardable bodies. Sponsored in part by the UNM Interdisciplinary Film & Digital Media Program.

11:05am – 11:30am

PAPER: **Gambirarra and the Prototyping Perspective**

NHCC: Classroom 122-124, Education Building

Presenter: Gabriel Menotti

11:15am – 11:45am

LAT TALK: **Kosmica Mexico**

NHCC: Classroom 120-121, Education Building

Kosmica brings together earth-bound artists, astronomers, performers, space explorers and musicians from Mexico, the UK, France, Germany and the US, and is programmed by the artist Nahum Mantra and The Arts Catalyst (UK) in partnership with the Laboratorio Arte Alameda, INBA (Mexico). For its first edition in Mexico City on 27 September, KOSMICA will see over 15 participants actively working in cultural and artistic aspects of space exploration. Urban stargazing, cosmic music, zero gravity dance, armchair space exploration, science fiction and DIY rocket science collide in a unique event that cannot be missed.

Presenters: Nahum Mantra & Nicola Triscott

LAT 1:00pm – 2:00pm

WORKSHOP: **Radio Chigüiro: Public Broadcast**

NHCC: Classroom 120-121, Education Building

Radio Chigüiro was a social platform for the distribution of Lafayette, Indiana’s “glocal” culture. It operated as a community radio, exploring youth practices associated with parties, live music shows, and free radio workshops by using a web site as a medium for contact, production and participation. Using basic computers, participants will learn to produce their own radio programs. The objective of the workshop is to instruct in easy and free resources for audio recording, editing and broadcasting.

Presenter: Esteban Garcia-Bravo

1:15pm – 2:30pm

LAT DYN WORKSHOP: **Mapping with Balloons and Kites**

NHCC: Classroom 125, Education Building

Regarding the history of technology in Latin America one remarkable fact is related to the first pioneers of balloons and lighter-than-air devices in Brazil, that is the inspiration for this panel. Panelists include Bruno Vianna, Rodrigo Minelli, Andres Burbano and Danny Bazo. The moderator of this panel is Lucas Bambozzi who is the head of Arte.Mov Festival in Brazil. Sponsored in part by Instituto Cervantes.

Presenters: Danny Bazo & Bruno Vianna

1:15pm – 2:30pm

LAT PANEL:

Open Laboratories, Laboratorios Abiertos

NHCC: Education Center Ballroom, Education Building

Representatives from open labs in Latin American countries share their experiences and teach workshops, including: “Open Solar Circuits” taught by Leslie Garcia from Tijuana, Mexico, and “TAG” taught by Gabriel Zea from Bogotá, Colombia, a workshop about tagging objects in public spaces. There will be other contributions to the panel by Felipe Cesar Londoño from Universidad de Caldas in Colombia and Ricardo Dal Farra from Universidad de Tres de Febrero in Argentina.

Presenters: Felipe Cesar Londoño, Ricardo Dal Farra, Felipe Fonseca, Leslie Garcia, Gabriel Zea & Camilo Martinez

1:15pm – 2:30pm

WORKSHOP: **Wai**

NHCC: Classroom 122-124, Education Building

Humanity and Earth are at an important juncture: the intersection of past unsustainable approaches to environment and the potential for a sustainable future. An important factor in these issues is listening to the voice of indigenous people on the subject of environment. It is quite clear that the West will not by

its own means resolve climate change issues. Dr Te Huirangi Waikerepuru, a highly respected Mori Kaumatua (elder) from Aotearoa New Zealand will lead a session based around indigenous concepts of *Wai* – water or flow.

Presenter: Ian Clothier

2:45pm – 3:45pm

EDU WORKSHOP: **Water - Testing, Purification and Creating Art Workshop/Special Activity**

NHCC: Classroom 122-124, Education Building

With our purified water, we will tend to the plants at our site and talk about a variety of ways to save on the water we use for gardening. We will then explore the use of water in art, through two projects based on water. In the first project, we will draw pictures with water on paper, and then make the images visible by adding ink to the water. In the second project, we will mix water with sand to make molds that depict machinery or technology. In this interplay between art, nature and machine, we will use a natural element (sand) to illustrate technology.

Presenter: Marybeth Howe

2:45pm – 3:45pm

LAT TALK: **Navajo Code Talkers and Technology**

NHCC: Education Center Ballroom, Education Building

The Latin American Forum at ISEA2012 is proud to host Bill Toledo, Navajo Code Talker. The history of Native American Code Talkers remains as one of the most complex and intriguing interactions between indigenous communities and the geopolitical challenges that characterized the XX century. This conversation with Bill Toledo is not only an opportunity to engage with his personal history and the context of his work as a code talker, but is also an opportunity to explore topics related to the nature of language, code and computation. This presentation highlights the renovation of the discourse about Latin American understanding with the richness of the Native American Cultures.

Presenters: Bill Toledo, Andrés Burbano & Esteban Garcia-Bravo

3:00pm – 3:20pm

LAT PAPER: **Can the Arts Help Save the World? Artists and the Environment**

NHCC: Classroom 120-121, Education Building

The electronic arts could become a powerful tool of awareness and transformation in times of ecological threats. Can the electronic arts help to save the world? As an outcome of the BALANCE-UNBALANCE conference, a large project involving artists with the Red Cross/Red Crescent Climate Centre humanitarian organization is being developed. The conferences brought together artists, scientists, economists, philosophers,

politicians, sociologists, engineers, managers and policy experts with the intent of engendering consciousness and creating lasting intellectual working partnerships in solving our global environmental crisis. Using art as a catalyst, these two conferences explored intersections between nature, art, science, technology and society. Do you want to know more or eventually join us? The project will be introduced during this presentation, when full information will be available and our next steps will be presented.

Presenter: Ricardo Dal Farra

3:15pm – 3:25pm

LAT TALK: **Post-dystopia: Language, Sound and Machines**

NHCC: Classroom 125, Education Building

Post-dystopia: Language, sound and machines is a larger research/creative project that I have been developing after my study of Samuel Beckett's work in electronic media; my interests in contemporary-news-organizations as data-build-structures that do the inventory of our time; language in four of its forms: as communication tool, as data [spoken and/or written data], as pure sound, and as a social construction; and my interest on what I call the collapse of the Mexican Nation/State and the rise of [i]legitimized violence: the domestication of violence and how media is crucial in legitimizing both.

Presenter: Luz Maria Sanchez Cardona

3:25pm – 3:45pm

PAPER: **Digital Anthropophagy**

NHCC: Classroom 120-121, Education Building

Presenter: Vanessa Ramos Velazquez

4:15pm – 4:40pm

LAT PAPER: **On the Bridge Between Bolivia and Computers**

NHCC: Classroom 120-121, Education Building

iAuthor was released to create interactive textbooks, but it has great potential for art books. I will discuss the media and interactive features on the iBook that enhance an artist's ability to tell their story, for example: video; music; voice-over; interactive Keynote presentations, which can have hot spots that link to other slides and individual objects that can move; links to sections of the book, or to web page and the ability to zoom into an image, The iBook can be a compelling, inexpensive format to present artists' work and catalogs.

Presenter: Lucia Grossberger Morales

4:50pm – 5:15pm

LAT PAPER: **Unfolding and Unwinding: A Perspective on Generative Narrative**

NHCC: Classroom 120-121, Education Building

Interaction with aesthetic artifacts produced by computational systems depends on processes of simulation that complement and expand human sensorial modalities but that are fundamentally intellectual processes. Therefore, anticipation, the validation of simulations and the violation of expectations, may play a significant role in the creation of narratives or of narrative like experiences by humans. This paper proposes an approach to how the creation of narrative can be understood in the context of performance or interactive generative systems, in an attempt to study the perspective variable, originally proposed by Espen Aarseth in his study of ergodic texts.

