Electronic Theses and Dissertations: What, Why, How and Who for the Ne(x)t Generation

Dr. Karen Bradley
Associate Director
UF Graduate School
What is an ETD?

• Electronic document
  – explains the graduate student’s research
  – allows research efforts to be filed and retrieved online

• MORE than a traditional paper thesis or dissertation
Traditional paper dissertation

Essential Elements
- Text
- Figures
- Tables
- References
ETD is NOT your parent’s dissertation

Essential Elements
- Text
- Figures
- Tables
- References

- Simulations
- Virtual reality worlds
- Color images/diagrams
- Video animations
- Audio
- Technologically advanced media
- Spreadsheets
- Databases
- Hypertext links
- Other ?!?!?
- Presentations
ETD Examples

National awards
- CSGS
  - Conference of Southern Graduate Schools
  - 200+ colleges/universities in 15 southern states
- NDLD
  - Networked Digital Library of Theses and Dissertations
  - 70 universities and related partners

UF Contributions
Movie: mpeg, Spreadsheets: .xls

Evan D. Dorn

- Universal Biosignatures for the Detection of Life
- Doctor of Philosophy in Computation and Neural Systems
- California Institute of Technology
- File description: 15 files; pdf, mpeg movie, xls spreadsheets, tar compressed data files.
- URL: 
  http://resolver.caltech.edu/CaltechETD:etd-05272005-071800
- 2007 NDLD ETD Award Winner
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**D/L Ratio**
Format and Video

• Ligia Carvallos Morales
• Title: I’m not Mexican: “An exploration of Venezuela identity”
• Master of Fine Arts
• University of Florida
• File Description: pdf: color photographs, 2 column format, HTML link to video
• URL: http://etd.fcla.edu/UF/UFE0011883/carvallo_l.pdf
I'm not Mexican: "An Exploration of Venezuela Identity"

Erika Carvalho Navarro
August 2007

Summary of Project in lieu of Thesis Presented to the Graduate School of the University of Florida in Partial Fulfillment of the Requirements for the Degree of Master of Fine Arts
Architectural format

Christopher Spaw

- Title: 1219 Colorado
- Master of Architecture
- Kansas State University
- File description: pdf in architectural format
- URL: http://krex.k-state.edu/dspace/handle/2097/78
- 2007 NDLD ETD Award Winner
Title: 1219 Colorado
Authors: Spaw, Christopher Alan
Keywords: Architecture (0729); Full-scale model
Issue Date: 17-May-2005

Abstract: 1219 Colorado is the documentation of the nonlinear process of design as it applies to the reconfiguration of a residential dwelling. This process is illustrated through a collection of sketches, design drawings, construction documents and images produced from 1999 to 2005. 1219 Colorado investigates materiality the physical substance of architecture, as well as the nature of thoughtful connection, physical and theoretical through the process of making. The need to build, to make, to design, and explore is what drives the process. While the space of architecture is most often designed and perceived as lines on paper, it is through the making of physical models that the creative act of discovery reveals its greatest potential. The process explores the design of a model constructed at full-scale. No longer representational, the study is the product, the materials and methods are genuine. This process involves from the process of building in that the intention is no longer to construct only that which is designed. Rather the challenge is to explore beyond the design, reveal new possibilities, refine design decisions, and most importantly to take advantage of unforeseen opportunities that are revealed through the act of making. The scope of the task expanded periodically as a function of increasing knowledge of construction, declining acceptance of the quality of the existing condition and in order to accommodate an evolving set of programmatic requirements. To date the construct has under gone no less than three different design schemes, and a fourth will follow as the process continues to be refined and reconsidered. The project continues to evolve, grow, and change directions. 1219 Colorado explores design is not a linear process. Architecture is not always pretty.
Virtual art exhibit presented as a video game

Tim Broadwater

- Title: www.Didartic.com: Activating the Didactic, Self-Reflective Fairytale through Hypermedia as a Model for the Art Education Activist
- Master of Arts in Art Education
- West Virginia University
- File description: 52 files; pdf, gif, html; virtual art exhibit presented as a video game
- URL: https://eidr.wvu.edu/etd/documentdata.eTD?documentid=4350
- 2007 NDLD ETD Award Winner
www.Didactic.com:
Activating the Didactic, Self-Reflective Fairytale through Hypermedia
As a Model for the Art Education Activist

Timothy W. Brandner

Thesis submitted to the College of Creative Arts At West Virginia University
In partial fulfillment of the requirements For the degree of

Master of Arts
In Art Education

William J. Thomas, Ph.D., Chair
Kristina Olsen, M.A., Assistant Professor
Joseph Lupo, M.F.A., Assistant Professor

Division of Art
Morgantown, West Virginia
2005

Keywords: Art Education, Art, Hypermedia, Didactic, Didactic, Fairytale, Activist
Copyright 2005 Timothy W. Brandner

