

TECHNOLOGY

ART + TECHNOLOGY FESTIVAL
January 20-29, 2011 Telfair Museums' Jepson Center

This annual nine-day festival promotes an edgier and more creative interpretation of art and technology, offering a diverse array of mind-expanding programs. All programs are **FREE** and open to the public and are geared towards students, artists, electricians, musicians, engineers, techies and families.

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Exhibitions

*All exhibitions will be on view at the Jepson Center unless otherwise noted.

Making the Invisible Visible: Selected Projects by Zachary Lieberman January 20-February 6

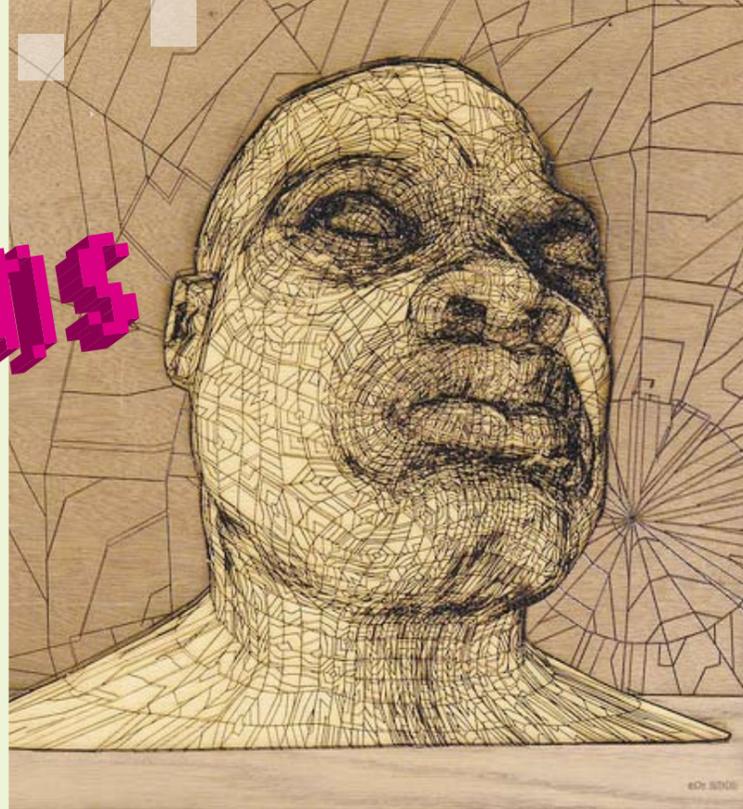
An exhibition of interactive installations and a documentation of projects by acclaimed new media artist Zachary Lieberman. Lieberman, who was recognized by *Fast Company Magazine* as one of the "100 Most Creative People in Business," uses technology in a playful way to break down the fragile boundary between the visible and the invisible. In this exhibition, Lieberman will create two interactive installations—*Manual Input Sessions*, a collaborative project with artist Golan Levin, will allow visitors to create shapes and sounds with their hands; and a new work, *Janus Machine*, that uses a 3-D scanner to process portraits of visitors in the gallery. The installation also includes videos documenting Lieberman's other key projects including the award-winning *Eye Writer*, a low-cost, eye-tracking device that allows individuals to draw using their eye movements. Lieberman will present a live demonstration of *EyeWriter* during the *PULSE* festival.



Björn Schülke, *Solar Kinetic Object #67*, 2006-7

Andrew F. Scott, *Digital Explorations in Sculpture* January 20-February 7

Savannah-based sculptor Andrew F. Scott employs a variety of digital and traditional fabrication methods to produce a body of work where art serves as a bridge for collective cultural ideals. The artist states "I view traditional African and African-American art in the spirit of Sankofa. That is, I view them as a means of retrieving my past so that I am better prepared to step into the future." Scott reinterprets traditional forms and ideas, bringing them into a modern context in works ranging from digitally-printed and laser-cut sculpture, to wall reliefs and prints.



Andrew F. Scott, *And Still I Rise*, 2008

Selected Works by Björn Schülke, 2003-2010 January 20-February 21

Sculptor Björn Schülke, based in Cologne, Germany, brings to *PULSE* a selection of kinetic objects whose works playfully transform live spatial energy into active responses. Equally-influenced by modern abstraction and instruments of scientific measurement, Schülke's objects experiment with a variety of technologies, including solar panels, infrared surveillance, propelled wind power, robotics, interactive video and sound. The slow deliberate movements in his sculptures are an intentional and intellectual response to the viewer's mass, weight and form. The active sculptures cause the audience to question our interaction with modern technology. By entering the installation site, the audience becomes part of the 'system' as the works—some free standing, others suspended—monitor or react to the human element.