*Presenter: Miguel Carvalhais***SATURDAY ARTIST TALKS***For descriptions, visit www.isea2012.org***NHCC: Bank of America Theater, Performing Arts Building**

- 9:00am Ivan Puig & Andrés Padilla Domene: **SEFT-1**
- 9:45am Miguel Palma: **Desert Exploration Vehicle**
- 10:30am Agnes Chavez & Alessandro Saccoia: **(x)trees**
- 1:15pm Marcela Armas, Gilberto Esparza, Arcangel Constantini, Ivan Puig & Juan Jose Díaz Infante: **Mexican Space Collective**
- 2:15pm Joana Moll: **Texas Border**
- 3:00pm Alexander Glandien: **ZONE**
- 3:15pm Bruno Vianna: **Ionic Satellite Fountain**
- 3:30pm Jorge Rojas: **Low Lives**

NHCC: Classroom 120-121, Education Building

- 9:00am Carlos Rosas: **I Think I Got IKEA'd Project: If Loss Could Weigh**
- 10:30am Fred Paulino, Lucas Mafra & Paulo 'The Goose' Pessoa: **Gambiologia Project**

NHCC: Common Area, Education Building

- 9:00am Josephine Anstey: **Improving Consciousness**
- 9:25am Ed Osborn: **Albedo Prospect**
- 9:50am Tatsuo Unemi: **An Automatic Evolutionary Art**
- 10:10am Joanna Cheung: **Chance + Participation = Magic**
- 10:40am Lyn Goeringer: **Site Unseen: The Everyday and EMF**
- 11:05am Sander Venhof
- 12:00pm Matthew Hawthorn: **The Pathetic Landscape**
- 12:25pm Jan Mun: **BeeSpace: Audio Observation**
- 12:50pm Martin Rieser: **Secret Garden**
- 1:15pm Sara Schnadt: **Invented Landscapes**
- 2:05pm Ron Bull: **(re) Shaping and (re) Articulating Traditional Economy**
- 2:30pm William Wilson: **eyeDazzler Project**
- 2:55pm Tiffany Holmes: **Eco-Visualization: Using Art and Technology to Promote Environmental Stewardship**

RELATED EVENT

Friday & Saturday, September 21 & 22, 6pm-midnight

MUSIC FESTIVAL: ¡Globalquerque!

National Hispanic Cultural Center



¡Globalquerque!, New Mexico's 8th Annual Celebration of World Music and Culture, is a multi-night festival featuring three stages of entertainment with performers from around the world. Drop



by after ISEA2012's Latin American Forum on Saturday night and enjoy music from Bombino (Niger), Bettye LaVette (USA), R. Carlos Nakai Earth Sound Ensemble (Navajo-Ute/Mongolia/UK), Los Gaiteros de San Jacinto (Colombia), Plena Libre (Puerto Rico), Razia (Madagascar), Keith Secola Band (Anishinabe), Zeb and Haniyah (Pakistan), La Familia

Vigil (New Mexico) and more! Free Global Fiesta full of hands-on crafts, dance lessons and workshops (all day Saturday) and Global Village of Craft, Culture & Cuisine open throughout the festival.

TICKETS: \$30 available from NHCC Box Office, 505-724-4771. Saturday discount for ISEA2012 registrants (www.isea2012.org)
INFO: www.globalquerque.org

UNM-AREA EVENTS

See *ISEA2012 collaboration guide* or www.isea2012.org for descriptions. See UNM map on page 48.

Saturday, September 22, 4:30pm – 7:30pm:

RECEPTION: **ISEA2012 Exhibition: Artists' Residencies**
Rainosek Gallery, UNM School of Architecture & Planning

RECEPTION: **The Transformative Surface**
UNM Art Museum
with The Chuppers Electric Ensemble: *Circus Electrique*
Lobby of Popejoy Hall

RECEPTION: **Nicola Lopez: Power Tower**
Tamarind Institute

RECEPTION: **Hue Walker: FullDome Projects**
UNM ARTSLab

RECEPTION: **Myriam Tapp: Mémoire d'une Ville - Memory of a City**
John Sommers Gallery, UNM Art Building

Saturday, September 22, 4:30pm –
Sunday, September 23, 4:30pm

PERFORMANCE: **Frozen Music Ensemble: 24-hour Performance**

Duck Pond, Main Campus, University of New Mexico
See page 9.



Daniel Reeves, *Avatamsaka*, on view at UNM Art Museum

Above: Daniel Kahn & The Painted Bird and Canteca de Macao, will both perform at ¡Globalquerque!

8:00am – 5:00pm

Registration

516 ARTS

9:00am – 10:00am

EDU STEMArts Roundtable

Albuquerque Main Library

(Intel Education Day scholarship recipients required to attend and check in for the day.)

This roundtable discussion will explore how to incorporate STEM + Art into schools. Most agree that we need more interdisciplinary approaches and art-based methodologies in STEM education, and the ISEA2012 conference will surely fuel that desire. But how do we make that happen when we return to our classrooms and encounter the challenges of limited budgets and administrative support? Educators are invited to come explore solutions with educators who are pioneering thriving STEM + Art programs.

Presenters: Anita McKeown, Karin Moulton & Marie Reyna moderated by Scott Laidlaw

9:00am – 9:20am

EDU TALK: Research Gizmology Workshop: Making Kinetic Sculptures

Warehouse 508

Artist Steve Storz will speak and show images about the kinetic sculpture workshop he gave at Taos Academy with kids who built machines conjured from their imaginations. Using low voltage electronics and light duty power tools kids made: a robot with lighted top hat and rotating claw hand, a surplus Los Alamos Labs test device with electronic flowers growing out of it, a Paranormal Activity Imager, an Energy Portal with hand carved wooden gears and a Political Ping Pong sculpture using air to push a 'president' between rivaling parties and lots more. The sculptures are marvelous examples of the synergy that comes from combining STEM plus Art concepts.

9:00am – 9:25am

EDU PAPER: Media Arts in Support of Science Education
OFFCenter

This presentation examines the role of media arts in the development of interactive learning environments for science, technology, engineering and mathematics (STEM). Collaborative, interdisciplinary teams of artists, technologists and scientists developed novel interactive learning projects that educate the public on fundamental science (STEM) disciplines. Five interactive educational applications were designed based on the leading art and design concepts with a focus on user engagement, interactive design, and aesthetics principles. We

describe the role of art in the development of these projects and examine how artists can cross-disciplinary borders to collaborate in the development of innovative educational STEM learning applications.

Presenters: Julieta Aguilera & Dana Tsapikova

9:00am – 10:00am

EDU WORKSHOP: Brain-sight

Hotel Andaluz: Majoraca Room

Dr. Ken Wesson, S.T.R.E.A.M. educational consultant and neuroscientist, will discuss and demonstrate how we create images in the mind's eye. Recent experiments have shown that the sense of touch is as important as vision is in learning and processing information. Haptics is a relatively new field of study, which suggests that engaging more of the human senses in the classroom, not only will we deepen learning, but students learn faster and recall will be easier if we merge what we traditionally describe as unrelated sensory modalities. The protective functions of human skin are obvious, but our skin also has a more subtle learning purpose. "The power of the mind to create images is what art is all about." Workshop open to youth and adults.

9:00am – 10:00am

EDU WORKSHOP: Wai

Tricklock Performance Laboratory

Humanity and Earth are at an important juncture: the intersection of past unsustainable approaches to environment and the potential for a sustainable future. An important factor in these issues is listening to the voice of Indigenous people on the subject of environment. It is quite clear that the West will not by its own means resolve climate change issues. Dr Te Huirangi Waikerepuru, a highly respected Maori Kaumatua (elder) from Aotearoa, New Zealand will lead this session based around Indigenous concepts of *Wai* (water or flow). Workshop open to youth and adults.

Presenters: Ian Clothier & Dr. Te Huirangi Waikerepuru

9:30am – 9:45am

EDU TSH TALK: Making the Wild our Territory?

Warehouse 508

Dienke Nauta, from the ISEA2012 Visiting Artists Teaching Program, will discuss her workshop *Territories! Interactive Installations in the Wild*, in which students at Taos Academy used a variety of materials to translate personal stories into outdoor installations that respond to wind, water and sunlight.

9:50am – 10:10am

EDU DYN TALK: **Instant Messages**

Warehouse 508

Hip Hop playwright Idris Goodwin, from the ISEA2012 Visiting Artists Teaching Program, will discuss his process of working teens in NHCC's Voces program and Tricklock Company's Manoa Project in gathering evocative conversations found on social networking sites to create theatrically present these "digital dialogues."

10:00am – 10:20am

EDU TALK: **OneBeat Project**

OFFCenter

OneBeat is a new international cultural exchange that celebrates the transformative power of the arts through the creation of original, inventive music and people-to-people diplomacy. This year and next, around 30 exceptional young musicians from around the world will come together to write, produce and perform new music. The group will also lead engagement events with local youth, and develop strategies for using music to make a positive impact on our local and global communities. OneBeat is an initiative of the U.S. Department of State Bureau of Educational and Cultural Affairs (ECA), and is produced by Found Sound Nation.

Presenter: Christopher Marianetti

10:15am – 10:25am

EDU TALK: **CorpusElectric Collective: The Making of a Responsive Technology Fashion Performance**

Warehouse 508

Join a discussion with members from the CorpusElectric Collective (CEC), as they discuss the creation of reactive garments for an interactive fashion performance, created as part of the ISEA2012 Visiting Artists Teaching Program. The CEC—comprised of New Mexico Highlands Media Arts faculty and students, members of the Taos Runway Vigilantes and high school students from the Taos and Las Vegas STEMarts workshops—will discuss the process of creating technologically infused garments that change colors and respond to sound and light.

