USETDA 2018

Eighth Annual Conference of the
United States Electronic Thesis and Dissertation Association
Denver, Colorado | September 12–14

CLIMBING EVER HIGHER

Summit on Scholarly Communications in Graduate Education

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The US ETD Association presents

USETDA 2018 Conference

Climbing Ever Higher—Summit on Scholarly Communications in Graduate Education

Denver, Colorado

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PROGRAM GUIDE

For more information about USETDA and the USETDA 2018 conference, please visit:
www.usetda.org

#USETDA2018

USETDA   2018   CONFERENCE   PLANNING   COMMITTEE

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WELCOME

Dear Colleague,

The USETDA Conference Planning Committee, the Auraria Library, and Brigham Young University are delighted to welcome you to Denver, Colorado for the Eighth Annual USETDA Conference "Climbing Ever Higher: Summit on Scholarly Communications in Graduate Education."

This year's program features a keynote addressing new directions in training students and faculty in writing and facilitating dissertations by Maureen McCarthy, PhD, Director of Best Practices and Advancement at the Council of Graduate Schools. Dr. McCarthy is a well-known and sought-after speaker on topics such as the future of doctoral dissertations and the necessary changes needed to accommodate new formats.

The opening plenary session focuses on the renewed interest in the creation of regional networks that help support the changing needs of graduate students, their faculty, and the graduate services infrastructure on which they all depend.

The full program includes workshops, breakout presentations, poster presentations, a vendor fair, and user group meetings.

In addition to breakfast and lunch networking opportunities, join us on Wednesday evening for the opening reception in the hotel's Atrium Alcove. And don't forget to sign up for the ever-popular "Dine-Arounds" and enjoy dinner at one of Denver's many restaurants on Thursday evening.

We hope you take some time to explore the capital city and the stunningly majestic surroundings of Denver while you are here. A tour of the newly renovated Auraria Library and the unique tri-institutional campus it serves is planned for Monday morning; as well as a post-conference tour of the Denver Mint on Friday afternoon.

Should you have any questions, please feel free to stop by the registration desk in the Crystal Foyer.

CONFERENCE HOTEL
Embassy Suites Downtown
1420 Stout Street Denver, CO 80202
352-592-1000

LOCAL INFORMATION

DINING

Rioja
1431 Larimer Street
303-820-2282
$$ Mediterranean

Freshcraft
1530 Blake Street
303-758-9608
$$ Comfort food

Biker Jim's
2147 Larimer Street
720-746-9355
$ Gourmet hot dogs

Lazo Empanadas
1319 22nd Street
303-296-6710
$ Argentinian

My Brother's Bar
2376 15th Street
303-455-9991
$ American

Ace Eat & Serve
501 E 17th Avenue
303-800-7705
$$ Asian Fusion

Tom's Diner
601 E Colfax Avenue
303-861-7493
$ American, Diner

Pho-Natic
229 E Colfax Avenue
303-832-3154
$ Pho

Cuba Cuba
1173 Delaware Street
303-605-2822
$$ Cuban

MAX's Wine Dive
696 Sherman Street
303-593-2554
$$ Southern, Wine

La Pasadita Inn
1959 Park Ave W
303-832-1785
$ Unpretentious TexMex

Welton St. Cafe
2736 Welton Street
303-296-6602
$$ Southern

SHOPPING, FUN

Denver Art Museum
100 W 14th Avenue
denverartmuseum.org
Art museum

Denver Zoo
2300 Steel Street
denverzoo.org
Zoo

Denver Botanic Gardens
1007 York Street
botanicgardens.org
Museum, gardens

Larimer Square
Larimer St, bw 14th and 15th Sts.
larimersquare.com
Specialty shops, dining

Santa Fe Art District
Santa Fe Drive
denverartdistrict.org
Art galleries, theaters, eateries

Molly Brown House Museum
1340 Pennsylvania Street
mollybrown.org
Home of philantropist and noted
Titanic survivor, Molly Brown

Red Rocks Amphithre
183000 W Alameda, Morrison, CO
redrocksonline.com
World famous concert venue,
museum, park, and hiking trails

Denver Mountain Parks
22 Parks within 10-15 miles of
Denver
mountainparksfoundation.org
Public parks, hiking, rafting, camping

El Chapulepec
1962 Market Street
thepeccolorado.com
World-famous jazz club

Denver Public Library (Central)
10 W 14th Avenue
denverlibrary.org
Main public library

Lion's Lair Lounge
2022 E Colfax Avenue
lionslairco.com
Dive bar, music venue

1up Colfax
717 E Colfax Avenue
the-1up.com
Massive arcade bar with hundreds of
classic cabinets and pinballs

BREWERIES

Ratio Beerworks
2920 Larimer Street
ratiobeerworks.com
Large, industrial taproom, patio

Tivoli Brewing Co.
900 Auraria Parkway
tivolibrewingco.com
Brewery on Auraria Campus

Our Mutual Friend
2810 Larimer Street
omfbeer.com
Quaint literary brewery

TRVE
227 N Broadway #101
trvebrewing.com
Denver's best heavy-metal themed
brewery

Great Divide
2201 Arapahoe Street
greatdivide.com
One of Denver's oldest and most
venerable breweries

Alpine Dog
1505 N Ogden Street
alpinedogbrewery.com
Open-air brewery with a ski-bum
motif

