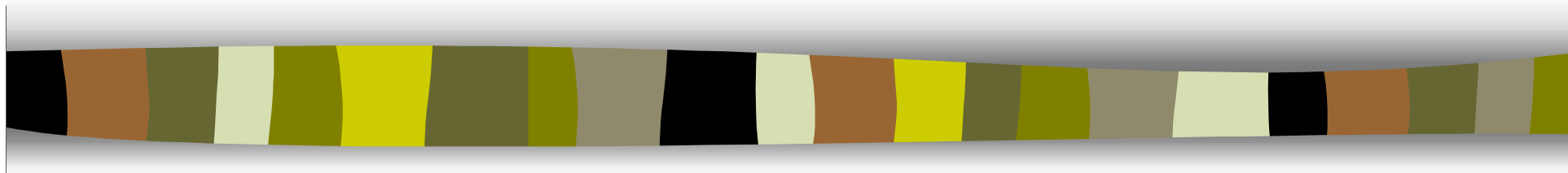


Electronic Theses and Dissertations



Gail McMillan, Virginia Tech

Digital Library and Archives, University Libraries

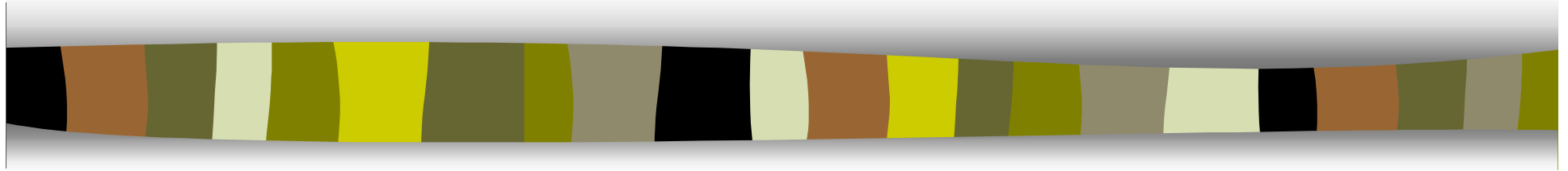
John Hagen, West Virginia University

Acquisitions, Wise Library

Nan Seamans, Virginia Tech

Instruction, University Libraries

Contemporary Turkish Coffeehouse Design Based on Historic Traditions



Timur Oral

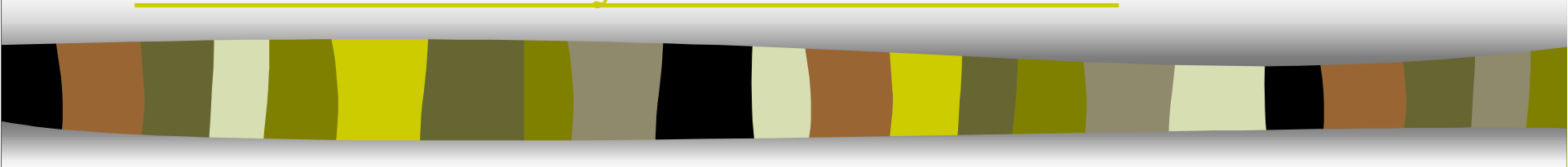
MS, Interior Design

College of Human Resources and Education, VT

April 1997

<http://scholar.lib.vt.edu/theses/available/etd-2227102539751141/>

All the King's Horses:
Delta Wing Leading-Edge Vortex System
Undergoing Vortex Breakdown:
A Contribution to its Characterization and
Control under Dynamic Conditions



Norman Schaeffler

PhD, Engineering Mechanics

College of Engineering, VT

April 1998

<http://scholar.lib.vt.edu/theses/available/etd-32498-21232/>



The Vision for ETDs

- 400,000 masters and PhD candidates annually exposed to e-publishing
- Faster and better information transfer
 - Empower students to convey richer message through use of multimedia
 - Universities publish their scholarship (timely, too)
- Improve graduate education through more effectively sharing information
- Libraries improve services and resources while saving money and space



Why digital submission?

