

Curriculum Vitae

Chad Eby

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GENERAL INFORMATION

University Address: Department of Art
College of Visual Arts, Theatre and Dance
P.O. Box 3061150
220 Fine Arts Building
Florida State University
Tallahassee, Florida 32306-1150
Phone: (850) 322.0929 FAX: (850) 644.8977

E-Mail Address: ceby@fsu.edu

Web Site: <http://www.fsu.edu/~art/pages/people/faculty/eby.shtml>
<http://courses.chadeby.org>

Professional Preparation

- 2004-2006 Master of Fine Arts. University of Maryland Baltimore County, Baltimore, Maryland. Name of specialization: Imaging and Digital Art. Thesis Exhibition: *Signs and Wonders*. Thesis supervisor: Dan Bailey.
- 1995-1997 Master of Arts. University of Arkansas, Fayetteville, Arkansas. Major: Communication Studies. Name of specialization: Contemporary Critical Theory. Thesis: *Hacking the Body: the Puer Aeternis in Cyberspace*. Thesis supervisor: Thomas Frentz. Thesis approved "with distinction."
- 1984-1994 Bachelor of Arts. University of Arkansas, Fayetteville, Arkansas. Major: Communication Studies.
- 1994-1995 Study in the Faculty of Law and Literature as *Monbusho* scholar. Emphasis: Japanese Language and Folklore. *Shimane Daigaku, Matsue, Japan*.

Professional Experience

- 2007-2009 *Assistant Professor of Art* – Design Area, Department of Art, College of Visual Arts, Theatre and Dance, Florida State University. Responsible for Graduate and Undergraduate teaching of art with a focus on design history, theory and new media.
- 2003-2004 *Adjunct Professor* – Hammons School of Architecture, Drury University, Springfield, Missouri. Responsible for undergraduate teaching of 3D computer graphics including modeling texturing, lighting and rendering. Managed the school's computer labs and made hardware and software purchasing decisions.

1999 *Adjunct Professor* – Smith College, Savannah, Georgia. Responsible for undergraduate instruction in general computing.

Honors and Awards

- 2008 **Group Four Award** for *1'05"* exhibited in *Illuminations* (a national juried exhibition, see exhibitions below) at the Foundry Art Centre in St. Joseph, Missouri. This award results in a national show with three other artists in 2009.
- 2007 **Second Place Overall** for three pieces from the *Dust Objects* series exhibited in *100% Pure Florida* (a statewide juried exhibition, see exhibitions below), 5th Avenue Gallery, Melbourne, Florida.
- 2006 **First Year Assistant Professor Award** from the Council on Research and Creativity at Florida State University. This grant enabled travel to conduct field recordings in the Kansai region of central Japan.
- 2006 **Rogers, Taliaferro, Kostritsky, and Lamb (RTKL) Fellow** a cash award given annually to support the research of an outstanding MFA candidate in the Imaging and Digital Arts program at the University of Maryland Baltimore County in Baltimore, Maryland.
- 2004 **Tau Sigma Delta Silver Medal** for excellence in Architectural Instruction. Awarded by the Hammons School of Architecture, Drury University in Springfield Missouri.
- 1994 **Monbusho Scholar**. A highly competitive scholarship granted by the Japanese Ministry of Education to enable foreign students to study at a Japanese university for one year. Studies included Japanese language and folklore within the Faculty of Law and Literature at Shimane Daigaku, Matsue, Japan.

Membership in Professional Organizations

College Arts Association
Association of Computing Machinery: Siggraph

TEACHING

Courses Taught

Advanced Workshop: Electronic Sound ART4928C
Advanced Workshop: Interactivity ART4929C
Media Workshop: Graphic Design ART4925C
Graduate Workshop: Electronic Portfolio ART5927C
Design History and Theory DIG3025
BFA Seminar DIG4830
Graphic Design III GRA3193C
Directed Individual Study ART4905
Graduation Show and Thesis ART5972
Art and Technology Critical Theory ART5898

New Course Development

Electronic Portfolio ART5955

The intent of ART5955 is to provide MFA students with the skills necessary to electronically document and distribute their studio work using digital tools.