2018 USETDA SCHEDULE

WEDNESDAY, SEPT. 12

8 a.m.–4 p.m.	Registration & Vendor Fair (Crystal Foyer) + Breakfast (8:00-9:00am - on your own)		
	CRYSTAL SALON A	CRYSTAL SALON B	CRYSTAL SALON C
9 a.m.–noon	Workshop: ETDs for Beginners	Optional tour of Auraria Library and Auraria Campus	Workshop: Approaching the summit: An expedition to create the world's most versatile ETD Submission and Management System (Vireo / TDL)
Noon–1:30 p.m.	Lunch (Crystal Salon B)		
1:30–2:30 p.m.	Opening Plenary, Welcome From The Hosts, "Better Together: Unleashing the Potential of Our Regional Networks" - Panel Discussion (Crystal Salon C Ballroom): Moderator: Heidi Arbisi-Kelm		
2:30–2:45 p.m.	Break (Crystal Foyer)		
	CRYSTAL SALON A	CRYSTAL SALON B	CRYSTAL SALON C
2:45–3:45 p.m.	Taking Geology and Chemistry ETDs to New Heights Moderator: Matthew Mariner	Streamlining Undergraduate Thesis Workflow with Vireo Moderator: John Hagen	Publication, Intellectual Property, and Commercialization Moderator: Sally Evans
3:45-4 p.m.	Break (Pre-function Space)		
4–5 p.m.	To Amazon and Beyond: UF's Pilot of Print-on-Demand for ETDs Moderator: Matthew Mariner	In Search of the Multimodal Thesis Moderator: Stacy Wallace	Embracing the Alphabet Soup: Educating students on CC, DOI, and ORCID for their ETD Moderator: Hannah Miller
5-5:30 p.m.	Break (Crystal Foyer)		
5:30-7:30pm	Welcome, Announcements, Opening Reception (Atrium Alcove)		

THURSDAY, SEPT. 13

8 a.m. –4 p.m.	Registration & Vendor Fair (Crystal Foyer)		
8–9:15 a.m.	Breakfast and Regional ETD Association Networking (Crystal Salon B)		
9:15–10:45 a.m.	Introduction & Keynote (Crystal Salon C Ballroom)		
10:45–11 a.m.	Break (Crystal Foyer)		
	CRYSTAL SALON A	CRYSTAL SALON B	CRYSTAL SALON C
11 a.m.–noon	Complex Born-Digital ETD's: The Challenges Libraries Face Moderator: Christy Shorey	Got an Amazon Rank? Increasing Discovery & Usage of ETD Research Moderator: Christine Baker	Using ETDs to Overcome Obstacles to Teaching Digital Literacy and Content Management Moderator: Matthew Mariner
Noon–1:15 p.m.	Lunch (Crystal Salon B)		

	CRYSTAL SALON A	CRYSTAL SALON B	CRYSTAL SALON C
1:30–2:30 p.m.	Beyond the PDF: Collecting the Next Generation of Student Work Moderator: Ellen Metter	Perfectly Cromulent: The Evolution of an Embargo Policy Moderator: Matthew Mariner	3D: DOIs, Data Files, and Digital Commons Moderator: John Hagen
2:30-4 p.m.	Vendor Fair and Poster Session		
4–5 p.m.	ETD Administrator User Group Meeting	Vireo Users Group Meeting	
5–5:30 p.m.	Break		
5:30 p.m.	Dine Arounds (off site - dine on your own in small groups)		

FRIDAY, SEPT. 14

8-9 a.m.	Breakfast (on your own)	
	CRYSTAL SALON A	CRYSTAL SALON C
9 a.m. –noon	Using the ETD+ Toolkit to Teach Data Management Skills (Educopia)	**(1) 9 - 10am:** Centralizing ETD Processing in the Library: Owning the Roles of ETD Administration, Research Librarianship, and Scholarly Communications; Moderator: Sally Evans **(2) 10 - 11am:** Bringing research to life with multidimensional 3D PDF content - investigating the case in dissertation publishing; Moderator: Matthew Mariner **(3) 11am - 12pm: W** Copyright Essentials for Student-Authored Works Session Moderator: John Hagen
2:00 - 2:45ish	Tour of Denver Mint	

KEYNOTE SPEAKER

MAUREEN MCCARTHY, PHD

Director, Best Practices and Advancement Council of Graduate Schools

Maureen McCarthy, PhD, is the Director of Best Practices and Advancement at the Council of Graduate Schools. McCarthy has led CGS Future of the Doctorate projects including the Future of the Doctoral Dissertation workshop and community discussions.

Keynote: DISSERTATIONS IN CONTEXT

Broadening notions of PhD career paths, team science, and big data – so much about doctoral education is changing. Should dissertations change too? In her keynote address, McCarthy will discuss how new approaches to doctoral training may shape the PhD dissertation of the future, and how university policies can encourage or inhibit innovation. This presentation will situate dissertations in the larger conversations about the changing nature of work, the future of scholarly communication, and the new ways in which knowledge is being created. These forces are changing how graduate school is structured and what students expect from their educational experiences.

The Council of Graduate Schools has been promoting a student-centered approach to graduate education that focuses on what students should know and be able to do when they graduate—and how they feel about their experience. Where do dissertations fit into this conversation? What do graduate deans know—and what don't they know—about issues such as ethical guidance, copyright, ADA compliance, data management, and other relevant areas.