- Students gain hands-on experience
 - preparing electronic works
 - using tools to share information effectively
- Scanned documents are costly to store, less effective than original digital documents



ETDs: Library Goals

- Improve library services
 - Better turn-around time
 - Always available
- Reduce work
 - Catalog from etext
 - Eliminate handling: mailing to UMI, bindery prep, check-out, check-in, reshelving, etc.
- Save space



Benefits: Increased Access

■ Low margin, high use

- Incorporate ETDs with other digital library activities
 - EJournals, EReserve, ImageBase (digital images)
 - Additional equipment, staff may not be necessary
 - <http://scholar.lib.vt.edu/theses/data/setup.html>
- May use VT programs, scripts, etc.
 - <http://scholar.lib.vt.edu/ETD-db/>

■ Online vs. circulation of copies

- Access statistics
- Circulation statistics



Accesses to VT's ETDs

	1997	1998	1999	2000
Total requests	247,537	465,974	1,190,113	1,894,510
Daily requests	685	1,722	3,016	5,176
ETD requests	72,854	244,987	671,981	734,807
Abstract requests	112,633	177,647	217,796	320,273
Hosts served	22,725	28,022	35,593	105,632



Concerns about ETDs

■ Inaccessible ETDs

- Patents pending
- Future publication status

■ Broken links

- Quality of work remains
 - Similar to out-of-print articles
 - Media standards

an end to the 'other' in landscape
architecture: poststructural theory and
universal design



David Orens

Master of Landscape Architecture

College of Architecture and Urban Planning

April 1997

<http://scholar.lib.vt.edu/theses/available/etd-4220121649751351/>



Concerns: Archiving

- No paper copies
 - Standard multimedia formats
 - PDF
 - An open source program
 - EJournals, government documents, etc.
 - Frequent backups, multiple locations
 - <http://scholar.lib.vt.edu/theses/archive.html>
- UMI: traditional microfilming
- VTLS: Union catalog of OAI metadata, links
- NDLTD: cooperative, inter-institutional mirroring (not yet)



What's NDLTD?

Networked Digital Library of Theses and Dissertations

<http://www.ndltd.org>

- An initiative to improve graduate education, increase sharing of knowledge, help universities build their information infrastructure, and extend the value of digital libraries
- A federation of members
 - helping evolve standards
 - Meet at conferences
 - 2002: Brigham Young University, May 30-June 1, 5th International Conference
 - 2001: Cal Tech, March 22-24, 4th International Conference
 - 2000: University of South Florida, 1999: Virginia Tech
 - Sharing information and programs
 - ETD system: submission process: <http://scholar.lib.vt.edu/ETD-db/>
- A recent topic in the news
- Led by a steering committee and working committees



Challenges to Creating and Sustaining ETD Collections

- Copyright
 - Fair use or permission
 - Authors' rights
- Attitudes about publishing
 - Reclaim university research and scholarship
- Accepted and dependable as paper or microfilm



Current Status of ETDs

- 110 universities world wide
- Required at: VT, WVU, ETSU, U. No..Tex., UT Austin, NCSU, (LSU spring 2002); U Hong Kong
- 55 US institutions have projects
- 3597 ETDs at VT, 1050 at WVU