Art and Technology Critical Theory ART5898

The intent of ART5898 is to provide MFA students with a theoretical context for current art practices with a special emphasis on art making using electronic and digital technologies.

Chair of Master's Thesis Supervisory Committees

Liz Gibson. (Fall 2010).
Jason Orman. (Spring 2009).

Member of Master's Thesis Supervisory Committees

Tina Larkin. (Spring 2009).
Delaina Leblanc (Spring 2009).
Matt Miley. (Spring 2009).
Rhonda Thomas. (Spring 2009).
Brittini Wegman. (Spring 2010).
Mark Stafford (Spring 2011).

Chair of Honors in the Major Committee

Rachel Crist. (Fall 2009).

Chair of Bachelor's Thesis Supervisory Committees

Rachel Crist. (Fall 2009). *Mapping the Mid-Century Party*.
Nick Parparian (Spring 2009).

Member of Bachelor's Thesis Supervisory Committees

Candice Borden (Spring 2008).
Chris Cheung (Spring 2009).
Kristen Garcia (Fall 2008)
Daniel Russell (Fall 2008).
Jessica Smith (Spring 2009).
Sarah Viviano. (Fall 2008).

SCHOLARLY OR CREATIVE ACTIVITIES

Performances

Invited Performances

- August 2009 ***Pluto***. Carole Kim Master Artist with Jacob Cooper, Toby Lee, Chad Eby, Christopher O'Leary, Tara Patricia Rynders, and Megan Ward. Joan James Harris Theater, Atlantic Center for the Arts. New Smyrna Beach, Florida. This performance was part of a three-week residency with master artist Carole Kim. *Pluto* is a 45 minute live multimedia performance with sound, dance, illuminated sculpture and flashlights. Chad Eby was responsible for eight channel spatial audio, and music composition. Performance software interface and sound design by Chad Eby and Megan Ward.
- August 2008 ***Tightly Wound*** (from *Inventorium*). Chad Eby, Petra Klusmeyer. Joan James Harris Theater, Atlantic Center for the Arts. New Smyrna Beach, Florida. This performance was the culmination of a three-week residency with master artist Carsten Nicolai. *Tightly Wound* is a ten minute audio-visual work produced in collaboration with German composer and sound artist, Petra Klusmeyer. Chad Eby was responsible for the initial concept, sound design, and programming the accompanying real time visuals.