SESSION ABSTRACTS

ETDS FOR BEGINNERS

Moderator: John Hagen, *Renaissance Scholarly Communications*

9:00 AM - NOON, Crystal Salon A

The successful implementation of electronic thesis and dissertation programs on campus can at first, seem to be a daunting task. This primer will prove extremely helpful in assisting you through this process. Armed with a team of experts, the "ETDs for Beginners" session will introduce you to concepts such as the myriad of free resources available through the USETDA and the NDLTD. Topics will include ETD implementation and political strategies, discussion of various models of homegrown ETD systems versus pre-packaged open source and commercial repository systems, ETD office automation strategies, the role of university libraries and graduate school in ETD program implementation and archiving, intellectual property issues, and ETD Lifecycle Management. We will explore the usefulness of and approaches to consortia and networking to build ETD programs. This 3-hour workshop is open to rookies as well as veterans who would like a refresher on latest basic ETD concepts and resources. Get more out of attending the ETD Symposium by attending this free session.

APPROACHING THE SUMMIT: AN EXPEDITION TO CREATE THE WORLD'S MOST VERSATILE ETD SUBMISSION AND MANAGEMENT SYSTEM

Moderator: Stephanie Larrison, *Texas State University*

9:00 AM - NOON, Crystal Salon C

Our journey to create Vireo 4 began more than two years ago with hopes for a release in the summer of 2016. However, development of this ETD Submission and Management System has proven to be a more monumental task than originally anticipated. Many times we believed we reached the summit, only to find that our destination was still beyond reach.

The development of Vireo 4 hit a major milestone in Spring 2018 when a beta version was released for the first round of testing. Additional development and testing are needed but the summit is in view.

The purpose of this workshop is to provide an in depth demonstration of Vireo 4 highlighting the versatility of creating custom workflows and vocabularies. With Vireo 4, institutions with decentralized ETD processing can create a submission form, or workflow, that is unique to each college, or department, or degree, or any category that distinguishes the decentralization. In addition, each organization can create a controlled list of terms specific to their needs (ie. a list faculty names, specialties, majors) making metadata collection more efficient and accurate. With full Shibboleth integration, institutions have the ability to import any number of attributes from the university.

This workshop is intended for anyone interested in ETD submission systems as well as current Vireo users. In addition to the more advanced features, the presenters will provide a broad overview of Vireo, describing what it does, what it integrates with, and how it saves time and duplication of effort for students, graduate school professionals, librarians, and repository managers.

Learning outcomes include:

• Familiarity with the basic functions of Vireo from student and staff perspectives

• Familiarity with the new organizational structure of Vireo 4 and the creation of workflows

• Familiarity with the creation and application of controlled vocabularies to select fields

TAKING GEOLOGY AND CHEMISTRY ETDS TO NEW HEIGHTS

Donald G. Williams, *University of Alabama*

2:45 - 3:45 pm, Crystal Salon A

Theses and dissertations are essential components within institutional repositories, and universities have been sharing these resources openly for some time. It's likely that our workflows ingesting ETDs into our repositories are well established and are not given a second thought. But is there more we can be doing to enrich these publications and increase their impact for other researchers? For Chemistry and Geology theses and dissertations there certainly is.

The University of Utah's Marriott Library undertook a project scanning the maps accompanying older geology theses and dissertations, which had been available only as hard copies, and began combining the map image file with its corresponding thesis in the IR. As the project progressed, the library's GIS specialist saw the potential to geo-reference the map images and create Keyhole Markup language Zipped (KMZ) files. These KMZ files were also added to the ETD record in the repository which allowed for further spatial analysis and 3-D viewing with GIS software and Google Earth.

Currently, the library at the University of Alabama is taking steps to enrich its chemistry theses and dissertations. Working with graduate students and faculty, Alabama is creating machine-readable chemical structure data files (SDFs) of the primary synthesized substances from chemistry theses and dissertations. These files are shared in the IR, as well as in PubChem, enhancing options for re-use with many cheminformatics toolkits and other software packages.

This presentation will demonstrate that the ETDs in our repositories can be more than a static pdf file. By taking advantage of new technologies and sharing files of supporting data, we can provide users greater interactivity and more opportunities for further analysis with our scholarly resources; thereby enhancing the impact of our ETDs and taking our repositories to new heights.

STREAMLINING UNDERGRADUATE THESIS WORKFLOWS WITH VIREO

Lynn Durgin and Monika Mevenkamp, *Princeton University*

2:45 - 3:45 pm, Crystal Salon B

Since 2013, when the Princeton University Archives (PUA) began collecting senior theses in digital format in order to increase access to this extensively used resource, PUA has worked to establish a workflow and allied technology to support the collection, review, and publish of senior theses in the DSpace repository. To this end, we sought to develop a system that would support self submission of senior thesis files by students, while streamlining the backend workflows for staff in academic departments and in the PUA.

Our quest for a system that would accomplish these goals consisted of three main iterations that each realized incremental improvements. In the most recent iteration we adapted Vireo 3 as the tool to collect theses from students, facilitate review, sharing and approval of theses for staff in academic departments, and to support ingestion into our DSpace repository. In this iteration we saw a substantial productivity improvement over earlier efforts.

In our presentation, we will identify the factors that contributed to the success of the Vireo adaptation including the lessons learned from earlier uses of technologies (such as piloting features), the ways in which we collaborated with stakeholders to gain buy-in and to determine functionality, the leveraging of expertise from across the university in the areas of user experience and accessibility, and strategic adaptation of Vireo 3 to meet our specific needs. The final product supports a simple, submit-review-export workflow that could be applied to other use cases such as graduate ETDs. We will review the challenges encountered, the compromises we made, and the solutions that we developed to meet challenges.

