

EVENTOS

XVI Jornadas CRAI

2018

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Centre for Digital Scholarship at Brown University
Case study



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Red de Bibliotecas
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XVI Jornadas CRAI

Los laboratorios digitales: un servicio de apoyo digital a la docencia, la investigación y el aprendizaje

Harriette Hemmasi, Brown University

UNIVERSITAT DE VALÈNCIA, 7 Y 8 DE JUNIO 2018



BROWN





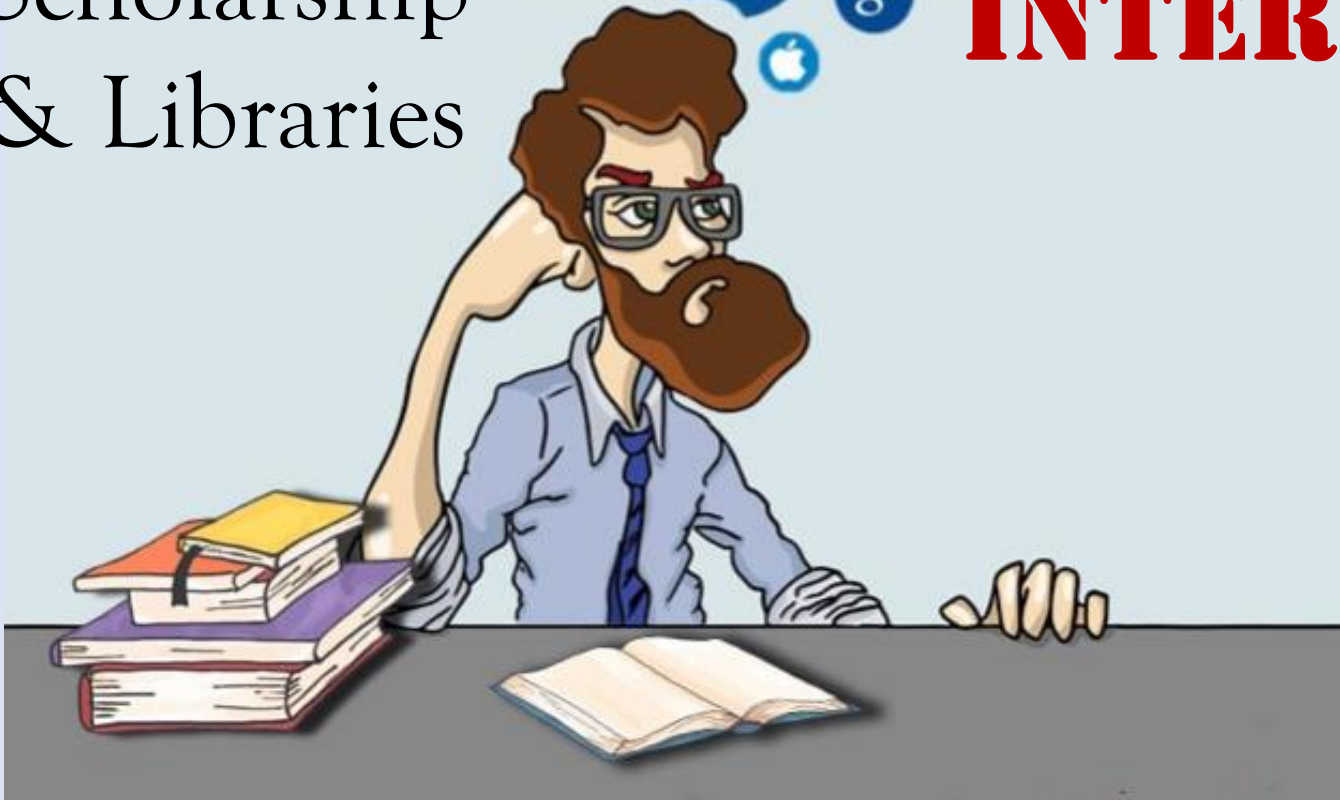
BROWN



Scholarship
& Libraries



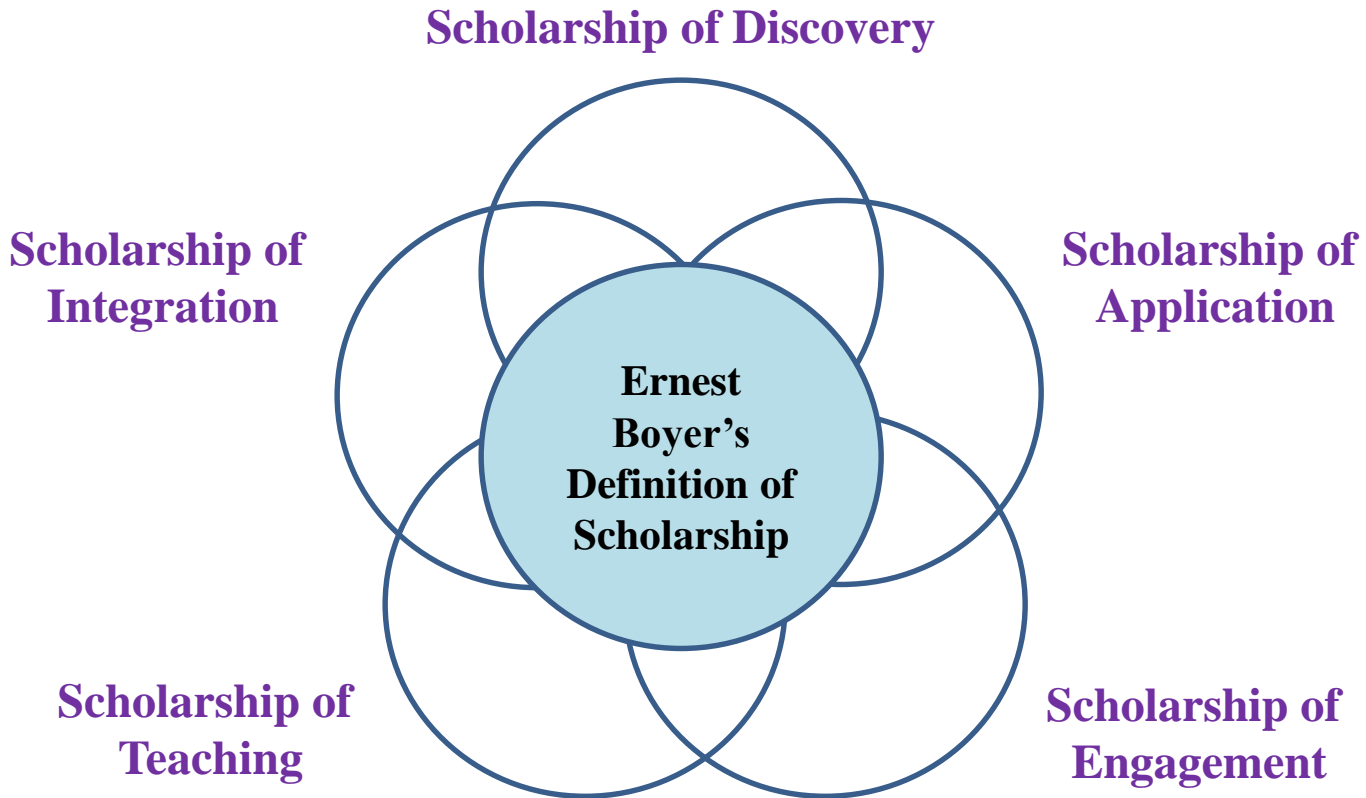
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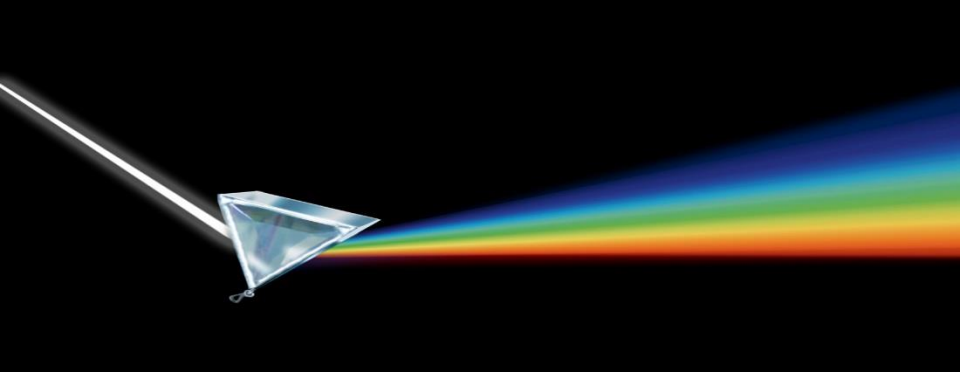