Selected Lectures, Workshops, and Writings

- July 2009 **Paper Presentation (Primary Author) at Toward a Science of Consciousness 2009, Hong Kong.** *Scherzo*. Magnetic resonance imaging (MRI) audio augmentation for pediatric patients. **Abstract:** This is a report on a project designed to ameliorate the anxiety experienced by children facing an M.R.I. scan through physical-computing based pre-scan audio augmentation using RFID-tagged plush toys as the interface. M.R.I. machines produce loud and frightening sounds in an enclosed space which, especially in children, result in such anxiety that the scan often cannot be completed. Efforts to mitigate sound using headphones are largely ineffective because the much of the sound energy is experienced through bone conduction. This paper details a novel approach to the problem which exposes children to the sound of the M.R.I. machine in a safe environment prior to the scan and allows the child to "embellish" the sound with a playful and intuitive physical interface. The embellishments are recorded during the interactive session and are then played back during the actual scan. This approach both desensitizes the child to the sound of the scan, and also offers them "ownership" of the sounds they experience, thereby lowering their overall anxiety. Other Authors: Zary Segall; Bryan Hurley; George Marmaropoulos
- Sept. 2009 **Design Workshop Co-Developer/Instructor.** "Rapid Prototyping for Design and Sketching in Hardware." Two day workshop for engineers at General Electric's healthcare division in Madison, Wisconsin. In conjunction with Dr. Zary Segall.
- March 2009 **Professional Development Workshop Developer/Instructor.** "Blink. Beep.Whir: Microcontrollers for Artists." University of Maryland Baltimore County, Baltimore, Maryland. Two day workshop for 15 MFA students, art faculty and research staff at the Imaging Research Center covering the use of the Arduino family of microcontrollers (including digital and analog sensors and actuators) in a studio art context.
- April 2008 **Guest Lecturer.** "Design Principles for Graphic User Interfaces." University of Maryland Baltimore County, Baltimore, Maryland. Lecture designed to aid computer science undergraduate students develop more useful and attractive visual interfaces for computer programs.
- April 2007 **Guest Lecturer.** "Design (Mostly) without Pain." University of Maryland Baltimore County, Baltimore, Maryland. Lecture designed to introduce computer science undergraduate students to principles of graphic design, including color, typography, and screen composition.
- April 2006 **Guest Lecturer.** "3D Visualization Strategies and Tools for Wearable Computers." University of Maryland Baltimore County, Baltimore, Maryland. Lecture designed to introduce computer science undergraduate students to methods and tools to design and visualize three-dimensional representations of wearable computer hardware.

Exhibitions

Invited Regional Exhibitions

Chad Eby. (December 2008). Multiple titles. *Construction and the Multiple*. Space 301. Mobile, Alabama. Part of a four-person show consisting of both collaborative and individual pieces curated by Anne Stagg. Personal work exhibited included very large-scale digital prints, 3D prints, and an audiovisual installation utilizing artist-made electronics. Space 301 is a contemporary non-profit art space.

Chad Eby. (November 2008). Multiple titles. *America is Very Wide* (solo show). UWF Gallery. University of Western Florida, Pensacola, Florida. This solo show included the eponymous eight-channel ambisonic sound installation as well as digital prints, 3D prints, and electroluminescent objects.

Juried International Exhibitions

Chad Eby. (March 2008). Title: *Intonarumori 2.0. SoundObject*. La Nau. Valencia, Spain. Exhibition included fifteen artists from nine countries; curated by Wilfried Agricola de Cologne, founder and director of New Media Art Project Network, Cologne. The sound object *Intonarumori 2.0* includes microcontroller-based playback of audio samples designed to physically embody Italian futurist Luigi Russolo's *The Art of Noises*. As a result of this work, I have been extended a personal invitation to participate in SHOAH a European Media Art Exhibition for Peace and Reconciliation in 2010/2011.

Chad Eby. (November 2007). Title: *City Story. SoundSTORY*. NewMediaFest 2007: *SoundLAB V*. Cologne, Germany. Premiered at NewMediaFest 2007. Curated as one of 50 pieces from submissions worldwide by Melody Parker-Carter, chief curator of SoundLAB Channel, ConcertHall at Media Centre/Le Musee di-visioniste.

Chad Eby. (August 2007). Title: *Underway. Soundtrack for a Mersey Tunnel*, (audio CD limited to an edition of 433 copies). Curated by Liverpool artist Alan Dunn and Funded by Arts Council England. Liverpool, UK. Much of the source material for this work was gathered in Japan as a part of the Council on Research and Creative Activity First Year Assistant Professor award grant.

Juried National Exhibitions

Chad Eby. (April 2010). *Group4 Show*. Foundry Art Center. St. Joseph, Missouri. Results of a nationally juried exhibition of four artists selected from entries worldwide.

Chad Eby. (December 2007). Title: *1'05"*. *Internal Illuminations*. Foundry Art Center. St. Joseph, Missouri. National juried exhibition of twenty-two artists selected from entries worldwide. Awarded the "Group Four" award for an additional show in 2010 with three other artists.