PUBLICATION, INTELLECTUAL PROPERTY, AND COMMERCIALIZATION

David M. Brown, *Brigham Young University*

2:45 - 3:45 pm, Crystal Salon C

University employees who make decisions about the publication of theses and dissertations often wonder (1) what type of intellectual property exists for these publications and (2) how publication can affect those rights. We will discuss how the law treats property rights in publications and how a university's commercialization efforts can be addressed when publication occurs.

Intellectual property laws affect all areas of academia. Students and faculty members often wonder what rights they have in theses and dissertations and how publication will affect commercialization. We will address these legal issues and provide practical guidance for approaching tech transfer issues.

TO AMAZON AND BEYOND: UF'S PILOT OF PRINT-ON-DEMAND FOR ETDS

Christy Shorey, *University of Florida*

4:00 - 5:00 PM, Crystal Salon A

In spring 2018 the University of Florida and BiblioLabs began a pilot project to provide print-on-demand publishing for ETDs. These works will be available for order through Amazon and other book outlets. Phase one builds upon the outreach efforts of UF's retrospective dissertation scanning project to offer the print-on-demand service to authors of born-digital and digitized ETDs. Work is also being done with UF's Graduate School to incorporate a print-on-demand opt-in selection with the final ETD submission. Additionally, efforts from the libraries to incorporate Machine Assisted Indexing for the ETD collection will be incorporated in the metadata provided through the publisher. Based on student feedback, we expect this project to provide graduates a way to obtain copies of their work for themselves, or to share with others. Also, this process will open up discoverability of UF students' research to a broader community than is reached through traditional, academic publishing routes. This presentation will provide (1) an overview of the pilot, (2) updates on outreach efforts to previous authors, and (3) a look ahead as we roll out the print-on-demand option to new graduates, as well as any speed-bumps we have encountered along the way.

IN SEARCH OF THE MULTIMODAL THESIS

Brendan Paul Jacobs, *Melbourne Polytechnic (AUS)*

4:00 - 5:00, Crystal Salon B

This presentation provides an overview of some of the issues involved in publishing educational research as a digital web-based thesis. The purpose of this presentation is to offer some guidelines for other researchers who wish to pursue the multimodal publication option and to report on a range of unanticipated affordances in addition to the obvious benefits of ease of use, embedded media, and functionality.

There is a deliberate irony in this title as it is not really about trying to find a multimodal thesis, but rather, trying to write one. To gain a sense of the current state of multimodal theses, it is necessary to revert to a more established term, namely, electronic theses and dissertations (ETD). ETDs are more common in disciplines such as the Arts and particularly in Media studies. The Networked Digital Library of Theses and Dissertations (NDLTD) recently marked their 20th anniversary of publishing and archiving research (http://ndltd.org) and first initiated annual awards for publishing ETD in 2004. Although this site has a searchable database, it is difficult to determine when the first multimodal PhD thesis in the field of Education was published. The PhD thesis which informs this presentation was completed through the University of Melbourne in 2015 and is titled Storyboard: Primary school students designing and making explanatory animations (http://www.brendanpauljacobs.com). The eight participants were girls and boys from grades five and six who chose their own topics and worked on their animations for one hour a week over a period of 17 weeks.

There were both anticipated and unanticipated benefits from compiling and presenting this research as a multimodal thesis. The anticipated benefits were alluded to in the rationale for presenting the research in this format, namely convenience to access and view all of the content. Of greater interest were three unanticipated benefits, namely the ability to include access to all of the data, the inclusion of digital appendices, and the opportunity to observe patterns in the data that might not have been evident without the ability to scroll through pages.

EMBRACING THE ALPHABET SOUP: EDUCATING STUDENTS ON CC, DOI, AND ORCID FOR THEIR ETD

Chealsye Bowley, *Ubiquity Press*

4:00 - 5:00, Crystal Salon C

Thesis and dissertation workshops provide a great opportunity to educate students on increasing the impact of their graduate work and preparing students with best practices to cultivate their researcher profile into the future. Creative Commons licenses will not likely be an option that graduate students select, but educating students on Creative Commons licenses will help them have a stronger understanding of how copyright interacts

with their research and familiarize them with CC licenses for future publishing decisions; educating students on digital object identifiers provides the opportunity to discuss discoverability and tracking the impact of their research both in their dissertation and beyond; and finally, highlighting ORCID can provide students with building the basis of their digital researcher profile.

This interactive presentation will begin with a 20 minute talk on integrating education on Creative Commons licenses, digital object identifiers, and ORCID into thesis and dissertation library and graduate school workshops, provide examples of how this integration has successfully been done, and how this education can help students cultivate their digital researcher identity for the future. Then the session will move into a brief 5 minute individual exercise for participants to map potential partners, followed by a group 10 minute discussion on how educators can potentially integrate these important elements of scholarly communication into education for the thesis or dissertation. The final 20 minutes of the session will be interactive and focused on each participant drafting a next steps action plan on what to do when they return to their respective institution to better include education on CC licenses, DOIs, and ORCID within ETD outreach education.

COMPLEX BORN-DIGITAL ETDS: THE CHALLENGES LIBRARIES FACE

Anne Morrow, *University of Utah*

11:00 AM - NOON, Crystal Salon A

A steady increase in degree-bearing, born-digital works of scholarship generated on university and college campuses present challenges to librarians wishing to archive and preserve the range of ETDs produced within their institution. This session will provide an introduction to related copyright considerations, archiving multi-file/multi-format works, and digital preservation and migration. The presenter will introduce these challenges by way of sharing details of a two-year partnership with the Entertainment Arts and Engineering (EAE) program to integrate EAE scholarship into the institutional repository.