KEY ISSUES

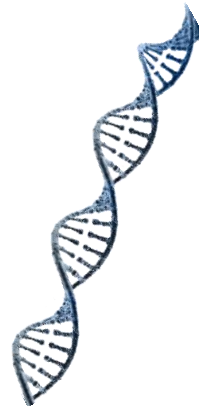
- What is scholarship?
- What are the practices of scholars?
- How are these practices changing?
- How are libraries changing to enable and participate in these practices?

Defining Scholarship



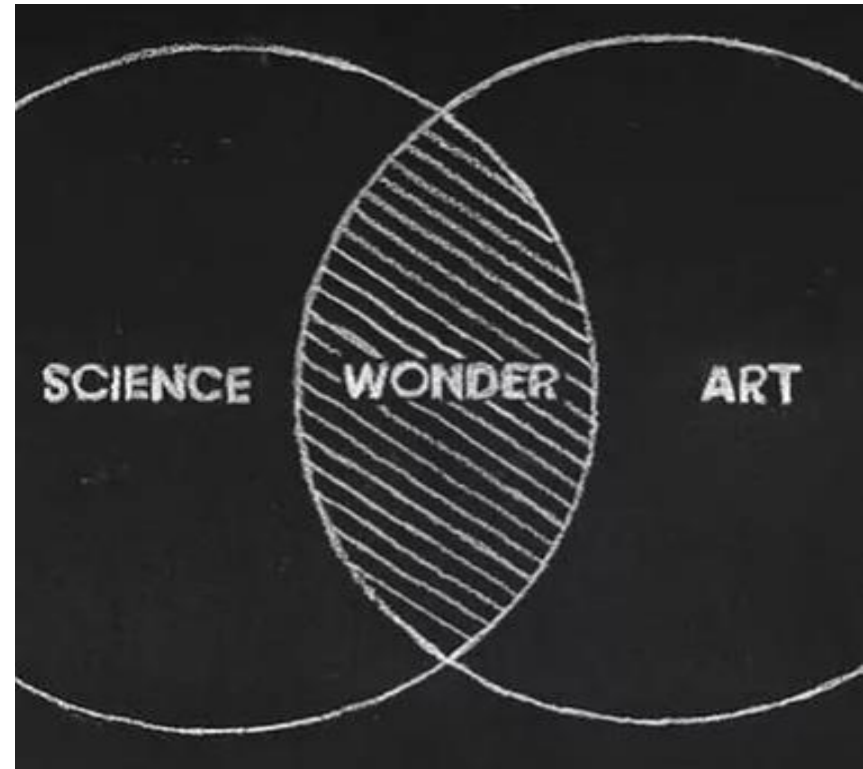


The Scholarship of Discovery



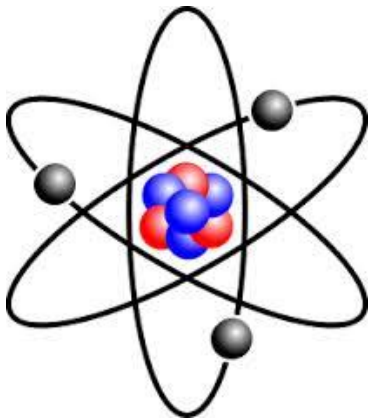
Interdisciplinarity and Higher Education