Juried Regional Exhibitions

Chad Eby. (September 2007). Title: *Dust Objects. 100% Pure Florida*. Fifth Avenue Gallery. Melbourne, Florida. Statewide juried show curated by Renee Decator and Clare Zipperly with more 300 works entered; 67 were accepted, including three pieces from the *Dust Objects* series which received second place in the show overall.

Non-Juried International Exhibitions

Chad Eby (January 2008). Title: *Dionisio. Anacapri International Remix Competition A*, AAIR.FM. London, UK. Originally intended as a juried competition, all of the entries were eventually broadcast in London. Available now as an archive at <http://www.aair.fm/2008/01/30/international-remix-competition-a-3/>

Chad Eby. (September 2004). Title: *Alloradio. Kunstradio: Long Night of Radio*. Baltimore Maryland/Vienna Austria. Non-juried Austria-based terrestrial radio broadcast with worldwide Internet simulcast.

Non-Juried Regional Exhibitions

Chad Eby. (January 2009). Title: *1'05"*. *Annual Faculty Show*. Florida State University Museum of Fine Arts (MOFA). Tallahassee, Florida. Digital prints on vellum and electroluminescent panels. These annual shows expose current and potential students to faculty work.

Chad Eby. (January 2008). Title: *Introvert, Requiem 24. Annual Faculty Show*. Florida State University Museum of Fine Arts (MOFA). Tallahassee, Florida. Eight electronic coils, laptops and custom software.

Chad Eby. (January 2007). Title: *Dust Objects. New Faculty Show*. Florida State University Museum of Fine Arts (MOFA), Tallahassee, Florida. Physically realized digital objects; stereolithographic and three-dimensional plaster prints.

Chad Eby. (May 2006). Multiple titles. *Signs and Wonders* (MFA Thesis Show). Center for Art and Visual Culture. University of Maryland Baltimore County. Baltimore, Maryland. Capstone exhibition for Imaging and Digital Arts MFA program. Included audio, video, microcontroller-hosted sensors, and large format digital prints.

Chad Eby, Alan Price. (June 2005). Title: *Segue/Überlappen*. Interactive Geo-coded image and spatialized audio installation. Alan Price developed the image capture hardware and software tools and realtime playback scripting; Chad Eby recorded and produced the audio and developed the software for interactive map elements. Fachhochschule Schwäbisch Hall. Schwäbisch Hall, Germany.

Chad Eby, Tim Nohe in collaboration with Movement Addiction and the IRC Fellows. (February 2005). Title: **blink**. Patterson Theater, Baltimore, Maryland. Chad Eby created rhythm tracks, sound elements, and a wireless sensor platform for dancers, as well as performing sound and effects live.

Competitive Residencies

Chad Eby. (August 2009). Atlantic Center for the Arts Summer Residency. Selected for study by master artist Carole Kim. Residency focused on creating new interactive sound and video work and research into integrating sensors and microcontrollers into installations. The residency culminated in *Pluto*, a light and sound performance by Carole Kim and the resident artists. New Smyrna Beach, Florida.

Chad Eby. (August 2008). Atlantic Center for the Arts Summer Residency. Selected for study by both master artists Carsten Nicolai and John Simon. Residency focused on creating new sound and video work and research into hardware visualization techniques with Carsten Nicolai. The residency culminated in *Inventorium*, an evening of performance by Carsten Nicolai, Olaf Bender, and the resident artists. Included a new collaborative audiovisual piece created at the residency by Chad Eby and Petra Klusmeyer. New Smyrna Beach, Florida.

Chad Eby. (July 2008). Elsewhere Residency. Selected by George Scheer, Collaborative Director and Stephanie Sherman, Director of Concept and Design. Residency focused on adapting electronics and sensors research to the object-rich environment of Elsewhere. The residency culminated in an interactive electronic public artwork, *The Oracle at Elsewhere*, which included Radio Frequency Identification (RFID) tags, lasers, audio, and servo-motors.