Presenters: Megan Jacobs, Miriam Langer & Nina Silfverberg

10:30am – 12:00pm

EDU KEYNOTE TALK: **Ariane Koek and Dr. Ken Wesson**

KiMo Theatre



Through a humorous, dynamic and multi-sensory presentation format, neuroscientist and S.T.R.E.A.M. educational consultant Dr. Kenneth Wesson offers educators the understanding and the tools needed to move beyond STEM, toward a creative, integrated and interdisciplinary learning model. Ariane Koek is arts director and founder of the Collide@Cern Artist Residency program at CERN, the world's largest particle physics laboratory in Geneva, Switzerland. She believes that artists and scientists are the perfect partners, and together can create new ways of looking and knowing about our world.

12:00pm – 12:10pm

EDU TALK: **AROS (Augmented Reality for Open Space)**

Warehouse 508

Augmented Reality in Open Spaces (AROS), a workshop and mural for the ISEA2012 Visiting Artists Teaching Program, explores culture and creative technologies in the open spaces of Albuquerque by working with local youth to create a mural that links to content on the web via Argon, an Augmented Reality browser. Students worked with Culturally Situated Design Tools (CSDTs) to learn standards-based math and computing, as they simulated designs that were combined to produce an outdoor mural for the Wells Park Railrunner Mural Project launched for ISEA2012. The experience of interacting with the mural through touchscreen, camera-enabled mobile devices, blends virtual and physical spaces and results in a greater appreciation for STEM learning, culture and art.

Presenters: Nettrice Gaskins & Laurie Marion

12:00pm – 1:45pm

TALK: **Wai: Understanding Maori and Indigenous Concepts of Water**

OFFCenter

Dr. Te Huirangi Waikerepuru, a highly respected Maori Kaumatua (elder) from Aotearoa, New Zealand will give this talk on Indigenous concepts of *Wai* – water or flow, which is the subject of the workshop earlier in the day (see page 36), and the art installation in the ISEA2012 exhibition at 516 ARTS.

12:15pm – 12:30pm

EDU TALK: **Myth and Infrastructure**

Warehouse 508

This talk is about *Myth and Infrastructure*, a multi-media, live performance using projected animation. As the artist walks behind the screen, her shadow becomes an integral part of a fantastical world. She traverses oceanscapes and cityscapes as she conjures magical scenes with light and shadow.

Presenter: Miwa Matreyek

12:30pm – 1:45pm

EDU FEATURED PANEL: **Digital Divide**

Albuquerque Main Library



Studies have shown that minority communities are less likely to have access to technologically advanced resources. Created by deeply ingrained social and economic disparities, this “digital divide” has already led to underrepresentation of minorities in science, technology, engineering and mathematics (STEM) fields, with the consequence that these students may be less prepared to compete and participate in the 21st century workforce. This panel discussion addresses issues of technological accessibility within minority communities, and proposes ways to make technology culturally relevant. Panelists are Sandra Begay-Campbell of Sandia National Laboratories, where she leads Sandia’s technical efforts to assist Native American tribes with their renewable energy developments; Tameka Huff of Sandia National Laboratories, where she works on knowledge management systems that are integral to helping organizations retain knowledge; Henry Rael, a community entrepreneur and organizer who works on issues of poverty, nutritional health issues, educational under-achievement and gang activity; and moderator Juan Abeyta, who has worked for 40 years with under-represented minorities in STEM fields.

12:30pm – 1:45pm

EDU GRD PANEL: **Catalysing Transdisciplinary Creative Technology Innovation For Real Social Change**

The Box Performance Space

SMARTlab will present a number of practices and projects that use creative technology innovation within educational (early learning to post-grad) and research contexts. Founded nearly twenty years ago at the BBC/Open University, the SMARTlab’s mission is to bring together teams of artists, scholars, technologists and policy makers to share a commitment to creative technology innovation for real social change. SMARTlab focuses on innovations in special needs education and lifelong learning: inventing new interfaces and learning models using creative tools and creative engagement strategies to address

the different learning styles of all learners, with all levels of intellectual and physical ability, across cultures and languages.

Presenters: Steve Benton, Tara Baath-Mooney & Anita McKeown

12:30pm – 1:45pm

EDU DYN SCREENING / Q & A: **Automorphosis**

KiMo Theatre

Join documentary filmmaker and art car artist Harrod Blank for a screening and Q&A. Blank is the co-founder of ArtCar Fest, one of the largest annual art car gatherings in the country, held every September in the San Francisco Bay Area. His most recent film *Automorphosis* looks into the minds and hearts of an inspiring collection of eccentrics, visionaries and just plain folks who have transformed their autos into artworks.

12:30pm – 1:45pm

EDU WORKSHOP: **Voice and Technology: A Spoon is Technology**

Tricklock Performance Laboratory

Participants discuss and experience ideas of technology and non-technology; voice and objects; black boxes and out-of-the-boxes. David Moss, considered one of the most innovative singers and performers in contemporary music, says, “Consider this: a spoon is technology; your vocal chords are technology; a song is technology...technology is transfer of power.” Presented by The Outpost Performance Space. Workshop open to youth and adults.

1:15pm – 1:30pm

EDU TALK: **Hear by the River: Reflections of Albuquerque**

Convention Center, by east entrance to Kiva Auditorium

Working Classroom presents a talk with artist Mark Anderson, who will discuss *Hear by the River*, a digital mural that depicts the many characters and communities that give Albuquerque its unique flavor. The mural was commissioned as part of the 2012 New Mexico Centennial Celebration. Created in collaboration with Working Classroom, The School of the Art Institute of Chicago and the National Museum of Mexican Art, this matrix video wall is a joining of a strong mural tradition in Albuquerque and new digital storytelling techniques.

2:00pm – 2:50pm

PERFORMANCE: **NoiseFold: Wilderness Machine**

The Box Performance Space

See page 8.

Performers: David Stout & Cory Metcalf

2:15pm - 3:15pm

EDU KEYNOTE TALK: Scott Snibbe

Exploring the Universe through Interactive Art

KiMo Theatre



Scott Snibbe will present selections from twenty years of interactive art, music, exhibits and entertainment, mining themes from science and cinema to produce unabashedly entertaining and poetic re-interpretations of our universe,

including his recent work creating the first app album with Björk on *Biophilia*, and interactive exhibits created for James Cameron's movie *Avatar*. He will discuss the educational and societal benefits of interactivity; and the joys, challenges and research involved in the creation and distribution of interactive art as an artist/entrepreneur. Scott Snibbe's artwork is in the collections of major museums, and his large-scale interactive projects have been incorporated into concert tours, Olympics, science museums, airports and other major public spaces and events.

3:15 – 3:30pm

EDU STEMArts Competition Awards Presentation

KiMo Theatre

6th to 12th grade students in New Mexico are featured at ISEA2012 with their entries to the STEMArts Competition: "Design Your Future," presented by 516 ARTS and sponsored by Intel. The winners receive prizes and awards. This competition brings STEM+Art concepts directly to our schools around New Mexico.

3:15pm – 4:00pm

DYN PANEL: **Artists' Autonomous Transport Infrastructures**

The Box Performance Space

This panel, inspired by the autonomous train projects such as Los Ferronautas (the Railnauts) (Mexico) and HeHe (France) seeks to examine the way in which artists might take on 'big' infrastructures such as personal transportation. The Railnauts question the ideology of progress, instead exploring the two poles of the social experience of technology, utility and disuse. Their SEFT-1 rail module is currently exploring abandoned railway tracks in Mexico and Ecuador and is heading for ISEA. HeHe's mischievous public art interventions include their ongoing 'Train Project', criticizing the car as the only option for autonomous transport and proposing personal rail travel as a temporary, imaginary prototype, building individual rail vehicles for different cities around the world, including Istanbul, San Jose, New York, Paris and most recently Manchester. The panel also

investigates the dream of alternative air transport (airships) as a slower, more sustainable method of transport breaking the deadlock of incessant air travel.

Presenters: Rob La Frenais, Andrés Padilla Domene, Ivan Puig & Nicola Triscott

3:15pm - 5:30pm

EDU FORUM: **ISEA2012 Education Forum**

Hotel Andaluz: Majoraca Room

The workshop brings together academics, researchers and educators to discuss the latest developments of policy research, evaluate the role of educational research, as well as existing educational business strategies, financial modeling and risk management. It is essential to keep in mind that in addition to the long term benefits of education the successful future resolution of current problems will greatly influence the perspectives and potential of tomorrow's leaders. This workshop strongly encourages interaction between participants interested in the changes of economic dimensions of education. The summary outcome of the workshop is to be published in the Leonardo Education Almanacs Series on Education.

Presenters: Nina Czegledy, Andrea Polli, Julianne Pierce, Chaouki Abdallah, Patricia Olynyk, Ross Harley, Ricardo Dal Farra, Susanna Sulic, Shaurya Kumar, Felipe C. Londoño, Cheryl Wassenaar, Ian Clothier, Suzanne Anker, Claudio Rivera-Seguel, & Janine Randerson

3:30pm – 4:00pm

EDU TALK: **Media Literacy Project**

Albuquerque Main Library

For twenty years the Media Literacy Project has been creating programs and campaigns that ensure our communities can access, analyze and create media. This interactive multimedia presentation will provide an introduction to media literacy, share success stories of media production for community engagement, and offer best practices for curriculum development. The first twenty participants will receive Media Literacy Toolbox, a DVD with over 100 media examples that can be used in organizations and classrooms alike.