The Scholarship of Integration





The Scholarship of Application

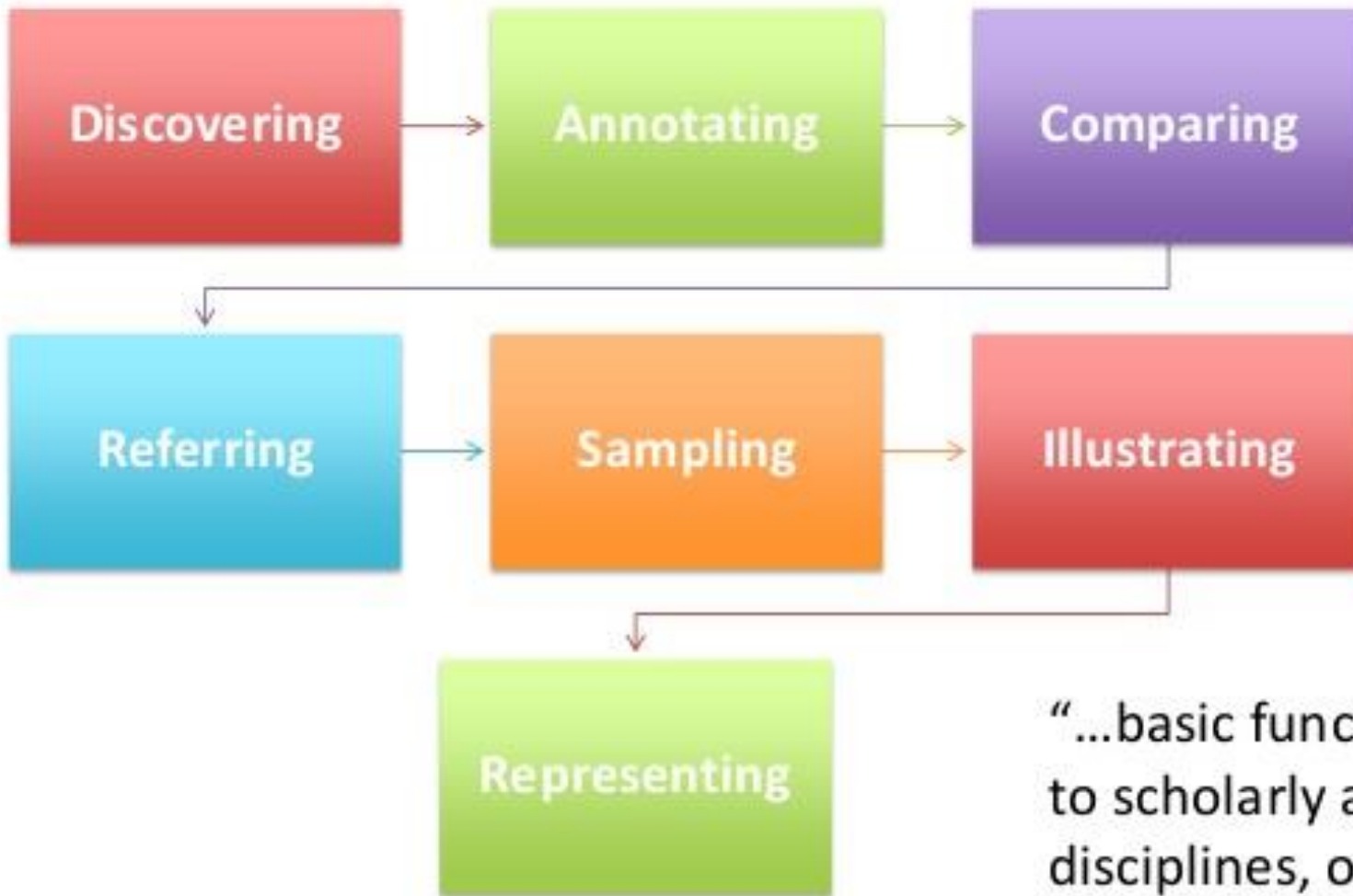




The Scholarship of Teaching



Unsworth's Outline of Scholarly Primitives



“...basic functions common to scholarly activity across disciplines, over time, and independent of theoretical orientation.”

John Unsworth. "Scholarly Primitives: What Methods Do Humanities Researchers Have in Common and How Might Our Tools Reflect This?" "Humanities Computing, Formal Methods, Experimental Practice" Symposium, Kings College, London, May 13, 2000.
<http://jefferson.village.virginia.edu/~jmu2m/Kings.5-00/primitives.html>

Write a commentary on one of the following:

I. (a)

business

She was almost through with her figures when she heard a cart drive up to the gate, and looking out of the window she saw her two elder brothers. They had seemed to avoid her ever since Carl's return's arrival, four weeks ago that day, and she hurried to the door to welcome them. She saw at once that they had come with some very definite purpose. They followed her stiffly into the sitting-room. Oscar sat down, but Lou walked over to the window and remained standing, his hands behind him.

"You are by yourself?" he asked, looking toward the doorway into the parlor. "Yes. Carl and Emil went up to the Catholic fair."

For a few moments neither of the men spoke. Then Lou came out sharply. "How soon does he intend to go away from here?" "I don't know, Lou. Not for some time, I hope," Alexander spoke in an even, quiet tone that often exasperated her brothers. They felt that she was trying to be superior with them.

Oscar spoke up gently. "We thought we ought to tell you that people have begun to talk," he said meaningly.

Alexandra looked at him. "What about?" Oscar met her eyes blankly. "About you, keeping him here so long. It looks too foolish to be hanging on to a woman this way. People think you're getting taken in."

Alexandra shut her account-book firmly. "Boys," she said seriously, "don't let's go on with this. We won't come out anywhere. I can't take advice on such a matter. I know you mean well, but you must not feel responsible for me in things of this sort. If we go on with this talk it will only make hard feeling."

Lou whipped about from the window. "You ought to think a little about your family. You're making us all inefficient."

"How am I?" "People are beginning to say you want to marry the fellow."

"Well, and what is ridiculous about that?" Lou and Oscar exchanged crossed looks.

"Alexandra! Can't you see he's just a tramp and he's after your money? He wants to be taken care of, he does!"

"Well, suppose I want to take care of him? Whose business is it but my own?" "Don't you know he'd get hold of your money?"

"He'd get hold of what I wished to give him, certainly."

Oscar sat up suddenly and Lou clutched at his bristly hair. "Give him!" Lou shouted. "Our property, our homestead?"

"I don't know about the homestead," said Alexandra quietly. "I know you and Oscar have always expected that it would be left to your children, and I'm not sure but what you're right. But I'll do exactly as I please with the rest of my land, boys."

"The rest of your land!" cried Lou, growing more excited every minute. "Didn't all the land come out of the homestead? It was bought with money borrowed on the homestead, and Oscar and me worked ourselves to the bone paying interest on it."

Separating family interests

"Yes, you paid the interest. But when you married we made a division of the land, and you were satisfied. I've made more on my farms since I've been alone than when we all worked together."

"Everything you've made has come out of the original land that my boys worked for, hasn't it? The farms and all that comes out of them belongs to us as a family."

Alexandra waved her hand impatiently. "Come now, Lou. Stick to the facts. You are talking nonsense. Go to the county clerk and ask him who owns my land, and whether my titles are good."

Lou turned to his brother. "This is what comes of letting a woman meddle in business," he said bitterly. "We ought to have taken things in our own hands years ago. But she liked to run things, and we humored her. We thought you had good sense, Alexandra. We never thought you'd do anything foolish."

Alexandra rapped impatiently on her desk with her knuckles. "Listen Lou. Don't talk wild. You say you ought to have taken things into your own hands years ago. I suppose you mean before you left home. But how could you take hold of what wasn't there? I've got most of what I have now since we divided the property; I've built it up myself, and it has nothing to do with you."

Oscar spoke up solemnly. "The property of a family really belongs to the men of the family, no matter about the title. If anything goes wrong, it's the men that are held responsible."