David Kaminsky, *Self Portrait*, 2010, Courtesy Chroma Gallery

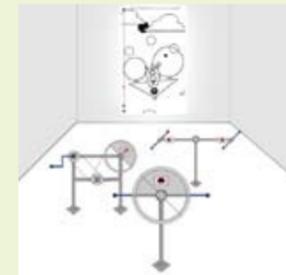
The Decisive Pixel, Digital Paintings by David Kaminsky January 19-February 2

*Chroma Gallery

In this series, veteran photographer David Kaminsky takes the smallest element of a digital photograph, the pixel, and makes it the subject of large-scale compositions derived from traditional subjects from portrait to landscape. According to Kaminsky, "these prints expand one carefully chosen pixel along one axis of a high resolution image to express its visual essence in an immediately recognizable form."

Flying Machine Andrew Hieronymi

Andrew Hieronymi and collaborators will present a new interactive three-player game installation, transforming the Morrison Gallery into a place of social interaction and shared play. Utilizing three physical machines, the project's users will manipulate and control a projected "flying machine."

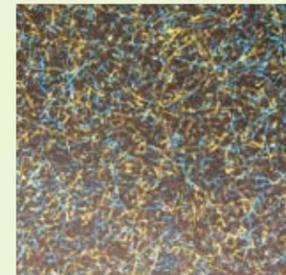


Andrew Hieronymi and collaborators, *Flying Machine*, 2011

Structures of Chaos Timothy Jackson

Timothy Jackson's *Structures of Chaos* drawings series offer the possibility for the reflection upon the nature of chaos and how its structure may be perceived. These drawings are generated by art machines, designed by the artist, which leave traces of these chaotic structures.

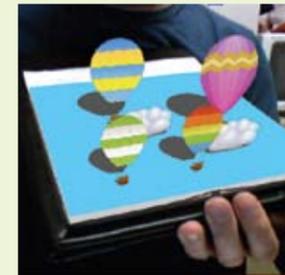
A concurrent exhibition of this work will be on view at the City of Savannah Gallery S.P.A.C.E. January 7-28.



Timothy A. Jackson, *Rumination on Dark Energy # 7* (detail), 2010

ZooBurst Craig Kapp

The *ZooBurst* exhibit features an interactive book that can be experienced in two ways. An onscreen book allows users to swipe their hands to turn the pages. In addition, the artist will display a physical book that contains a special *ZooBurst* augmented reality marker. Visitors will be able to pick the book up and hold to the camera in order to see images in palm of their hand.



Craig Kapp, *ZooBurst*, 2010

Water Nymphs' Circus Kelley McClung

In this work, micro projections collaged from found footage of post-World War II Florida mermaid shows are strategically placed in vintage apothecary bottles. In this miniature circus, McClung references voyeuristic spectacles from Victorian freak shows and medical curiosities to the current recursive culture in which the internet, social media, and television allows us to become virtual voyeurs.



Kelley McClung, *Water Nymphs' Circus*, 2010

Estrella Intersects the Plane Matthew Richard

Estrella Intersects the Plane is an algorithmic kinetic light painting. A custom analysis runs on a small computer that controls LEDs and motors. As the motors move, the position of the LEDs and the angle at which they strike the surface is altered, resulting in a hypnotic, meditative, calming image that draws viewers in.