EAE is a premier game design program, consistently ranked at or near the top of The Princeton Review of game design programs. One of EAEs earliest games, Erie, is widely-regarded as the program's flagship game. Erie gained its renown from a YouTube video added by a well-known vlogger, PewDiePie, that has been viewed over 4.5 million times since 2012. However, because the dependent and executable files are lost or missing, EAE is not able to migrate Erie to newer operating platforms. In order to avoid having their scholarship marooned on defunct platforms, EAE is highly-motivated to have their scholarship archived, preserved, and disseminated by the library.

For the purposes of an USetdA audience, EAEs scholarship serves as an excellent introduction to the types of issues that libraries will confront when seeking to integrate emerging forms of digital scholarship into library collections, archives, institutional repositories, and preservation workflows. Participants will leave with an enhanced understanding of the nature of these challenges, and a potential blueprint for taking the first steps towards developing a systematic integration strategy at their home institutions.

The presenter has over a decade of experience with digital libraries and collections, institutional repositories, and digital publishing initiatives. She heads Digital Scholarship Services, overseeing USpace institutional repository, and a growing collection of library-hosted publications.

GOT AN AMAZON RANK? INCREASING DISCOVERY & USAGE OF ETD RESEARCH

Carolyn Morris, *BiblioLabs*

11:00 AM - NOON, Crystal Salon B

In an effort to make electronic theses and dissertations more readily accessible to researchers worldwide, EBSCO and BiblioLabs are collaborating on a new project called EBSCO Open Dissertations. The portal is designed to benefit both students and universities and make ETDs more discoverable. Authors can upload ETDs to share with others and in turn, universities can increase traffic to their institutional repositories. The program includes a unique component to help institutions use consumer channels to drive more discovery of their research by letting students opt into discovery via channels such as Amazon.com. The session provides detail on how the program works and shares data and feedback from early adopters, including University of Florida, Cornell University, EthOS, and Michigan State University among others. Learn how your institution can participate and offer additional value to your students as well as researchers around the globe.

USING ETDS TO OVERCOME OBSTACLES TO TEACHING DIGITAL LITERACY AND CONTENT MANAGEMENT

Gabrielle Victoria Michalek, *Carnegie Mellon University*

11:00 AM - NOON, Crystal Salon C

Digital literacy and careful content management are essential prerequisites to success in higher education today. Intellectual prowess and solid study habits are necessary, but no longer sufficient. Students collect and produce many files of digital content in their journey toward a degree, and being able quickly to locate, understand, and open the right version of the right file when the pressure is on can be crucial to their careers.

Research libraries have added data management training to their instruction offerings to increase graduate students' digital literacy and content management skills. The Educopia Institute collaborated with twelve research libraries to develop and pilot the ETD+ Toolkit to support this initiative. Attempts to deliver data management training, however, immediately encounter obstacles. How does the data management expert capture and hold the attention of busy graduate students? Who can bring students together as a captive audience? Surely not the data management expert alone. Formal connections and collaboration with campus faculty and senior management are required to motivate and focus student time and attention on data management, which presents another challenge. How do we forge these connections?

At Carnegie Mellon University, the ETD+ Toolkit was the catalyst that captured the attention and enthusiasm of the Assistant Vice Provost for Graduate Education. Now, working in partnership with the Office of Graduate Education and using the ETD+ Toolkit, we can teach graduate students best practices for managing their research outputs from inception through deposit of their thesis or dissertation in the University Libraries' digital repository. The partnership has also inspired much-needed conversation with students and faculty about scholarly communication, copyright, and research data.

In this session, I will discuss how Carnegie Mellon University Libraries used the ETD+ Toolkit to improve access to graduate students and to create meaningful relationships with them. I will offer effective strategies for assembling audiences of graduate students and imparting to them skills that improve the quality of research data files associated with ETDs. For research libraries, the urgency of the students need to know translates into the urgency of forging collaborations with those who can influence and motivate their behavior.

BEYOND THE PDF: COLLECTING THE NEXT GENERATION OF STUDENT WORK

Heidi Arbisi-Kelm, Katie Buehner, Erin Kaufman, Wendy Robertson, *University of Iowa*

1:30 - 2:30 PM, Crystal Salon A

At Iowa, the Graduate College and Institutional Repository have fielded requests from across campus to collect new, innovative forms of scholarship. During this session, presenters will share insights gained from at least two case studies and consider how the collection of new form theses will require adjustments to practices such as: the workflow many of us follow, approaches to examination, and campus outreach and guidance. Following a brief summary of the pilot examples, presenters will engage participants in a cross-functional and cross-institutional dialogue to 1) identify new submission types, 2) discuss collection and preservation successes and challenges, and, 3) discover best practices for adapting our processes to the next generation of scholarship creation.

PERFECTLY CROMULENT: THE EVOLUTION OF AN EMBARGO POLICY

Sally Evans, Shannon Williams, *George Mason University*

1:30 - 2:30 PM, Crystal Salon B

While ETDs are forever, the rules governing them are not.

Representatives from the library and a graduate academic unit at George Mason University (a Virginia public research institution with 36,000 students) discuss the history of the ETD decision-making process, describe the current university-wide compromise, and share lessons learned.