"Yes, of course," Lou broke in. "Everybody knows that. Oscar and me have always been easy-going and we've never made any fuss. We were willing you should hold the land and have the good of it, but you got no right to part with any of it. We worked in the fields to pay for the first land you bought, and whatever's come out of it has got to be kept in the family."

Oscar reinforced his brother, his mind fixed on the one point he could see. "The property of a family belongs to the men of the family, because they are held responsible, and because they do the work."

Alexandra looked from one to the other, her eyes full of indignation. She had been impatient before; but now she was beginning to feel angry. "And what about my work?" she asked in an unsteady voice.

Lou looked at the carpet. "Oh, now, Alexandra, you always took it pretty easy! Of course we wanted you to. You liked to manage round, and we always humored you. We realize you were a great deal of help to us. There's no woman anywhere around that knows as much about business as you do, and we've always been proud of that, and thought you were pretty smart. But, of course, the real work always fell on us. Good advice is all right, but it don't get the weeds out of the corn."

"Maybe not, but it sometimes puts in the crop, and it sometimes keeps the fields for corn to grow in," said Alexandra dryly. "Why, Lou, I can remember when you and Oscar wanted to sell this homestead and all the improvements to old preacher Ericson for two thousand dollars. If I'd consented, you'd have gone down to the river and escaped along on poor farms for the rest of your lives."

A. has done most to build up the business

Willa Cather, *O Pioneers!* (1913)

Adventure/hardship new frontiers

Turn over/Voir au dos/Véase al dorso
Sounds like a call - a rallying cry before a march

3rd person

Tension

Small community family dispute

honour

property ownership inheritance land

A = stubborn, self-confident

work

Brothers = railroad determined men vs. women

superior attitude

men/women's rights

Brothers united

brain vs. brawn

the absent man, Carl

money

she's independent - they're influenced by community to justify herself

bitter

responsibility

angry

more understand

Patronizing brothers



(Norm Shafer/ The Washington Post) - J. Jefferson Looney, editor of the Papers of Thomas Jefferson Retirement Series, edits one of Thomas Jefferson's letters that has been digitized by his staff, in his office at the Jefferson Library in Charlottesville.

References should be given for 'all direct or indirect quotations, and in acknowledgement of someone's opinions, or of a source of factual information which is not general knowledge'.¹ Smith and Crane point out that the main objective of citing references is to give sufficient information to allow sources to be located.² Additionally, 'another important principle is to make reference to that information in the source in hand. As a rule, it is not necessary to provide supplementary information that has to be located elsewhere'.³

¹ Nicholas S.R. Walliman, *Your Research Project: A Step-by-step Guide for the First-time Researcher* (London: SAGE, 2001), p. 301.

² John Smith and Nancy B. Crane, *Electronic Styles: A Handbook for Citing Electronic Information*, 2nd edn (Medford, NJ: Information Today, 1996), p. 3.

³ Smith and Crane, p. 3.



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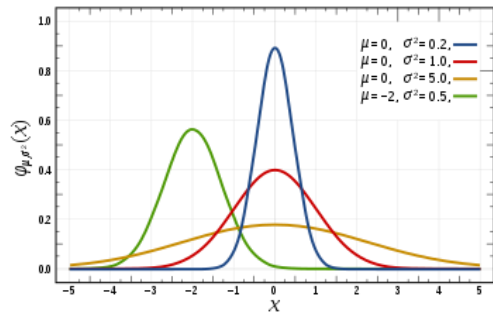
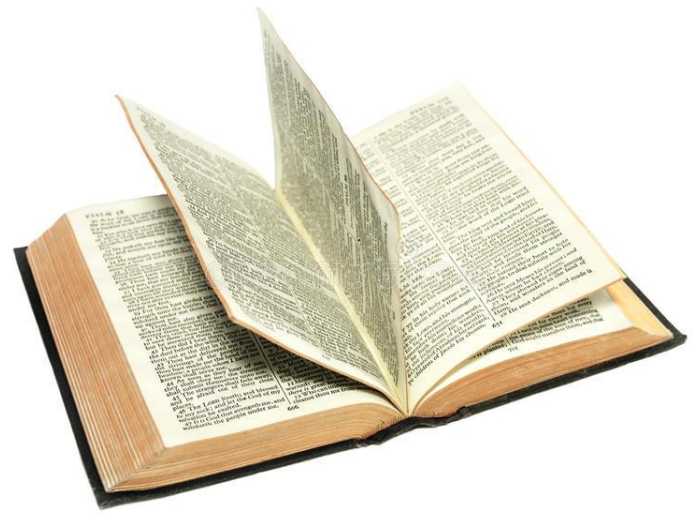


СТЫИ ПРИБЫВАА БЕЗМАТЕ
ВІД ДНІ ННОЩІ. ИМЕЛА
ЗДАА МАТКІ СВОІ. ИИ
ШОУ ЕМОУ ПИЩА. ИО

НАБГА. ПОМЫСЛА
НОЕ. ВОЗВЕРЗНА
ИТОИТА ПРЕРИТАЕ
МАЛЪ ВРЕМЕНИ ПРЕР
СВОЕИ. И СЕРИ ДОША
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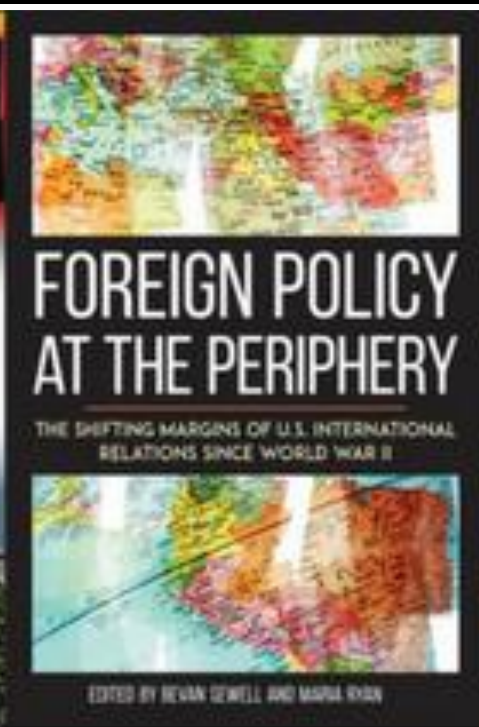
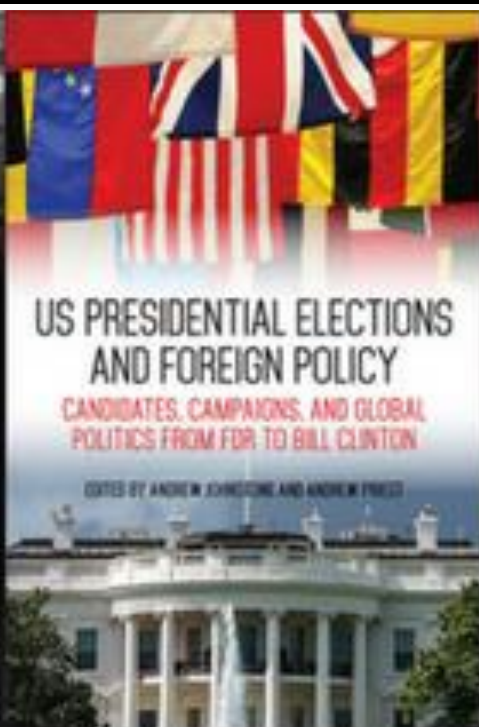