Matthew Richard, *Estrella Intersects the Plane*, 2009

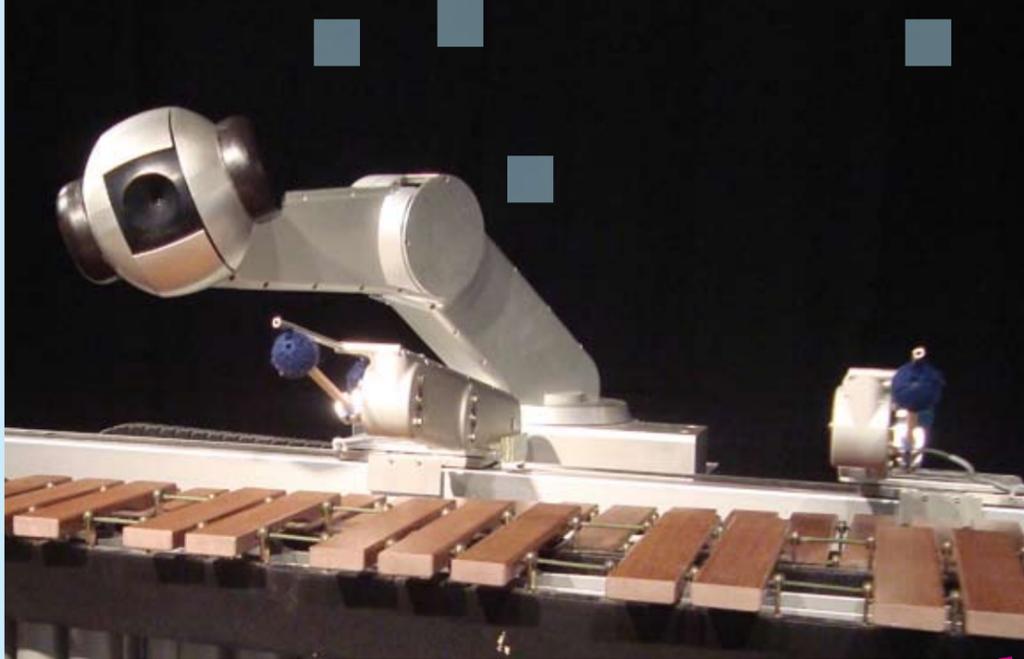
Artists' projects

On view through February 21

All projects will be on view at the Jepson Center TAG Gallery and Morrison Gallery.



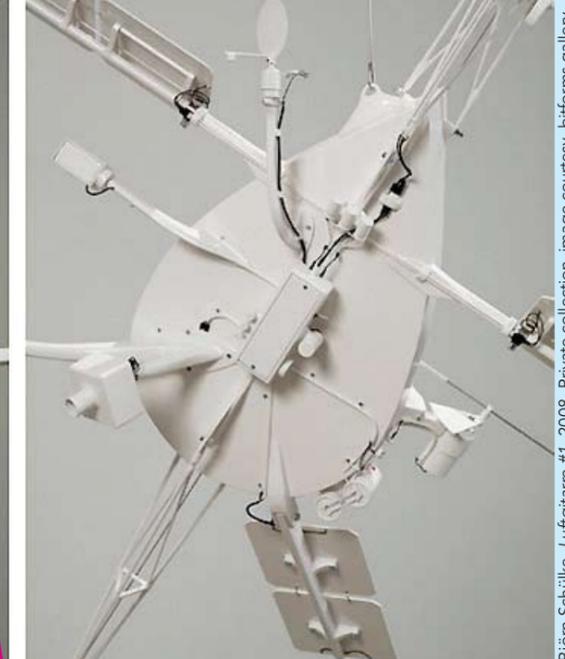
Zachary Lieberman with EyeWriter, graffiti images by Temp 1



Gil Weinberg, Shimon



Björn Schülke, Luftgitarre #1, 2008, Private collection, image courtesy bitforms gallery



Still from Strandbeesten, image courtesy Alexander Schlichter

Lectures, Film and Family Programs

Lecture for High School/College Students by Zachary Lieberman, Matthew Richard, Andrew Hieronymi
Thursday, January 20, 11am

Students will get the chance to hear a short presentation from featured *PULSE* artists. Exhibitions and artist projects will be open to the public.

Lecture by Zachary Lieberman and demonstration of EyeWriter
Thursday, January 20, 6pm

Acclaimed new media artist Zachary Lieberman, who was recently named one of the "100 Most Creative People in Business" by *Fast Company*, presents his innovative *EyeWriter*. The *EyeWriter* project has won the Design of the Year (interactive) from London Design Museum and the Golden Nica in Interactive Art at the Ars Electronica Festival. The *EyeWriter* was also listed by *Time* magazine as one of the 50 Best Inventions in 2010.

"Robo Sapiens - The Next Frontier: Musicianship and Creativity" Lecture by Gil Weinberg and Performance with robotic musician Shimon
Friday, January 21, 6pm

The founder and director of Georgia Tech's Center for Music Technology, Gil Weinberg, Ph.D, conceived the concept of robotic musicianship in 2006 with the development of Haile—the world's first robotic musician capable of improvisation with human musicians. Other platforms that Weinberg has utilized for his musical innovations include cell phones, toys and aquariums. His research focuses on expanding musical expression, creativity and learning through innovative new technology. He is currently working on new compositions for Shimon.

Free Week at the Jepson Center
January 23-29

All programs take place at the Jepson Center unless otherwise noted.