Optional electronic submission of ETDs at Mason began in 2007. In 2013, the university transitioned to mandatory electronic submission to our IR, MARS (Mason Archival Repository Service; mars.gmu.edu). At that time, Mason also instituted an embargo policy. Authors could choose to make their work available immediately in MARS, or they could choose to delay its availability for 6 months, 1 year, or 5 years. Authors who embargoed for any period had to obtain signatures on the Embargo Request Form from both their Committee Chairs and the Graduate Associate Deans of their colleges/schools.

The institutional response to embargo requests varied. On

one end of the spectrum were the students receiving MFAs in Creative Writing; all of them embargoed for 5 years, and signatures from Committee Chairs and Deans were almost automatic. In the middle were students in Engineering; they regularly had to defend their choices to embargo in order to have their advisers and Deans sign.

And on the other end of the spectrum was the Schar School of Policy and Government, which required immediate availability of all dissertations. Students did not have the option of placing an embargo on their work for any reason. The Schar School reckoned with competing values: like other academic units at the university, they stood by Mason's charge as a public research institution; at the same time, they supported students' right to safeguard and publish their research.

Then, in 2017, a Schar School PhD candidate convincingly argued for a waiver of the embargo prohibition. The School ultimately revised its policy. The mandatory ETD policy at Mason has been a work in progress since 2013, and it promises to continue its evolution. The current policy is not perfect; however, when an institution must craft a policy with agreement from disparate departments, compromise is required.

Session participants will see examples of the guidelines and materials that the various academic units use to advise their students on ETD procedures, and will have an opportunity to consider applications at their home institutions.

THURSDAY, SEPT. 13
4:00 - 5:00 PM

ETD ADMINISTRATOR USER GROUP MEETING
Austin McLean, Scott Bourns, Marlene Coles, *ProQuest*

4:00 - 5:00 PM, Crystal Salon A

Join ETD Administrators from around the world for an interactive and lively discussion of the ETD Administrator. You will learn how to get the most from the system as well as understand the newest features. You will be able to put forward your "wish list" for new functionality. ProQuest will also provide an update regarding the ETD Administrator 2.0 project.

VIREO USERS GROUP MEETING
Stephanie Larrison, *Texas State University*

4:00 - 5:00 PM, Crystal Salon B

The Vireo Users Group (VUG) guides the development of the open-source Vireo software application for ETD processing and provides an avenue for the exchange of information about Vireo needs, and utilization.

The VUG Steering Committee will report on the results of the Spring 2018 beta testing of Vireo 4 and discuss where we go from here.

Anyone currently using or interested in using Vireo for managing submission and publication of theses and dissertations is welcome to attend. More information about the Vireo Users Group is available on the VUG website at http://vireoetd.org/.

FRIDAY, SEPT. 14
9:00 - 10:00 A

USING THE ETD+ TOOLKIT TO TEACH DATA MANAGEMENT SKILLS
Gabrielle Victoria Michalek, Katherine Skinner, *Carnegie Mellon University*

9:00 AM - NOON, Crystal Salon A/B

The vast majority of Electronic Theses and Dissertations submitted to date in most colleges and universities have been comprised of text-based PDF files. However, over the last decade, many colleges and universities report a rise in student interest in submitting other file types

In a survey of 795 graduate students across nine U.S. universities conducted by the ETDplus project team, more than a third of respondents reported that non-PDF files created in their thesis and dissertation research process – including research data, video, digital art, and software code – are either as important or more important than the PDF as research outputs and evidence.

In response the IMLS-funded the "ETDplus" project (Educopia, 2014-17) worked to produce openly reusable and adaptable, student-oriented Guidance Documents and workshop series, and also a prototype tool built in Hydra Sufia that is designed to support student ETD supplementary materials submission.

In the summer of 2017, team members began using the workshop series modules to teach data management

best practices related to the ETD creation process at several universities. The lessons learned from their shared experience provided the necessary feedback to tweek how the modules are rolled out and taught to students. In this workshop, participants will learn how best to teach the materials in the toolkit modules and tailor them to the local environment.

While the modules in the ETD+ Toolkit offer practical advice to students and researchers, it is important to understand the student's research workflow to provide specific help to students. Live workshops often raise important questions and issues that are closely related to the modules, but are not covered in the toolkit materials. The Toolkit modules serve as a springboard for a wider discussion concerning digital literacy and scholarship.

This three-hour workshop will help ETD program administrators and the libraries that support them to understand and address students' needs to ensure the longevity of their research outputs. Together in the workshop, we'll discuss current and near-future needs and ways that ETD programs can help to narrow the gaps in knowledge, expertise, and infrastructure for our students.

CENTRALIZING ETD PROCESSING IN THE LIBRARY: OWNING THE ROLES OF ETD ADMINISTRATION, RESEARCH LIBRARIANSHIP, AND SCHOLARLY COMMUNICATIONS

Clarke Iakovakis, *University of Houston-Clear Lake*

9:00 - 10:00 AM, Crystal Salon C

How does a library lead the transition from print to ETDs at a mid-size university with no graduate school and minimal extrinsic institutional demand for this change? We propel it forward ourselves and own our new role, integrating expertise in scholarly communications and information access with ETD processing. In 2015, the library pitched the ETD transition to university administrators and deans. They supported it, provided the library would fully dedicate the resources to implement it. Rather than retreating, we took it as an opportunity to prioritize global access to ETDs, reduce student costs, and take control of our intellectual heritage. Three years later, the library owns our central role in ETDs and have successfully transitioned all four colleges within the university.