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44

20/11

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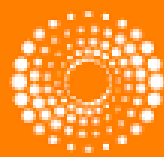


NEW RELEASES

for SHAFR

PEER REVIEW

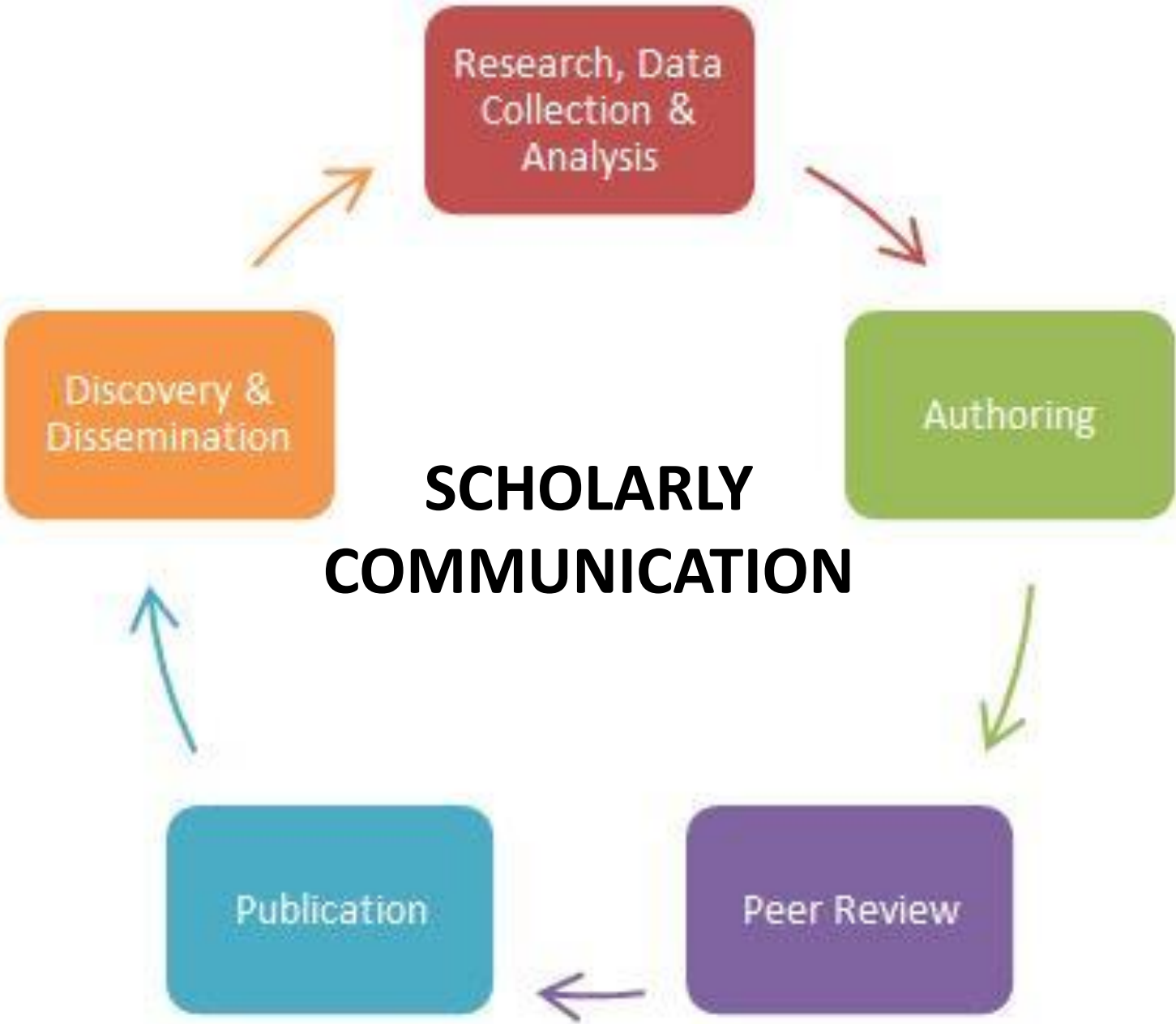
Science Citation Index Expanded



THOMSON REUTERS