"The Pulse of the Enlightenment in New Media Art" Lecture by Timothy Jackson
Monday, January 24, 2pm

Artist and theorist Timothy Jackson will present several examples of new media art that integrate the human heartbeat as a real-time component of the artwork. He will offer his thoughts on how these works support the ideals of the enlightenment (such as agency, autonomy, criticality and universality) and stand in contrast to dehumanizing technological practices within contemporary culture. He suggests that such works signal a shift in art praxis from representation to the manifestation of meaning in art by immersing viewers in the experience of the work of art.

"Digital Explorations in Sculpture" Lecture by Andrew F. Scott
Monday, January 24, 5pm

Join artist Andrew F. Scott for a discussion of his imagery sources and digital fabrication techniques. Scott reinterprets traditional forms and ideas, bringing them into a modern context in works ranging from digitally-printed and laser-cut sculpture, to wall reliefs and prints.

Film: Strandbeesten by Alexander Schlichter
Monday, January 24, 6pm

A premiere screening of the new documentary on the work of visionary Dutch sculptor Theo Jansen. Jansen has been working for almost 16 years to create sculptures that move on their own in eerily lifelike ways. Each generation of his *Strandbeesten* is subject to the forces of evolution, with successful forms moving forward into new designs. Jansen's vision and long-term commitment to his wooden menagerie is as fascinating to observe as the beasts themselves. (45 minutes)

Lecture for high school/college students by guest artists Björn Schülke, Craig Kapp, Kelley McClung
Wednesday, January 26, 11am

Students and the general public are invited to three short presentations by featured *PULSE* artists.

Lecture by featured artist Björn Schülke
Thursday, January 27, 6pm

Cologne, Germany-based sculptor Björn Schülke will discuss his work which seamlessly blends science fiction, scientific and surveillance instruments and modernist design with interactivity. Also influenced by the Dadaist tradition and Jean Tinguely, the theme of the absurd machine is key in Schülke's work. Schülke has shown in galleries and festivals internationally and recently completed a major commission in the US, the large scale work *Space Observer*, for the San Jose International Airport.

Technology Expo/Family Day
Saturday, January 29, 2-5pm

Bring the kids to make magnetic LEDs and see demonstrations by *PULSE* artists: Adam Matta with his audio bicycle wheel, Ranjit Bhatnagar's amazing instrums and Tim Jackson's "Scribble Scrabble Sketchbots." Local school robotics teams will demonstrate their creations under the coordination of Georgia Tech-Savannah.

workshops

*All workshops take place at the Jepson Center unless otherwise noted. Advance registration required; call 912.790.8821.

PULSE Video Class for High School Students with instructor Jody Schiesser January 18-29

High school students will document this year's PULSE festival, interviewing guest artists and covering events to produce a short documentary video.

Introduction to openFrameworks by Zachary Lieberman Friday, January 21, 10am-12pm

*Georgia Tech Savannah Campus

Zachary Lieberman will provide a short introduction to openFrameworks, a c++ library designed to assist the creative process by providing a simple and intuitive framework for experimentation. Lieberman is co-founder with Theo Watson of openFrameworks.

Must be 16 year old or older. Previous coding experience helpful.

Arduino/Game Design workshop with Andrew Hieronymi Saturday, January 22, 10am-5pm & Sunday, January 23, 12-5pm

Hieronymi, professor of Interaction and Game Design at the Savannah College of Art and Design, will lead a weekend long workshop introducing participants to physical game design incorporating the Arduino microcontroller. Ages 16 – adult

Youth Workshop: Introduction to Scratch Saturday, January 22, 10am-12pm

*Georgia Tech Savannah Campus

Developed at the MIT Media Lab, Scratch is a programming language that makes it easy to create individual interactive stories, animations, games, music, art and share creations on the web. As young people create and share Scratch projects, they learn important mathematical and computational ideas, while also learning to think creatively, reason systematically and work collaboratively. Ages 9 – 18

Educators' Workshop: Augmented Reality in the Classroom, by Craig Kapp Tuesday, January 25, 5pm

*Armstrong Atlantic State University Department of Art, Music & Theatre

Imagine being able to rotate around the solar system, navigate through data in 3-D, and interact with a simulated ecosystem - all from the palm of your hand. With Augmented Reality, it's possible! Augmented Reality (AR) is a technique through which 3-D virtual objects can be overlaid onto the "real world" in real-time, using nothing more than a home computer, a webcam and a printed symbol. Explore various educational uses of AR including digital storytelling and data visualization. Participants will have the opportunity to interact with a number of augmented reality environments and learn how to construct their own AR worlds using tools such as the Zooburst 3-D authoring environment.