Presenters: Hakim Bellamy, Jessica Collins & Andrea Quijada

ISEA2012 STEMArts Curriculum

Visit the Resource Station at The Albuquerque Museum and the website www.stemarts.com/isea2012/curriculum to explore this exciting 21st century learning tool. The content is organized around the personal stories of featured ISEA2012 artists with a focus on STEM, creativity and innovation. Our web 2.0 tools compile an array of STEM + Arts activities and resources, harnessing the collective knowledge available online.

ISEA2012 Downtown Block Party

EDU DYN 4:00pm – 9:00pm

Central Avenue between 4th & 6th Streets



516 ARTS presents the Downtown Block Party during the Intel Education Day. The general public is invited to this free, outdoor celebration, which features artworks focusing on the conference sub-theme of Dynamobilities and fun for all ages (see page 7). See separate brochure about the Downtown Block Party for details on the over 30 artists' projects presented.

4:00pm – 5:45pm

EDU WORKSHOP: **SolarCircus**

OFFCenter

SolarCircus (2009-2012) is an interdisciplinary platform for eco-dialogue about the future of renewable energy. At ISEA2012, SolarCircus will take the form of a fun, hands-on workshop. The workshop facilitator, Tiffany Holmes, will introduce participants to the mysteries and potentials of solar power in the first 15 minutes. All participants build a solar toy from a kit and then "hack" it to create a one-of-a-kind kinetic sculpture. Workshop open to youth and adults.

4:15pm & 5:00pm (2 shows)

EDU PERFORMANCE: **CorpusElectric Tech-Fashion Show**

Tricklock Performance Laboratory

See page 9.

Performers: Johnny Alvarez, Daniela de Angeli, Mary Basler, Nick Cassados, Gabe Garcia, Elizabeth Gomez, Miriam Langer, Dania Loya, Stephanie Marcus, Tatyana de Pavloff, Stacy Romero, Shanoa Leigh Rosby, Nina Silberberg, Deanna Threadgill, Matthew Threadgill, Daisy Trudell, Siah Trudell, Tara Trudell & Shawna Yambire

4:15pm – 5:30pm

PANEL: Preserving Indigenous Cultures in the Digital Age of Globalization

Albuquerque Main Library

Although distinct phenomena, technology in the digital age and globalization have advanced in tandem, bringing benefits to many population sectors at the expense of others. Chief among the losers in this scenario are indigenous cultural communities whose lives are not organized around the information age, and in some cases may not have fully entered or embraced the industrial age. Other communities are 'up to date' but have lost or are threatened with loss of their unique heritage or identity as forces of technology and globalization overwhelm them. This panel will examine the issues and discuss the remedies.

Presenters: Robert K. Hitchcock, Beverly Singer, Arturo Sandoval & Joseph A. Tainter

4:15pm – 5:30pm

PANEL:

Motion and Power Between the Physical and Virtual

The Box Performance Space

Much of new media work explores some interaction between the real and the virtual worlds. Some of this work may require the viewer to balance conflicting messages coming from different parts of the brain, and challenge the perception of what is real and what is virtual. Other works utilize virtual partners or doppelgangers, which both react to and create reactions in live performers, which may be dancers, actors or robotic structures. The panelists span the areas of dance performance, theatrical performance, robotic installation and interactive media installations, and will discuss how their work intersects these questions of technology and perception.

Presenters: Danny Bazo, Miwa Matreyek, Marco Pinter, Scott Snibbe & Lisa Wymore

4:45pm – 6:00pm

EDU TSH **PANEL: Valley of the Sunflowers**

Warehouse 508

This public art project in Phoenix is a model S.T.E.A.M. (Science, Technology, Engineering, Art, Math) education project that brings together beautification of vacant urban land in downtown Phoenix with an educational project engaging Phoenix Bioscience High School students who are growing a two-acre field of sunflowers to harvest to produce biofuel for a hybrid biofuel/solar vehicle they are designing. This presentation is sponsored by Arizona State University Art Museum.

Presenters: Greg Esser & project participants

6:00pm – 6:30pm

PERFORMANCE: **Music for Flesh II**

The Box Performance Space

Music for Flesh II (MFII) by Marco Dunnarumma is an interactive music performance for an enhanced body. By enabling a computer to sense and interact with the sound of human muscle tissues, the work approaches the biological body as a means for computational artistry. Muscle contractions and blood flow produce low frequency sound waves. The neural and biological signals that drive the performer's actions become analogous expressive matter, emerging as a tangible haunting soundscape. Made possible by an Alt-w award from New Media, Scotland.

6:15pm – 7:00pm

EDU TALK/DEMO: **Sonic Fabric: The Universe is Made of Sound**

Warehouse 508

Using high-tech, hand-held recording devices, students from Amy Biehl High School take sonic samples from their environment, and analyze and manipulate them to create intricate collages of sound. ISEA2012 Visiting Artist Program Teacher Alyce Santoro is an interdisciplinary artist and inventor of Sonic Fabric, a textile woven from 50% polyester thread and 50% audiocassette tape recorded with collages of sound. Produced in partnership with OFFCenter Community Arts Project. Made possible by The FUNd at Albuquerque Community Foundation and Intel.



6:30pm

DYN PERFORMANCE: **Symphony 505**

Parking lot at 6th Street and Central Avenue

See page 9.

6:40pm – 7:10pm

EDU PERFORMANCE: **4Hands iPhone**

The Box Performance Space

Adam Parkinson and Atau Tanaka exploit a commonly available consumer electronics device, the Apple iPhone, as an expressive, gestural musical instrument. A live duo, gestural music performance, running Pure Data on iPhones, transforms this object of music consumption into an expressive visceral musical instrument that captures performer gesture. With sensors, signal processing, synthesis and sound output embodied on one device, it is a self-contained digital musical instrument for the performance of post-laptop music.



7:15pm – 8:00pm

PERFORMANCE: **Instant Messages**

Tricklock Performance Laboratory

See page 9.

7:20pm – 7:50pm

PERFORMANCE: **DMT**

The Box Performance Space

DMT is Marco Donnarumma, Christos Michalakos and Atau Tanaka, a trio of visceral electronic musicians that interface corporeal gesture and physical gesture with pulsing electronic noise. Based in Edinburgh and London, the performers are soloists coming together to form a trio that is greater than the sum of its parts. DonnaRumma plays the Xth Sense biospherical muscle contraction sensor system to sonify the performer's body. Tanaka runs granular synthesis algorithms on the iPhone, with one in each hand. Drummer Michalakos creates feedback loops to electronics from his drums. Together they create a wall of sound that is live technological thrill.



9:00pm

PERFORMANCE: **Laurie Anderson: DIRTDAY!**

KiMo Theatre, presented by AMP Concerts

See page 9.

RELATED EVENT

10:00am – 8:00pm

OUTDOOR FESTIVAL: **Albuquerque Mini Maker Faire**

Albuquerque Civic Plaza

In conjunction with the ISEA2012 Downtown Block Party, the Albuquerque Mini Maker Faire is a family-friendly showcase of invention, creativity and resourcefulness, and a celebration of the Maker movement. It's a place where people show what they are making and share what they are learning. Makers range from tech enthusiasts to crafters, educators, tinkerers, hobbyists, engineers, artists, science clubs, students, authors and commercial exhibitors of all ages and backgrounds. Maker Faire's mission is to entertain, inform, connect and inspire thousands of Makers and aspiring Makers. The Albuquerque Mini Maker Faire is independently organized and operated under license from O'Reilly Media, Inc., and made possible in part by Intel.

TICKETS: Available at www.albuquerque-minimakerfaire.com

8:00am – 3:00pm

Registration

516 ARTS

9:00am – 9:25am

DYN GRD PAPER: **Shifting Paradigms: Towards an Auditory Culture**

Hotel Andaluz: Majoraca Room

The global ecological crisis has become a catalyst for interdisciplinary collaborations at a time when a shift in thinking is urgently required. World leaders are now looking towards the validity and possibilities of creative methodologies as tools for change. This paper explores the role of auditory culture in a sustainable future and introduces the Sonic Ecologies Framework, a multi-platform methodology proposed to initiate cultural change through sound. This evolving model is implemented by the artist, acting as an agent of change spiraling between contextualised theory and practice. This research introduces the five stages of the model with examples from projects recently implemented in Australia.