The library redesigned the Scholarly Communications Librarian position to serve the triple roles of ETD director, research librarian, and scholarly communications liaison. This librarian established format and submission policies, created Word templates, designed process flowcharts,

and formed partnerships with deans, faculty, department chairs, and advising coordinators. He developed networking communities at USETDA and TxETDA for training and support. We joined the Texas Digital Library, configured our Vireo and DSpace instances, and instituted metadata authority control. We wrote a FAQ and template letter for students seeking permission to use copyrighted instruments. We employed creative forms of marketing and outreach, including an interactive visualization of graduate works, an infographic comparing print checkouts to ETD downloads, and interactive word clouds of titles in the four colleges. (See http://uhcl.libguides.com/thesesdissertations/. For code/data, see https://doi.org/10.6084/m9.figshare.4959161.v1 and https://doi.org/10.6084/m9.figshare.4956782.v1.) The librarian speaks with all submitting students, allowing him to discuss open access, copyright, and embargoes, and offer research consultations and EndNote support. The library's commitment to own this multifaceted role reflects our dedication to ensuring students' ETDs have a global reach. Thousands of people from across the country and around the world have downloaded them, making this complex process worth the effort. The speaker will detail our process of retooling library positions to facilitate the transition, and consider the challenges and opportunities in developing a full package of ETD services within the library.

BRINGING RESEARCH TO LIFE WITH MULTIDIMENSIONAL 3D PDF CONTENT - INVESTIGATING THE CASE IN DISSERTATION PUBLISHING.

Elizabeth Kline, *University of Arizona Libraries*

10:00 - 11:00 AM, Crystal Salon C

The development of the 3D PDF standard transformed both sharing and interaction with content on various geospatial and temporal levels. Digital media permeates across the research workflow and serves as the common output for the modern day researcher. The universality of the Adobe technology which facilitates creation, viewing, dissemination, and manipulation suggests that introduction and adoption of this 3D technology would be an easy undertaking in academia. Already disciplines from engineering, medicine, physics, geology, chemistry, are sharing scholarly research with fully enhanced 3D content. However, how do these scholarly publishing practices translate in graduate education?

This presentation will provide a quick primer on 3D PDF

and discuss how graduates at The University of Arizona are publishing their dissertations. Common supplementary files submitted will be evaluated with an attempt to assess whether 3D PDF format would have been a better way to present content. Closer examination of dissertation practices will further inform necessary repository workflow practices, outline possible new graduate publishing services in libraries, and highlight disciplines to target with new services.

COPYRIGHT ESSENTIALS FOR STUDENT-AUTHORED WORKS

Peter Midgley, *Brigham Young University*

11:00 AM - NOON, Crystal Salon C

Copyright law grants student authors a number of exclusive rights to control dissemination of their works. These exclusive rights can be affected by university policies and important legal exemptions, such as fair use. University faculty and administrators often wrestle with how to balance the exclusive rights of student authors against the educational objectives of the university. We will address the legal issues relating to student-authored works, and discuss best practices for avoiding pitfalls and potential conflicts in connection with thesis and dissertation publication efforts.

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1939: ProQuest preserves dissertations on microfilm

1997: ProQuest Dissertations & Theses goes online for on-demand discovery

1998: U.S. Library of Congress names ProQuest official dissertations repository

2003: ETD Administrator accelerates access, streamlines submission, cuts costs

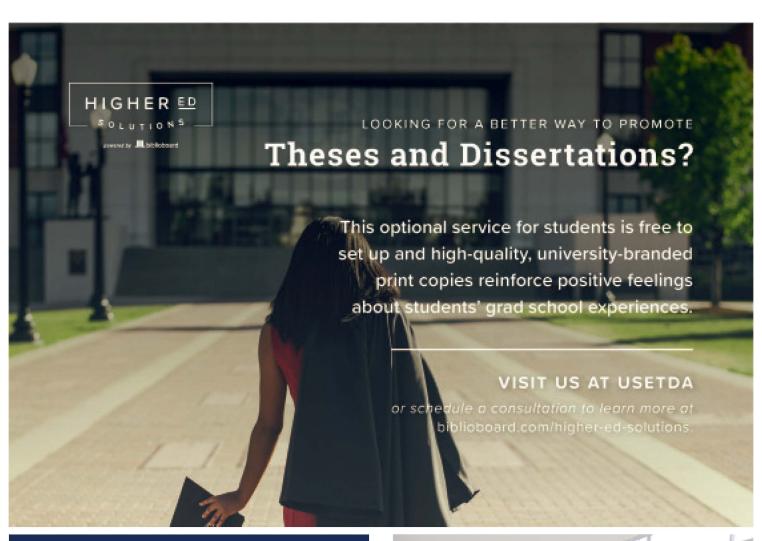**2018-2020:** Reimagined ETD Administrator takes dissertation submissions into the future
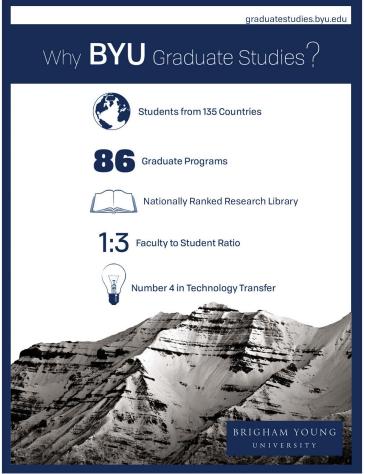
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IOWA INNOVATIONS

The **University of Iowa** was the first public university in the U.S. to admit women and men on an equal basis. Over half of our earliest theses were handwritten by women on scientific topics. **You can help** transcribe these works through our DIY History crowdsourcing project by visiting **diyhistory.lib.uiowa.edu/scholarship**.