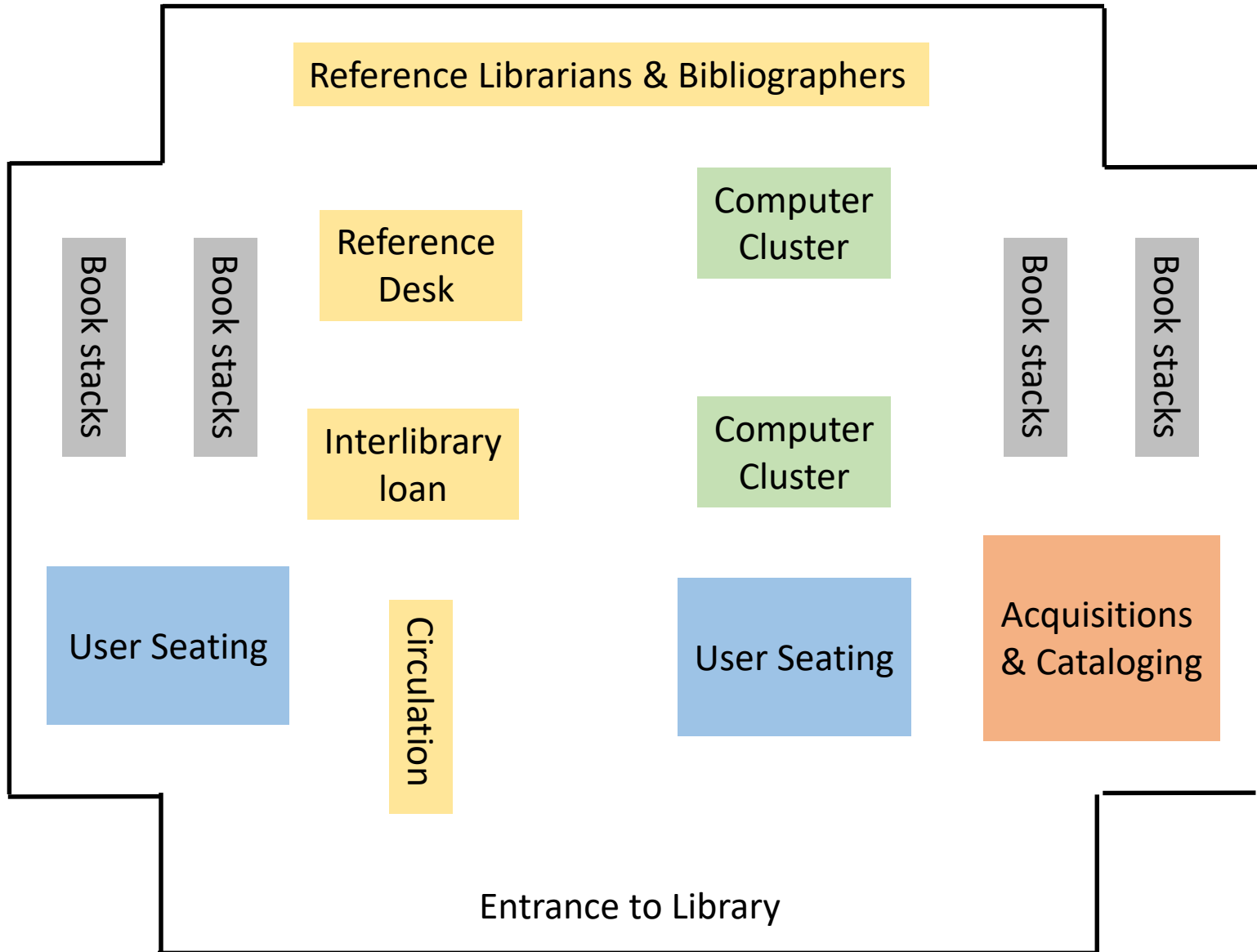


COLUMBIA
UNIVERSITY
PRESS



SCHOLARLY COMMUNICATION



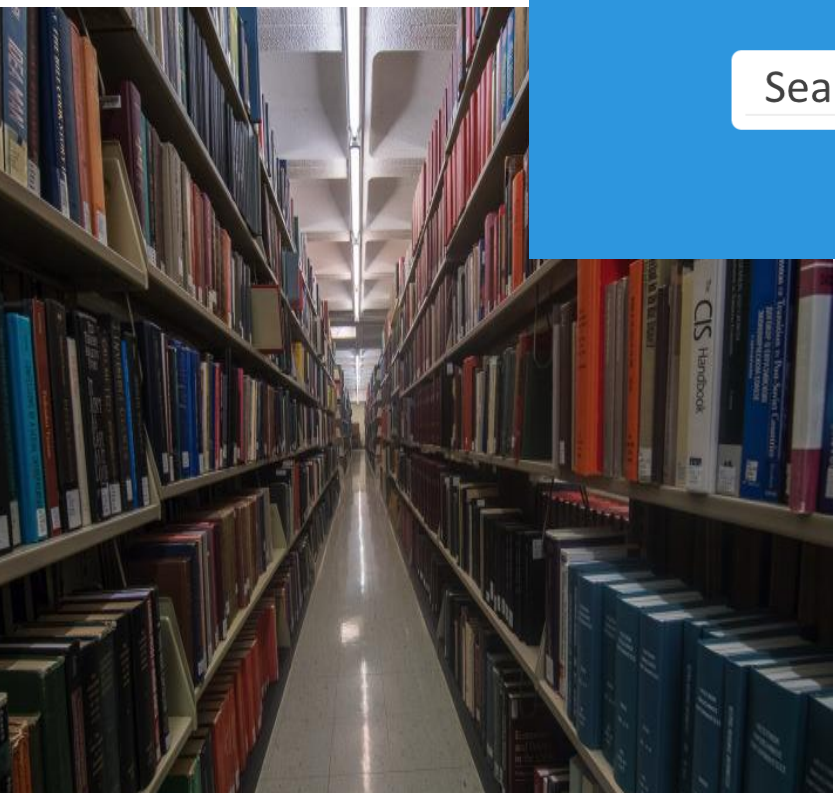
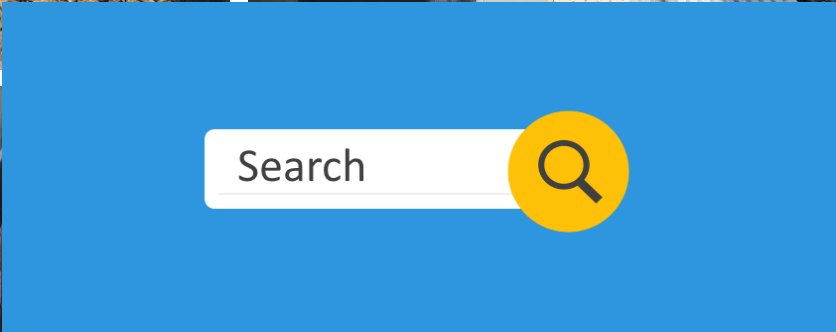
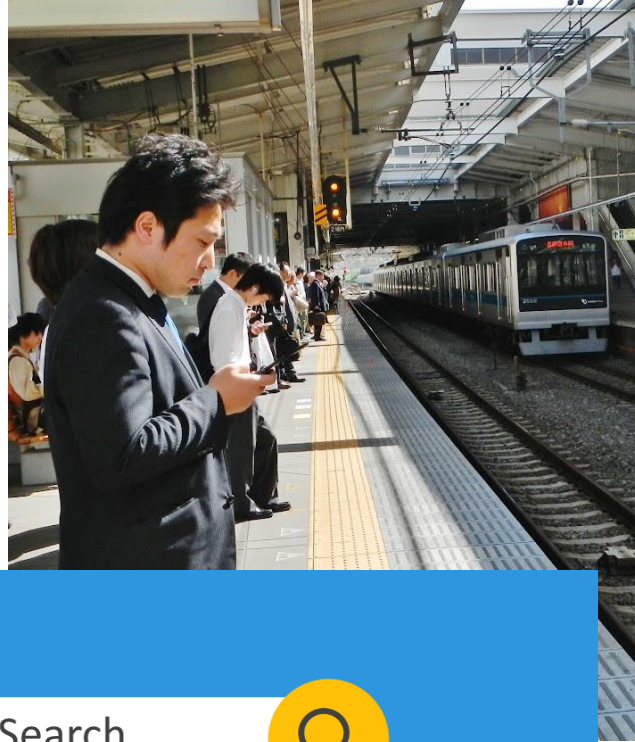




Scholars at All Levels Exploring New Ways of Conducting Research

I need a digital research tool to...