Presenter: Leah Barclay

9:00am – 9:25am

DYN PAPER: **Pedal Power**

Tricklock Performance Laboratory

This paper explores ideas of mobility and power using the case study Pedalpower for Bybrua, commissioned for Stavanger 2008 Capital of Culture. Three pedal powered generators were made available to the community of Pedersgata. During daylight hours these devices were located in a number of public sites and situations, at night the stored energy was released as part of a pedestrian lighting system installed beneath the city road bridge in Bybrua. This paper will focus on the only mobile generator, “Bridgit”, so called for its capacity to offer transit from one side of the bridge to the other.

Presenter: Justin Carter

9:00am – 10:00am

DYN FEATURED SPEAKER: Chip Lord

Ant Farm Media Van v.08 [Time Capsule] 1970-2008

KiMo Theatre



Chip Lord’s talk presents several recent projects and includes a historical introduction to the radical art and architecture group Ant Farm, 1968 – 1978. In 1970, Ant Farm travelled cross-country in a “Media Van” shooting video and networking with other artists. *Ant Farm Media Van v.08 [Time Capsule]*, an interactive sculpture made in 2008, invites users to leave a “donation” to a digital Time Capsule, and also functions as a small video theater, showing works made in 1970. This ongoing project migrates across time and space and intersects with new ubiquitous technologies. Lord is an American digital media artist currently teaching at University of California Santa Cruz. He is best known for his part in the Ant Farm Collective and the creation of Cadillac Ranch. Sponsored by ASU Art Museum and the Desert Initiative.

9:00am – 10:15am

ECN GRD WORKSHOP: **Multispecies and Urban Spaces: AR and Place-based Learning**

Hotel Andaluz: Valencia Room

Multispecies and Urban Spaces is a series of interactive walking tours made possible by an augmented reality (AR) browser for iPhone/iPad developed by Phoenix Toews. The works (in progress) make visible social, political and ecological histories of multispecies relations in urban spaces. Presenters will explain the tours, and then discuss researching local spaces and hidden histories, and developing technical, aesthetic and conceptual possibilities for an AR, GPS enabled platform, including ways of structuring an active, meaningful experience for the user. In groups, participants will design one section of an AR tour regarding human/animal entanglements around Albuquerque.

Presenters: Meredith Drum, Rachel Stevens & Phoenix Toews

9:00am – 10:15am

ECN WORKSHOP: **Open Broad Band**

Warehouse 508

The U.S. is falling ever further behind other nations with regard to broadband development and its related social, environmental, educational and economic opportunities. The opportunity is at hand for communities, institutions and business partners to take shared responsibility for fulfilling the promise of becoming content-rich, economically vital, quality-of-life enhancing, broadband-based ‘information societies’. This workshop will

highlight open broadband initiatives in New Mexico, and will involve the audience in a general discussion of open networking.

Presenter: Richard Lowenberg

9:30am –10:45am

ECN PANEL:

University Technology During a Budget Crisis

Albuquerque Main Library

Today's tough economic times are adversely affecting funding in higher education. Especially hard hit are traditionally underfunded fields where costly technologies are used. In this panel, educators with backgrounds in music, art, architecture, and engineering discuss ways forward under these circumstances. The common tools for the panelists are: using cheap and repurposed materials; using freeware, DIY books and websites, and collaborative cross-disciplinary research. The panel explores how to cultivate the correct mindset for this "doing more, spending less" approach, creating with these tools, the educational philosophy behind their use, and embracing financial challenges as a spur to creative problem-solving.

*Presenters: Dr. Linda Antas & Aaron Stutterheim
moderated by J. Neil Lawley*

11:00am – 12:00pm

RC KEYNOTE:

Conversation with Laurie Anderson & Tom Leiser

KiMo Theatre



Laurie Anderson is a renowned performance artist, composer and musician, who is a pioneer in electronic music and has invented several devices that she has used in her recordings and performance art shows. As a former artist-in-residence with NASA, she has a long history of exploring the intersection of art and science. Anderson will speak in conversation with Tom Leiser, co-leader for *Radical Cosmologies* theme and Program Director, Art & Technology in the

School of Art, California Institute of the Arts. Presented by 516 ARTS in partnership with AMP Concerts.



12:30pm – 1:45pm

DYN SCREENING / Q&A: **Trash Dance**

KiMo Theatre



Sometimes inspiration can be found in unexpected places. Choreographer Allison Orr finds beauty and grace in garbage trucks, and in the men and women who pick up our trash. Filmmaker Andrew Garrison follows Orr as she joins city sanitation workers on their daily routes to listen, learn and untimely to convene them to collaborate in a unique dance performance. Hard working, often carrying a second job, their lives are already full with work, family and dreams of their own. But some step forward, and after months of rehearsal, two dozen trash collectors and their trucks perform an extraordinary spectacle. On an abandoned airport runway in Austin, Texas, thousands of people show up to see how a garbage truck can "dance." Join filmmaker Andrew Garrison in person.

1:15pm – 1:40pm

TALK: **Internet Wilderness:
Creating the ISEA2012 Website**

Warehouse 508

Presenters: Chris Butzen & Andrew McConville

1:15pm – 2:15pm

DYN TALK: **Burning Man Art Vehicles, Art Cars
and the Camera Van**

Hotel Andaluz: Valencia Room



Harrod Blank will present a visual history of Art Cars at the Burning Man festival, discussing how and why these vehicles have evolved from personal totems into large scale fantasies on wheels called mutant vehicles. Over the years,

Burning Man has inspired folks to bring more "wow" factor, larger scale interactive works featuring cutting edge technology integrated into virtually all expression such as contemporary art installations, sculptures, theme camps and especially mutant vehicles. Blank will also highlight and introduce Doc Atomic, an Albuquerque nuclear scientist and visionary art car artist, along with other art car artists from New Mexico.

1:15pm – 2:30pm

WORKSHOP: **Innovation and IP: Getting What You Want out of Your Spark**

Tricklock Performance Laboratory

Tinkering around with materials can lead to unintended consequences. Sometimes, the result is worth pursuing commercially. This workshop explores the pathways that novel inventions can take as they meander (or explode!) out into the wider world. This workshop will explore cases of products developed from academic or artistic research. Bring your stories of your brushes with the commercial world, and we'll collectively consider platforms such as Kickstarter, blogs, Etsy and more. We will also get into the basics of patenting and trademarking, and debate the value of intellectual property protection.

Presenter: Jennifer Leary

1:15pm – 3:15pm

WORKSHOP: **Taxi Takes on the World, Part 2**

Hotel Andaluz: Catalina Room

This is a continuation from the workshop on Friday, September 21 (see page 23). The footage from Part 1 will be screened during this second session. This workshop will also provide training for another group of participants to pair up for training to shoot. All of the footage collected during and after these workshops will be used in the global online project.

Presenter: Vandana Sood-Giddings

2:00pm – 3:15pm

FEATURED PANEL: **Hip Hop & Technology**

KiMo Theatre



Since its emergence in the mid 1970s, Hip Hop culture and music have been transformed by technological innovations. Through the research of Tahir Hemphill, creator of *The Hip Hop Word Count: A Searchable Rap Almanac*, an



ethnographic database built from the lyrics of over 40,000 Hip Hop songs, users can analyze and track this evolving language. Kwende Kefentse's focus on urbanization has led him

to explore parallels between the emergence of Hip Hop culture and the built environment on a global scale. The discussion is moderated by Albuquerque's Poet Laureate Hakim Bellamy.

3:15pm

Conference concludes

Railrunner train to Santa Fe for Santa Fe Day

Railrunner train departs from Downtown Albuquerque at 4:26pm, 5:34pm and 6:48pm.

MONDAY ARTIST TALKS

For descriptions, visit www.isea2012.org

The Box Performance Space

- 9:00am Dan Collins: **Atlas of the Rio Grande**
- 9:25am Don Sinclair: **Trail Portraits: Santa Fe**
- 9:50am John Taylor Wallace: **Public Art Object as Vehicle for Communication**
- 10:30am Frederick Ostrenko: **Transmodal Journeys: Digital Adventures in the Physical World**
- 12:15pm Joyce Cutler-Shaw: **Of Water and the River Meditations on the Rio Grande**
- 12:40pm Dennis Summers: **The Ark**