Junk Electric Guitar Workshop with Ranjit Bhatnagar Friday, January 28, 4pm

Sound artist Ranjit Bhatnagar has been featured on NPR's *Science Friday* for his workshops in which participants make working electric guitars from ordinary objects like sticks and sewing machine bobbins. Attendees will make their own and rock out!

Ages 13 and up. Registration required; call 912.790.8823

Fun with Audio Coils Workshop with Ranjit Bhatnagar Saturday, January 29, 11am

In his second workshop, Ranjit Bhatnagar will instruct participants in the making of electrified audio devices and instruments from found objects.

Ages 16 – adult. Registration required; call 912.790.8823



Zachary Lieberman



Ranjit Bhatnagar

Ranjit Bhatnagar, Junk Electric Guitar



Bora Yoon, photo by Laurie Olinder



Matt Hebermehl, Social iLLumination, 2011



The Medeology Collective



The Wiitles



performances

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Adam Matta

Social iLLumination Projections by Matt Hebermehl, Dr. Z, Theotherfabio

Friday, January 21; Monday, January 24; Thursday, January 27; & Friday, January 28, 6-8pm

Three Savannah-based artists launch this combination of social media, technology, sound and animation into an interactive work that visitors may tweet into. Viewers can tweet their thoughts (via mobile device, computer, etc.) with a predetermined hashtag assigned to this piece, directly affecting the art being created.

(((PHONATION)))

Performance by Bora Yoon and R. Luke DuBois

Saturday, January 22, 6pm

*Telfair Academy

New York-based composer, vocalist and multi-instrumentalist Bora Yoon will present (((PHONATION))), an interdisciplinary song cycle of ambient electro-acoustic soundscapes, using voice, turntable, piano, Tibetan singing bowls, radios, water, metronomes, music boxes, homemade instruments, and electronics. Yoon will be joined by visual artist R. Luke DuBois who will manipulate live visual projections, in real time, creating an immersive audiovisual experience. Yoon has performed in venues from Lincoln Center and the Brooklyn Academy of Music to the Nam Jun Paik Museum in Seoul and worked with musical collaborators including DJ Spooky and Kaki King. Yoon's haunting vocals and improvised sounds, and DuBois' mesmerizing visuals will both transform and complement the aesthetic of the Telfair Academy Rotunda.

Performance by the Medeology Collective

Friday, January 28, 6-8pm

Savannah/Atlanta artists the Medeology Collective (Alessandro Imperato, James Gladman, Kelley McClung) return to the Jepson Center for a site-specific video event. Called *Exquisite Corpse* after the Surrealist parlor game of the same name, the installation will mix images of the heads, torsos and legs of different visitors to create large scale projected figures in the museum's atrium.

Beatboxing with Technology: Performance by Adam Matta

Friday, January 28, 7pm

Adam Matta is a human beatboxer and vocal performance artist from New York City. His style fuses elements of hip-hop, rock electronic, jazz, contemporary, and Middle Eastern music. Matta will perform with his bicycle wheel, a Marcel Duchamp-inspired sculpture, outfitted with magnetic tape which allows Matta to scratch the wheel like a turntable. Matta has had solo shows at the New Museum for Contemporary Art, Galapagos, PS 122, La Mama and Here Arts Center. He has performed at Carnegie Hall with Bobby McFerrin and appeared at venues such as Madison Square Garden, Apollo Theater and Jazz at Lincoln Center. His music has appeared on NPR's *Morning Edition*, *Weekend Edition* and *All Things Considered*, in the documentary *Planet B-Boy* and in *The L Word*. He has appeared on WNYE's *Afterschool* and PBS's *The Electric Company*.

Performance by the Wiitles

Saturday, January 29, 3pm

2010 PULSE favorites The Wiitles return to the Jepson Center with a new and expanded lineup for a concert incorporating Wiimotes, iPhones and violin (yes, violin).

PULSE AT A GLANCE

January 20-29, 2011
Festival programs are presented free of charge

EXHIBITIONS

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Structures of Chaos, Timothy Jackson

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ZooBurst, Craig Kapp

Water Nymphs' Circus, Kelley McClung

Estrella Intersects the Plane, Matthew Richard

LECTURES, FILM & FAMILY PROGRAMS

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Thursday, January 27, 6pm

Lecture by featured artist Björn Schülke

Saturday, January 29, 2-5pm

Technology Expo/Family Day

WORKSHOPS

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January 18-29

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((PHONATION)) Performance by Bora Yoon and Luke DuBois
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Saturday, January 29, 3pm

Performance by the Wiitles

Please note that events are subject to change.

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