1887 UI accepts its first graduate thesis, "The Histology of the Common Frog," by Rose B. Ankeny Edgar, one year after its first undergraduate thesis.

1922 UI permits creative works in lieu of theses. Two years later, American painter Eve Drewelowe becomes the first UI student, and one of the first in the nation, to earn a graduate degree in studio arts.

1940 Sculptor & printmaker Elizabeth Catlett becomes one of the first three UI graduates with an M.F.A. degree and the first African American woman to receive this degree.

1999 As part of a pilot program, UI accepts its first XML files as ETDs from M.A. recipients Deborah-Eve Lombard and Emily Paulos.

2017 Percussionist Christine Anne Augspurger and pianist Korak Lertpibulchaim submit the first digital audio recordings in lieu of theses for the Doctor of Musical Arts degree.

9TH ANNUAL CONFERENCE ON
Electronic Theses and Dissertations

SEPTEMBER 25-27, 2019

Bridging the Divide
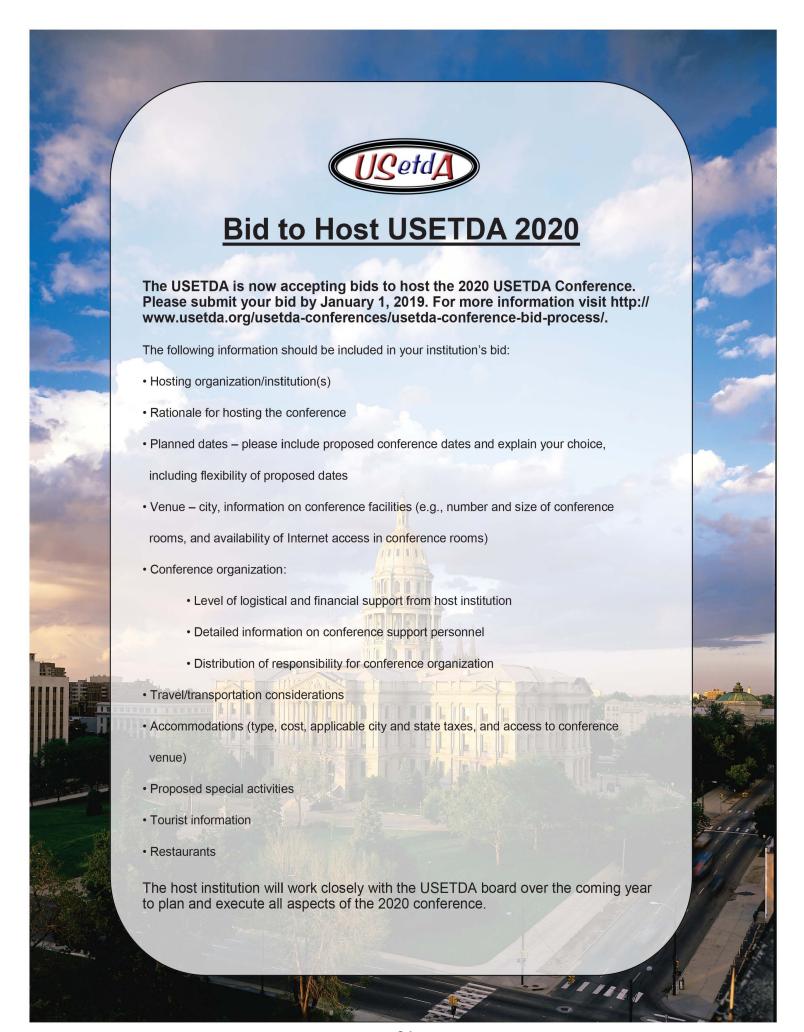## Scholarly Communications for All

USETDA 2019 ◆ CHARLESTON, SOUTH CAROLINA

ORGANIZED BY BIBLIOLABS, THE USETDA, AND
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USetdA

Bid to Host USETDA 2020

The USETDA is now accepting bids to host the 2020 USETDA Conference. Please submit your bid by January 1, 2019. For more information visit http://www.usetda.org/usetda-conferences/usetda-conference-bid-process/.

The following information should be included in your institution's bid:

• Hosting organization/institution(s)

• Rationale for hosting the conference

• Planned dates – please include proposed conference dates and explain your choice,

  including flexibility of proposed dates

• Venue – city, information on conference facilities (e.g., number and size of conference

  rooms, and availability of Internet access in conference rooms)

• Conference organization:

  • Level of logistical and financial support from host institution

  • Detailed information on conference support personnel

  • Distribution of responsibility for conference organization

• Travel/transportation considerations

• Accommodations (type, cost, applicable city and state taxes, and access to conference

  venue)

• Proposed special activities

• Tourist information

• Restaurants

The host institution will work closely with the USETDA board over the coming year to plan and execute all aspects of the 2020 conference.

VENUE LAYOUT

Colorado Reception Area

Crestone Ballroom
Salon A

Salon B

Lavatories

Salon A

Rexford Room

Crestone Foyer

Elevators

Crystal Foyer

Crystal Ballroom
Salon B

Concierge Lounge

Aspen Room
Salon A   Salon B

Salon C

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