Information and Communication Technology

Internet Web Site Development

Chad Eby. (2007-2010). *Courses*. Support for art and design courses taught at Florida State University. Available at: <http://courses.chadeby.org>. Site provides dynamically updating course-relevant links, assignments, announcements, and opportunities for student feedback.

Contracts and Grants

Contracts and Grants Funded (Principle Investigator)

Denise Bookwalter (Co-PI), Chad Eby (PI), Hong Li (Co-PI), Scott Stagg (Co-PI). (October 2008). *Three-Dimensional Printer for the Study of Form in the Arts and Sciences*. Funded by the Florida State University Council on Research and Creativity Equipment and Infrastructure Enhancement Grant program. Total award \$40,170.

Chad Eby (PI). (May 09, 2007-August 07, 2007). *Field Recording in the Osaka-Kyoto Corridor*. Funded by the Florida State University Council on Research and Creativity FirstYear Assistant Professor program (FYAP). Total award \$16,000.

Contracts and Grants Denied

Chad Eby (PI). (November 2007). Desktop Mill for Completion of Work Accepted for the International SoundOBJECT Exhibition." Submitted to Florida State University CRC/Cornerstone SGP program.

SERVICE

Florida State University

Department of Art

Committee Chairperson, Departmental Advisory Committee, (2007-2008).
Committee Member, Departmental Advisory Committee, (2008-2010).
Committee Member BFA Program Committee, (2008-2009).
Committee Member, MFA Program Committee, (2007-2010).
Committee Member, Faculty Search Committee: Printmaking, (2007).
Committee Member, Curriculum Committee, (2007-2008).
Committee Member, Faculty Search Committee: Design, (2007-2008).

The Profession

Guest Reviewer for Refereed Papers

(2005). IEEE ISWC '05 (*Ninth International Symposium on Wearable Computers*). Refereed three papers exploring intelligent textiles and wearable computing frameworks. "Guest Reviewers," *Wearable Computers, IEEE International Symposium*, vol.0, no.0, pp. xiv-xv, Ninth IEEE International Symposium on Wearable Computers (ISWC'05), 2005.

Reviewer for Grant Applications

(01/09). Florida State University Creative Research Council (CRC) and Cornerstone's Committee on Faculty Research Support (COFRS) program.

Consultation

Consultation

Philips Electronics U.S./Living Networks (Chicago, Baltimore)
Project title: *RSNA*. Physical-computing audiovisual environment for demonstrating advanced MRI designs. Responsible for software design and implementation and hardware installation on-site. Living Networks is a limited liability corporation, Zary Segall, Chief Operating Officer. (01/07/-03/07).

Philips Electronics Europe/Living Networks (Cologne, Baltimore)

Project title: *IDS*. RFID-controlled audiovisual environment for medical waiting rooms. Responsible for software design and implementation and hardware installation on-site. The demonstration system used a palette of physical icons embedded with RFID tags to trigger customized light and sound sequences. Living Networks is a limited liability corporation, Zary Segall, Chief Operating Officer. (01/07/-03/07).

Philips Electronics U.S./General Motors/Living Networks (Detroit, Atlanta, Baltimore)

Project title: *BICS*. Complex system to demonstrate integration of music synchronization, voice communications, dynamic lighting, robotics and navigation into a current production automobile. Responsible for software and interface design, documentation, and microcontroller and computer communication. (08/06-01/07).

Philips Electronics U.S./Living Networks (Andover, Baltimore)

Project title: *Scherzo*. Magnetic resonance imaging (MRI) audio augmentation for pediatric patients. Responsible for designing, programming, and fabricating a prototype microcontroller-based hardware and software interface to help alleviate anxiety in children required to undergo magnetic resonance imaging scans. The system used plush toys embedded with RFID tags to enable a child to preview the sound of an MRI machine and to add their own audio sequences prior to the scan. (06/06-08/06).