Screenshot of Interactive Game

Movie

Virtual Simulation

Coordinated & Hosted By: Florida Center for Library Automation | UF Libraries | UF Graduate School | USF & Other Partners
David Orens

- Title: an end to the other in landscape architecture: poststructural theory and universal design
- Master of Landscape Architecture
- Virginia Polytechnical Institute and State University
- File description: pdf, embedded links, color photos of landscape features
- URL: Orens, David M., April 30, 1997
  http://scholar.lib.vt.edu/theses/available/etd-4220121649751351/
an end to the ‘other’ in landscape architecture: poststructural theory and universal design

david m. reens
Audio: aif

Chan Ji Kim

• Title: Composer and choreographer [electronic resource] : a study of collaborative compositional process. II. The Lotus Flower, ballet music for chamber ensemble and two-channel audio

• University of Florida

• Doctor of Philosophy, Music

• File Description: pdf, aif (for audio)

URL: http://purl.fcla.edu/fcla/etd/UFE0013897
I. COMPOSER AND CHOREOGRAPHER: A STUDY OF COLLABORATIVE COMPOSITIONAL PROCESS
II. THE LOTUS FLOWER, BALLET MUSIC FOR CHAMBER ENSEMBLE AND TWO-CHANNEL AUDIO

By

CHAN H KIM

A DISSERTATION PRESENTED TO THE GRADUATE SCHOOL OF THE UNIVERSITY OF FLORIDA IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY UNIVERSITY OF FLORIDA 2006

Figure 6-1. Multiphonics Fingering for Clarinet in Bb

Figure 6-2. Multiphonics Fingering for Alto Saxophone

Object 6.1. Full score of The Lotus Flower as a PDF document (3.4 MB, lotus.pdf)
Object 6.2. Sound file of The Lotus Flower, the first section of electroacoustic music in section 2: The Blind Father and a Monk (5.8 MB, lotus_1.wav, 56 seconds)
Object 6.3. Sound file of The Lotus Flower, the second section of electroacoustic music in section 2: The Blind Father and a Monk (3.4 MB, lotus_2.wav, 24 seconds)
Object 6.4. Sound file of The Lotus Flower, electroacoustic music in section 3: Under the Sea, The Dragon Palace (56.5 MB, lotus_3.wav, 5 minutes, 37 seconds)
Why ETDs: Benefits to the student

• Increased access to graduate research
  – WWW contributes to worldwide graduate education
    • “…unlock the underutilized results of graduate research for the scholarly community…” (Virginia Technical Institute and State University – etd.vt.edu)
  – Immediately available
    • on campus for knowledge transfer
    • 24/7, researcher can be anywhere
  – “New Scholarship for the ne(x)t generation” = genre of electronic media

• Exposure to digital libraries
Benefits to the student

Multimedia expands the breadth and scope of research

• Flexible/better presentation of research
• More types of information can be included
  – Traditional requirements for adding illustrations limited
  – Add relevant complex multimedia files and objects
• Dynamic presentations
• Hyperlinks
Benefits to all stakeholders

• Rapid dissemination of research
• Ease of access
• Less expense to authors and libraries
  – No paper cost
  – No physical shelf space
  – Lower cataloging costs (+/-)
• Range of choices
  – All-digital
  – Digital + paper
  – Paper
Who: Team Support for Success

• Top down, bottom up
• Dean of Graduate School and other university administrators
• Academic unit and students
• Infrastructure
  – Graduate School
  – Information technology
  – Library
  – FCLA
Building a Successful ETD Program

• Identify the stakeholders
  – Find CHAMPIONS who have the will, and can find the way

• Planning
  – Stakeholders
  – Infrastructure Required
  – Acceptable formats
  – Establish relationships: the “P” company, others?
  – Publishing/patent issues
  – Funding

• Implementation Strategy
Implementation Strategies

• Policies and Procedures
  – Commitment via formal policy
  – Decision about paper submissions
  – Instructions for students and advisors
  – Help to convert documents to pdf
  – Process to submit the ETD online
  – Process to send ETDs to library
Implementation Strategies

• Library creates access
• Roll-out plan
  – publicity
  – training
Life Cycle of an ETD: Part I

1. Research
2. ETD Guidelines Training
3. Write Thesis or Dissertation
4. Committee Critiques
5. Student Defends
6. Final Revisions
7. ETD Submitted To EDM System
8. UMI & UF Forms Signed
9. EDM Accepts ETD
10. Student Graduates

Adapted with permission, Virginia Tech Graduate School www.etd.vt.edu

Coordinated & Hosted By: Florida Center for Library Automation | UF Libraries | UF Graduate School | USF & Other Partners
Life Cycle of an ETD: Part II
Getting Started

• University wide effort
• Cost/Benefit analysis
• Funding sources
Good luck!

Happy ETD’ing!