Hotel Andaluz: Catalina Room

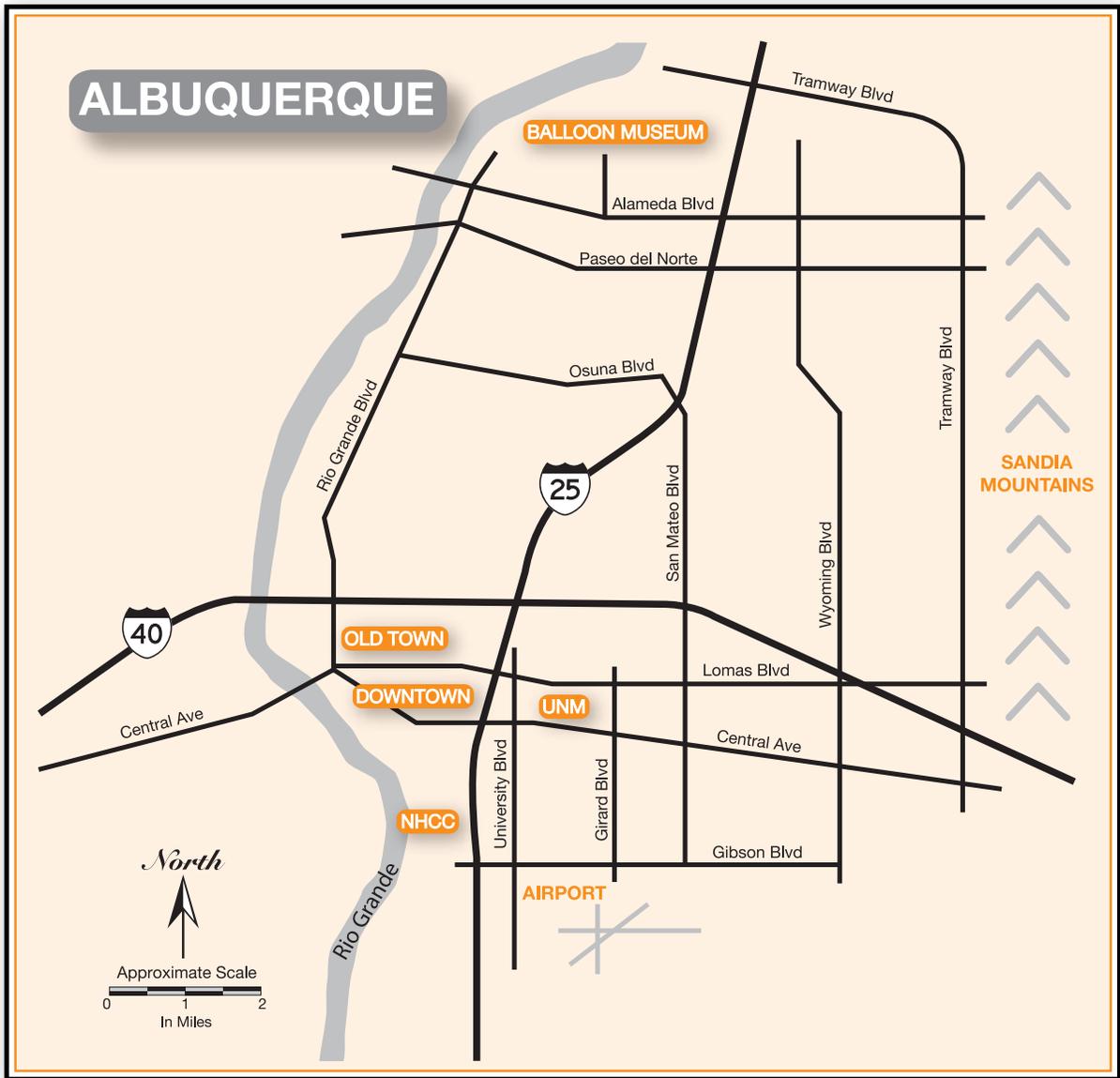
- 9:25am Leah Barclay: **Transient Landscapes: Sound Mirrors**
- 9:50am Miu Ling Lam: **Time Axis**
- 10:15am Sheila Pinkel: **"In the Beginning" or...: The Cosmic Stories We Tell and Their Implications**
- 12:15pm Anthony Anella: **Land Ethics and Aesthetics**
- 12:40pm Beth Ferguson: **Creative Risk Taking: Public Art and Ecological Design**

Hotel Andaluz: Majoraca Room

- 9:50am Angus Forbes: **Fluid Automata**
- 10:15am Claudia Kleefeld: **Patterns of Nature: The Spiral and Interconnectedness**
- 12:15pm Ana MacArthur: **Mallart Solaire**
- 1:10pm Claudia X. Valdes: **Sensorium**
- 1:35pm Willoh S. Weiland: **Forever NOW**

Hotel Andaluz: Valencia Room

- 12:15pm Catherine Harris: **Fabrication: Modular Food/Water Survival**
- 12:40pm Xárene Eskandar: **Architectural Organ I / Skin**



OLD TOWN - MUSEUM CAMPUS

Albuquerque Museum
2000 Mountain Road NW

Explora
1701 Mountain Road NW

Natural History Museum
1801 Mountain Road NW

Harwood Art Center
1114 7th Street NW

Hotel Albuquerque
800 Rio Grande Boulevard NW

Rio Grande Inn, Best Western
1015 Rio Grande Boulevard NW

BUS STOPS

Bus lane (roundabout)
in front of Albuquerque Museum

Back of lot on 7th & Copper

DOWNTOWN

516 ARTS
516 Central Avenue SW

Albuquerque Main Library
501 Copper Avenue NW

Alvarado Urban Farm
103 Silver Avenue SW

KiMo Theatre
423 Central Avenue NW

The Box Performance Space
114 Gold Avenue SW

OFFCenter
808 Park Avenue SW

Richard Levy Gallery
514 Central Avenue SW

Warehouse 508
508 1st Street NW

Tricklock Performance Laboratory
110 Gold Avenue SW

Hotel Andaluz
125 2nd Street NW

Hotel Blue
717 Central Avenue NW

UNM CAMPUS

UNM Art Museum
Popejoy Hall

Rainosek Gallery
Architecture Building
George Pearl Hall

Tamarind Institute
2500 Central Avenue SE

ARTS Lab
1601 Central Avenue NE

Sommers Gallery
Art Building, 2nd floor

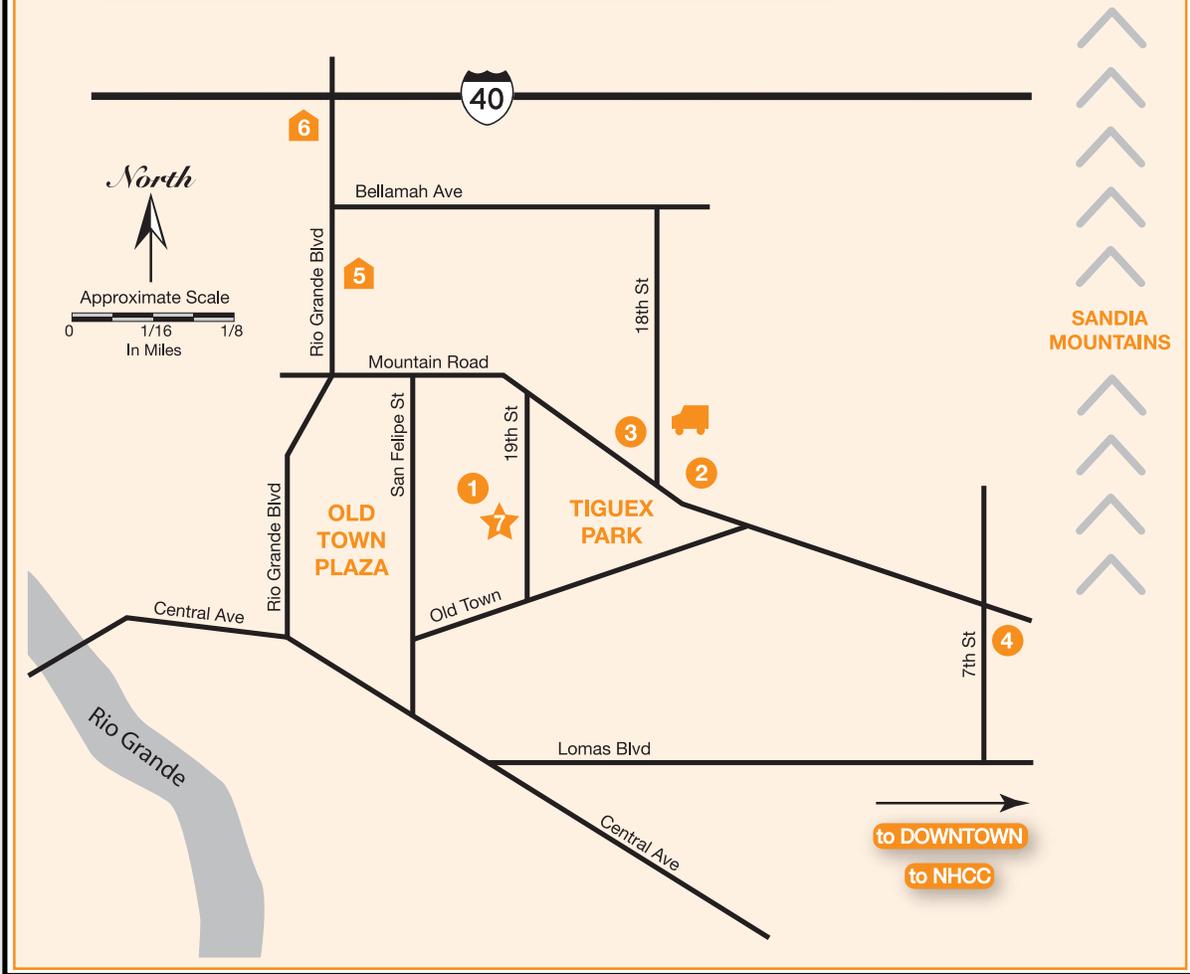
BALLOON MUSEUM

**The Anderson - Abruzzo
Albuquerque International
Balloon Museum**
9201 Balloon Museum Drive NE

NHCC

**National Hispanic
Cultural Center**
1701 4th Street SW

OLD TOWN - MUSEUM CAMPUS



OLD TOWN - MUSEUM CAMPUS

- 1 **Albuquerque Museum**
2000 Mountain Road NW
- 2 **Explora**
1701 Mountain Road NW
- 3 **Natural History Museum**
1801 Mountain Road NW
- 4 **Harwood Art Center**
1114 7th Street NW