NDLTD: US Universities

Air University, Maxwell AFB
Baylor University
Brigham Young University
California Institute of Technology
Clemson University
College of William and Marry
Concordia University (Illinois)
East Carolina University
East Tennessee State University
Florida Institute of Technology
Florida International University
George Washington University
Louisiana State University
Marshall University
Massachusetts Institute of Technology
Miami University of Ohio
Michigan Tech
Mississippi State University
Montana State University
Naval Postgraduate School, Monterey, CA
New Jersey Institute of Technology
New Mexico Institute of Mining and Technology
North Carolina State University
Northwestern University
Pennsylvania State University
Regis University
Rochester Institute of Technology
Texas A & M University
University of Central Florida
University of Colorado, Health Sciences
University of Florida
University of Georgia
University of Hawaii at Manoa
University of Iowa
University of Kentucky
University of Maine
University of North Orleans
University of North Texas
University of Oklahoma
University of Pittsburgh
University of Rochester
University of South Florida
University of Tennessee, Knoxville
University of Tennessee, Memphis
University of Texas at Austin
University of Virginia
University of West Florida
University of Wisconsin, Madison
Vanderbilt University
Virginia Commonwealth University
Virginia Tech
Wake Forest University
West Virginia University
Western Michigan University
Worcester Polytechnic Institute



NDLTD: International Universities

Alicante University
Australian National University
Biblioteca de Catalunya
Chinese University of Hong Kong
Chungnam National University (S. Korea)
City University, London
Curtin University of Technology (Australia)
Darmstadt University of Technology
Freie Universitat Berlin
Gerhard Mercator Universitat Duisburg
Griffith University (Australia)
Gyeongsang National University (Korea)
Humboldt University, Berlin
Indian Institute of Technology , Bombay
Lund University, Sweden
McGill University, Montreal, Quebec
Nanyang Technological University (Singapore)
National Sun Yat-Sen University
National University of Singapore
Pontifica Universidade Catlogica do Rio de Janeiro
Rand Afrikaans University (S. Africa)
Rhodes University (S. Africa)
Shanghai Jiao Ton University (China)
St. Petersburg State Technical U. (Russia)
Sudanese National Electronic Library
Universitat Autonomca de Barcelona
Universitat d'Alacant

Universitat de Barcelona
Universitat de Girona
Universitat de Leida
Universitat Oberta de Catalunya
University Politecnica de Catalunya
University Politecnica de Valencia (Spain)
Universitat Pompeu Fabrra
Universitat Rovira I Virgini
Universite Laval (Quebec)
University of Bergen (Norway)
University of Antioquia (Medellin, Colombia)
University of British Columbia
University of Campinas
University of Guelph (Ontario)
University of Hong Kong
University of Melbourne
University of Mysore
University of New South Wales
University of Pisa
University of Queensland
University of Sao Paulo (Brazil)
University of Syndey
University of Utrecht
University of Waterloo
Uppsala University
Wilfrid Laurier University

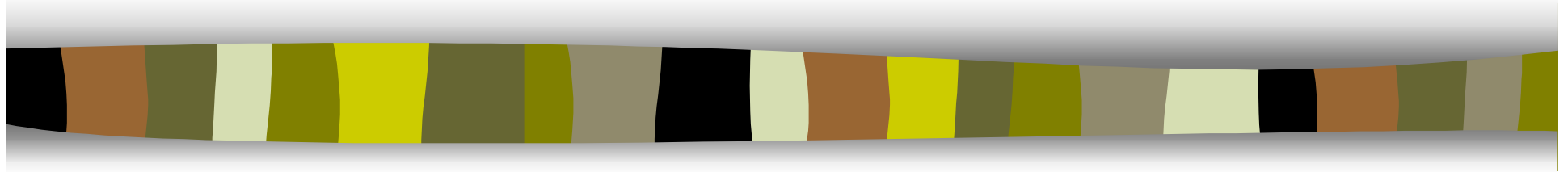


Lessons from ETDs

- Implementation of new formats slower than expected
 - still text oriented (faculty influence)
 - new graduate students can plan for ETDs
- Requiring institutions slower/few than expected
- If you build it, it will get used.
 - access exceeded expectations
 - disappointing number are inaccessible
- No longer experimental
 - surprising increase in number and diversity of NDLTD institutions
- Remarkable increase in exposure to graduate student research

ETDs

Case Studies at WVU and VA Tech



John Hagen, West Virginia University
Acquisitions, Wise Library