- Compare relationships between pieces of data
- Analyze texts
- Embed images, video in text
- Provide access to primary source materials
- Build and share collections
- Write collaboratively
- Model and visualize data
- Transcribe manuscripts, audio, video
- Translate text
- Incorporate geographic locators, timeline
- Show more of my evidence and analysis
- Allow readers to interact with results
- Enable other scholars to re-use my data



Log in via your institution

- > Shibboleth
- > OpenAthens

Log in Online


[Forgot password?](#)

Remember Me

Log in


Or purchase it *

Issue Purchase

 Add to cart

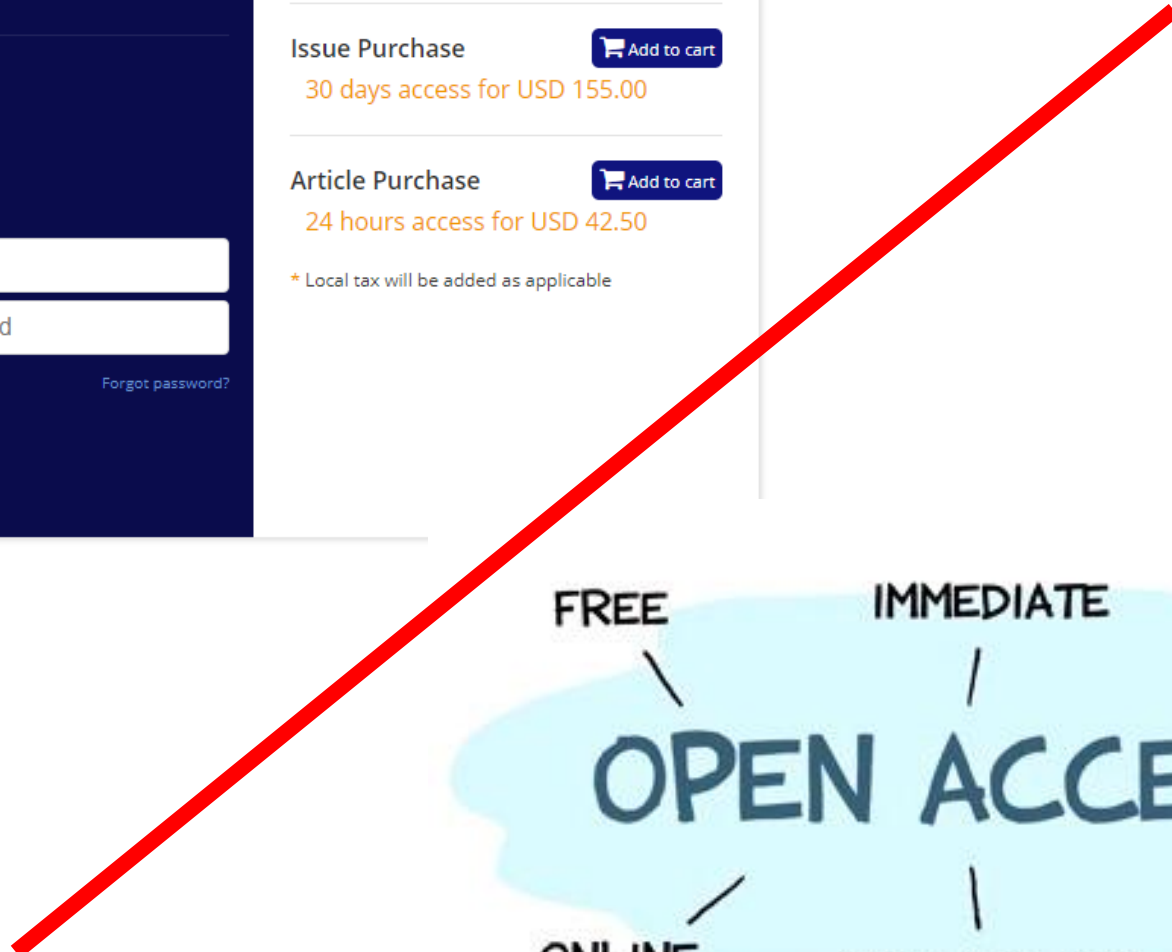
30 days access for USD 155.00

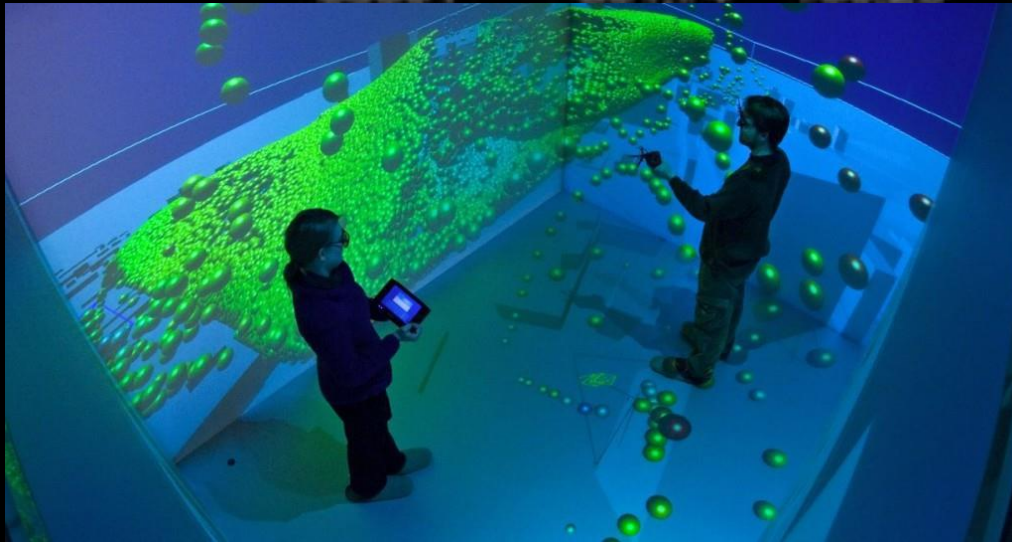
Article Purchase