HOTELS

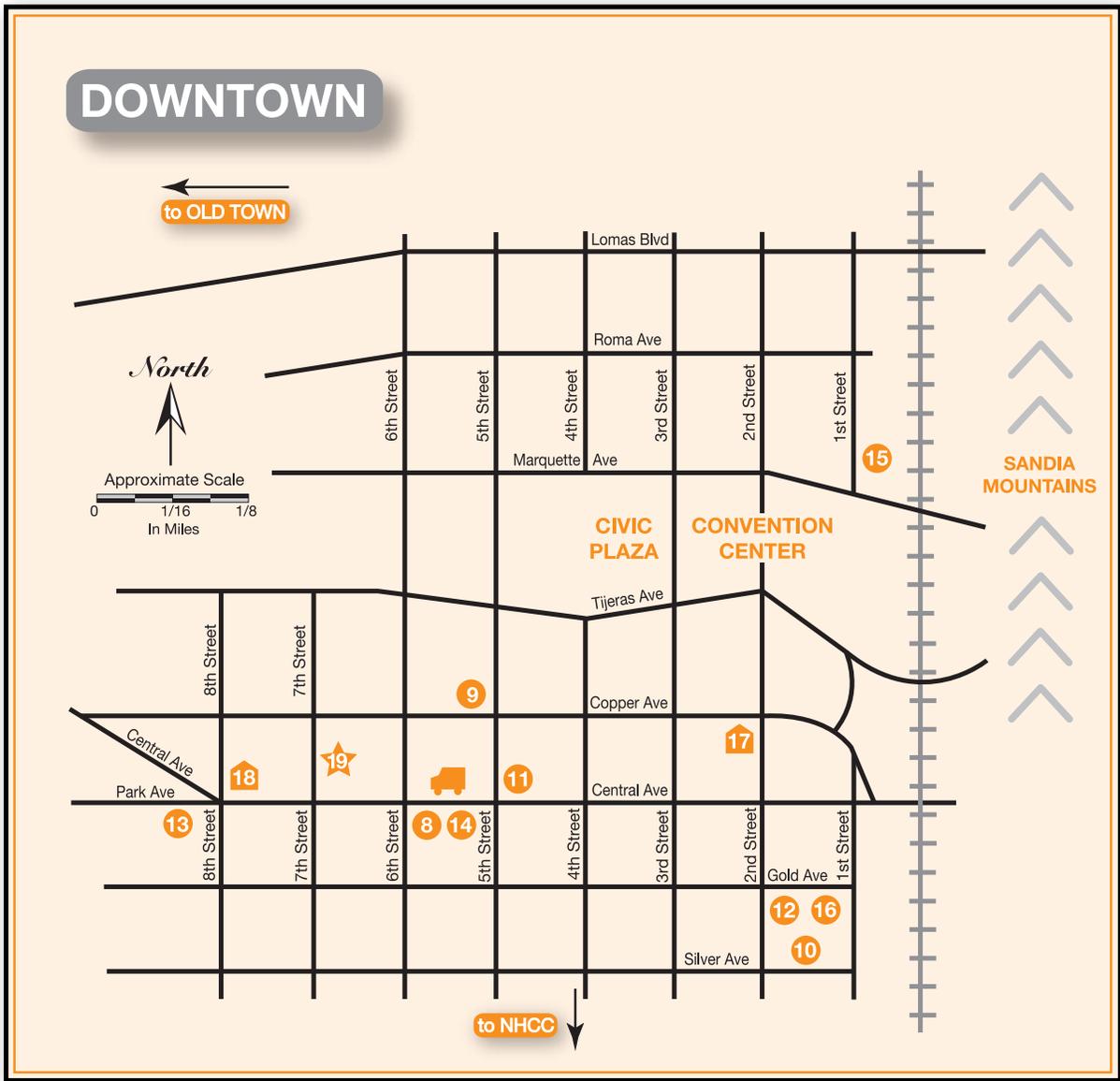
- 5 **Hotel Albuquerque**
800 Rio Grande Boulevard NW
- 6 **Rio Grande Inn, Best Western**
1015 Rio Grande Boulevard NW

BUS STOPS

- ★ Bus lane (roundabout)
in front of Albuquerque Museum

 Food Trucks

DOWNTOWN



DOWNTOWN

- 8 516 ARTS**
516 Central Avenue SW
- 9 Albuquerque Main Library**
501 Copper Avenue NW
- 10 Alvarado Urban Farm**
103 Silver Avenue SW
- 11 KiMo Theatre**
423 Central Avenue NW
- 12 The Box Performance Space**
114 Gold Avenue SW
- 13 OFFCenter**
808 Park Avenue SW
- 14 Richard Levy Gallery**
514 Central Avenue SW

- 15 Warehouse 508**
508 1st Street NW
- 16 Tricklock Performance Laboratory**
110 Gold Avenue SW

HOTELS

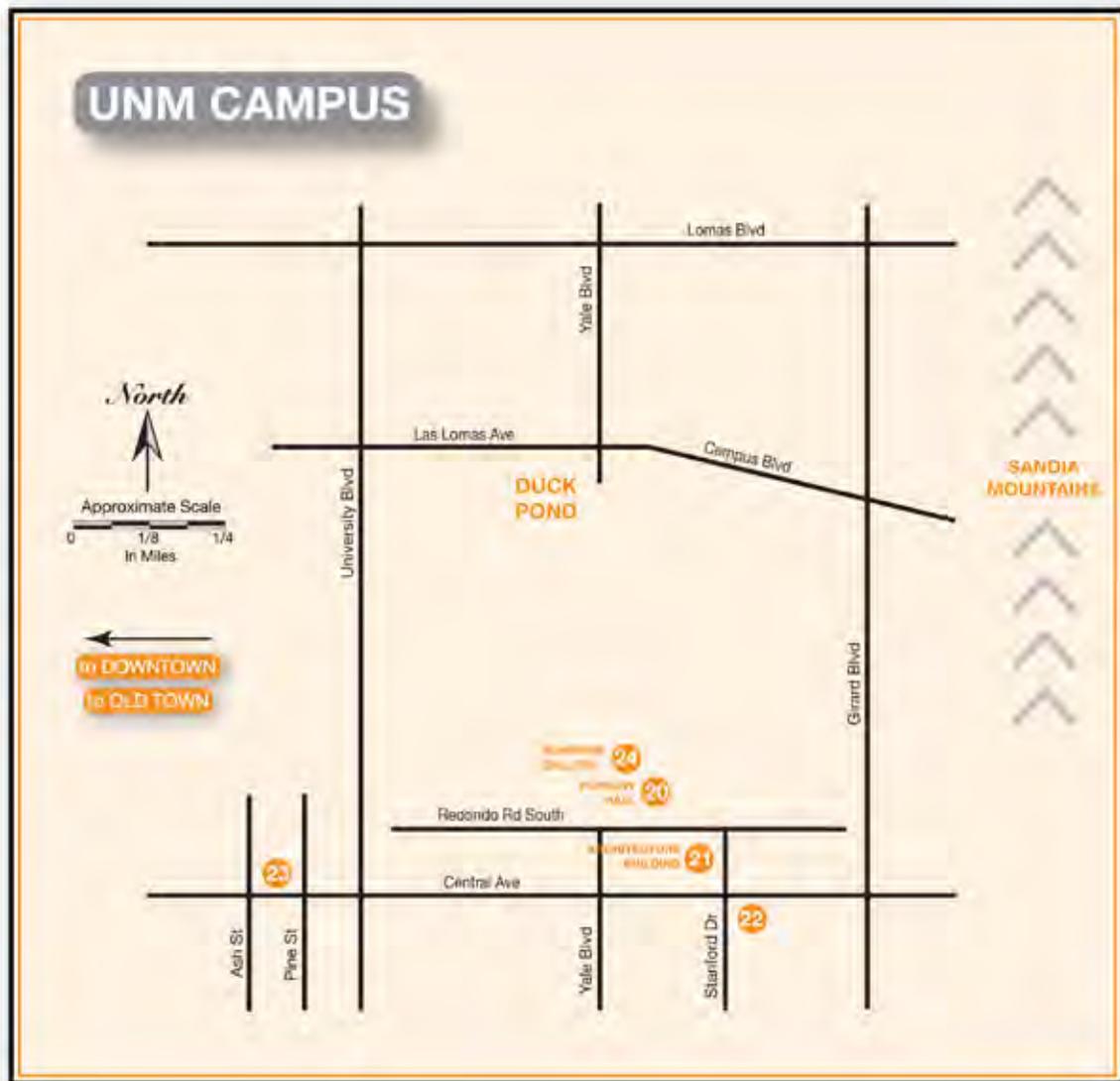
- 17 Hotel Andaluz**
125 2nd Street NW
- 18 Hotel Blue**
717 Central Avenue NW

BUS STOPS

- 19** Back of lot on 7th & Copper

-  Food Trucks

UNM CAMPUS



UNM CAMPUS

- 20 UNM Art Museum**
Popejoy Hall
- 21 Rainosek Gallery**
Architecture Building
George Pearl Hall
- 22 Tamarind Institute**
2500 Central Avenue SE
- 23 ARTS Lab**
1601 Central Avenue NE
- 24 Sommers Gallery**
Art Building, 2nd floor

ISEA2012 OFFICIAL CONFERENCE & EXHIBITION VENUES

516 ARTS

516 Central Avenue SW, Downtown Albuquerque
505-242-1445, www.516arts.org
Open Tue – Sat, 12-5pm
Extended hours: 9/21–9/24, 9am–7pm & 9/23, 9am–9pm
Exhibition on view September 20 – January 6

Albuquerque Main Library

501 Copper Avenue NW, Downtown Albuquerque
505-768-5141, <http://library.cabq.gov/mainlibrary>

The Albuquerque Museum of Art & History

2000 Mountain Road NW, Old Town, Albuquerque
505-243-7255, www.albuquerquemuseum.org
Open Tue–Sun, 9am–5pm
Exhibition on view September 20 – January 6

Alvarado Urban Farm

101 Silver Avenue SW, Downtown Albuquerque
www.alvaradourbanfarm.com
Exhibition on view September 20 – January 6

Anderson-Abruzzo Albuquerque International Balloon Museum

9201 Balloon Museum Drive NE
505-768-6020, www.cabq.gov/balloon
Open Tue – Sun, 9am–5pm
Exhibition on view September 20 – January 6

The Box Performance Space

100 Gold Avenue SW, Downtown Albuquerque
www.theboxabq.com

Convention Center

401 2nd Street NW, Downtown Albuquerque
www.albuquerquecc.com

¡Explora!

1701 Mountain Road NW, Old Town, Albuquerque
505-224-8300, www.explora.us

Harwood Art Center

of Escuela del Sol Montessori
1114 7th Street NW, Old Town/Downtown Albuquerque
505-242-6367, www.harwoordartcenter.org

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505-242-9090, www.hotelandaluz.com

KiMo Theatre & Gallery

423 Central Avenue NW, Downtown Albuquerque
505-768-3522, www.cabq.gov/kimo

National Hispanic Cultural Center

Domenici Education Building & Performing Art Building
1701 4th Street SW, Albuquerque
505-246-2261, www.nhccnm.org

New Mexico Museum of Natural History & Science

1801 Mountain Road NW, Old Town, Albuquerque
505-841-2800, www.nmnaturalhistory.org
Exhibition on view September 20 – January 6

OFFCenter Community Arts Project

808 Park Avenue SW, Downtown Albuquerque
505-247-1172, www.offcenterarts.org

Rainosek Gallery

UNM School of Architecture & Planning

The University of New Mexico Main Campus, George Pearl Hall
505-277-0111, <http://saap.unm.edu>
Open Mon – Fri, 9am–5:30pm
Exhibition on view September 10 – October 26

Richard Levy Gallery

514 Central Avenue SW, Downtown Albuquerque
505-766-9888, www.levygallery.com
Open Mon – Sat, 11am–4pm
Exhibition on view September 13 – October 12

Tricklock Performance Laboratory

110 Gold Avenue SW, Downtown Albuquerque
505-254-8393, www.tricklock.com

Warehouse 508

508 1st Street NW, Downtown Albuquerque
505-296-2738, <http://warehouse508.org>



ISEA2012 IS ORGANIZED AND PRODUCED BY 516 ARTS, An independent, nonprofit community organization, in partnership with The University of New Mexico and The Albuquerque Museum of Art & History. The mission of 516 ARTS is to forge connections between art and audiences, and our vision is to be an active partner in developing the cultural landscape of Albuquerque and New Mexico. Our values are inquiry, diversity, collaboration and accessibility. 516 ARTS offers programs that inspire curiosity, dialogue, risk-taking and creative experimentation, showcasing a mix of established, emerging, local, national and international artists from a variety of cultural backgrounds.

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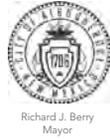
ISEA2012 is part of a series that started in 1988 and is overseen by the ISEA International foundation (www.isea-web.org). The International Symposia on Electronic Art have become the most important academic gathering on electronic art world-wide and aim at bringing together the worlds of art and science. ISEA is a nomadic event. The next editions are ISEA2013 in Sydney, Australia (www.isea2013.org) and ISEA2014 in Dubai, United Arab Emirates

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The Andy Warhol Foundation for the Visual Arts



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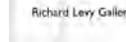


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BERNALILLO COUNTY

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Michelle Lujan Grisham, District 1
Art De La Cruz, District 2
Maggie Hart Stebbins, District 3
Michael Wiener, District 4
Wayne Johnson, District 5

Tom Zdunek, County Manager
Vince Murphy, Deputy County Manager,
Community Services
Mayling Armijo, Director, Economic Development
& Cultural Services

ISEA2012 SCHEDULE SUMMARY



Main Conference in Albuquerque:

Wednesday, September 19:

Conference activities at Old Town venues (9am-5:30pm)
Meeting Minds Tech Fair at Hotel Albuquerque (12-6pm), Reception (5:30-7pm)
Opening Ceremonies at The Albuquerque Museum Amphitheater (7-8pm)
Reception in lobby of The Albuquerque Museum (8-8:30pm)
Salsa concert at The Albuquerque Museum Amphitheater (8:30-10pm)
Late Night Lounge at Hotel Andaluz (10pm-2am)

Thursday, September 20:

Conference activities at Old Town sites (9am-5:30pm)
Meeting Minds Tech Fair at Hotel Albuquerque (12-6pm)
Public exhibition opening for main ISEA2012 exhibition:
 The Albuquerque Museum & Old Town venues (5-7pm)
 516 ARTS & Downtown venues (6-8pm)
¡GlobalQik! Dance Party at the National Hispanic Cultural Center (7pm-12am)
Late Night Lounge Hotel Andaluz (10pm-2am)

Friday, September 21:

Conference activities at Old Town sites (9am-5:30pm)
Meeting Minds Tech Fair at Hotel Albuquerque (12-6pm)
Gala at Balloon Museum with balloon glow & performances (6:30-10pm)
Late Night Lounges at Hotel Albuquerque & Hotel Andaluz (10pm-2am)

Saturday, September 22:

Latin American Forum at National Hispanic Cultural Center (9am-5:30pm)
UNM Art Museum open house & UNM area events (4:30-7:30pm)
¡Globalquerque! Celebration of World Music & Culture (6pm-midnight)
Late Night Lounge Hotel Andaluz (10pm-2am)

Sunday, September 23:

Intel Education Day at Downtown Albuquerque venues
Downtown Block Party highlighting theme of Transportation (4-9pm)
Maker's Faire on Civic Plaza (10am-8pm)
Laurie Anderson concert at the KiMo Theatre (9pm)
Late Night Lounges at Hotel Albuquerque & Hotel Andaluz (10pm-2am)

Monday, September 24:

Conference activities in Downtown Albuquerque venues (9am-3pm)
Rail Runner train to Santa Fe (4:26pm, 5:34pm & 6:48pm)
Reception & Tour at SITE Santa Fe (6:30-9pm)

Tuesday, September 25: Santa Fe Day

Exhibits at IAIA Digital Dome and GPS-based sound walk (9am-noon)
SARC Residency Artists panel at Santa Fe University of Art & Design (1:30-3:30pm)
Self-guided tour of Downtown and Railyard galleries & sites (1-5pm)
Exhibits at Santa Fe University of Art & Design & Santa Fe Art Institute (1-5pm)

Thursday, September 27: Taos Day

UNM Taos exhibits & presentations (9am-noon)
Symposium at UNM Taos Architecture Department (9am-1pm)
Earthship Biotecture tours (12-4pm)
"Taos Day" closing concert at KTAOS Solar Center (4pm on)