 Add to cart

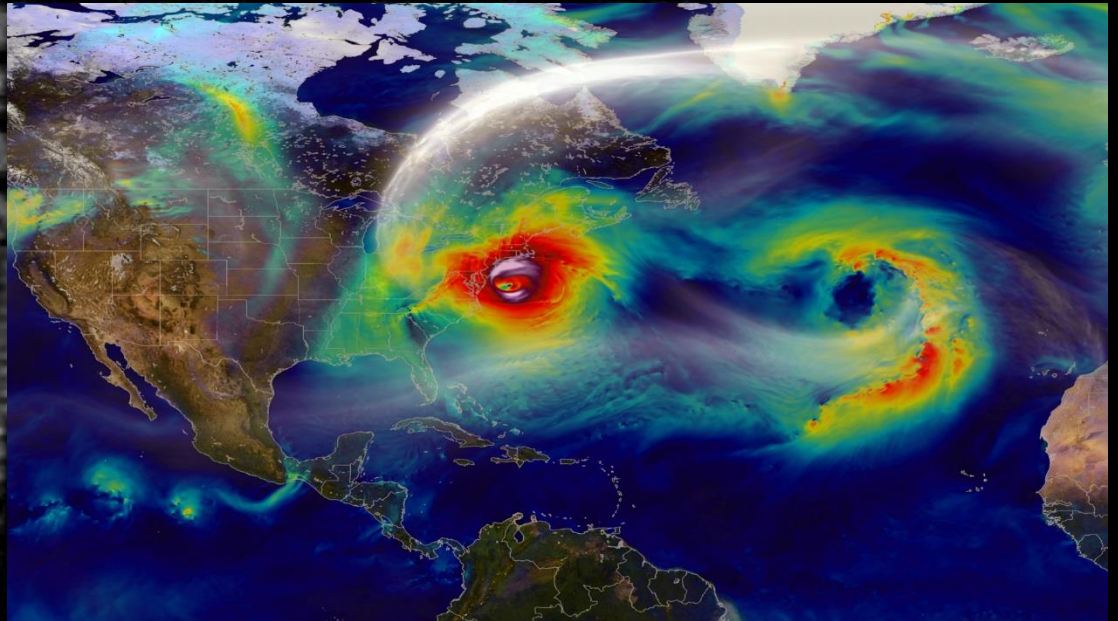
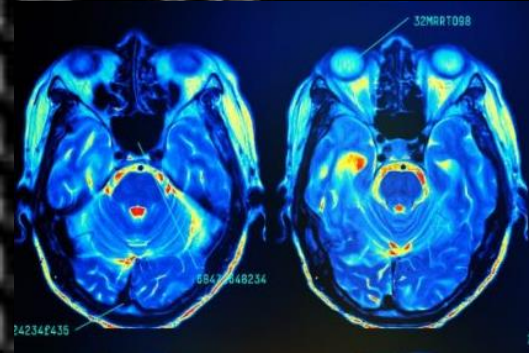
24 hours access for USD 42.50

* Local tax will be added as applicable





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80001 301.74 100.26 300.79 0.95
1.905,17 5.85
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5.280
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4.689,56 -0.44





Electronic
Student
Portfolio



Annotation:
Type: Motives
Creator: Student A
Notes: Descending pattern

Annotation:
Type: Illumination
Creator: Professor
Notes: Depiction of martyrdom.

Annotation:
Type: Motives
Creator: Student B
Notes: Pattern repeated from previous phrase









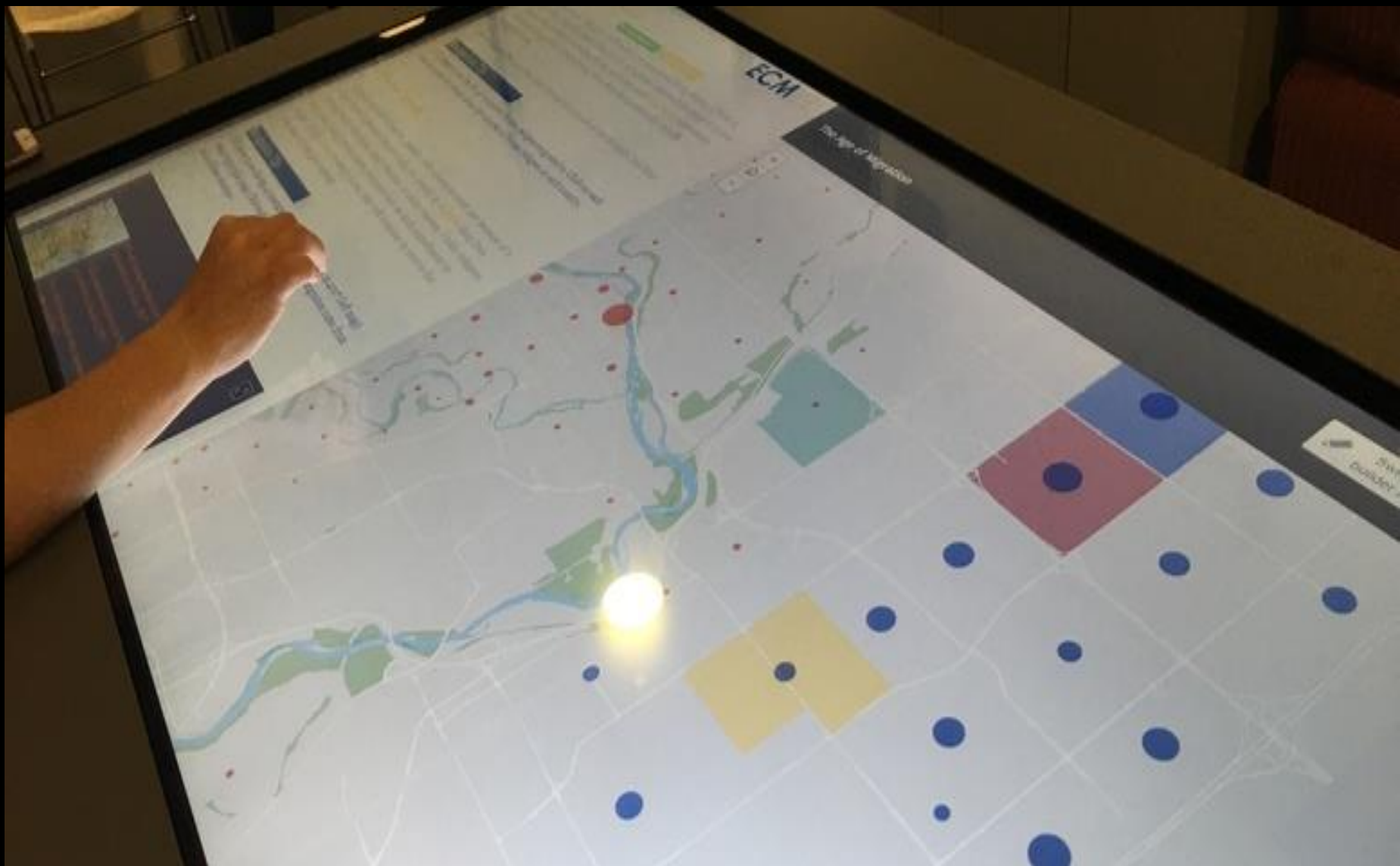
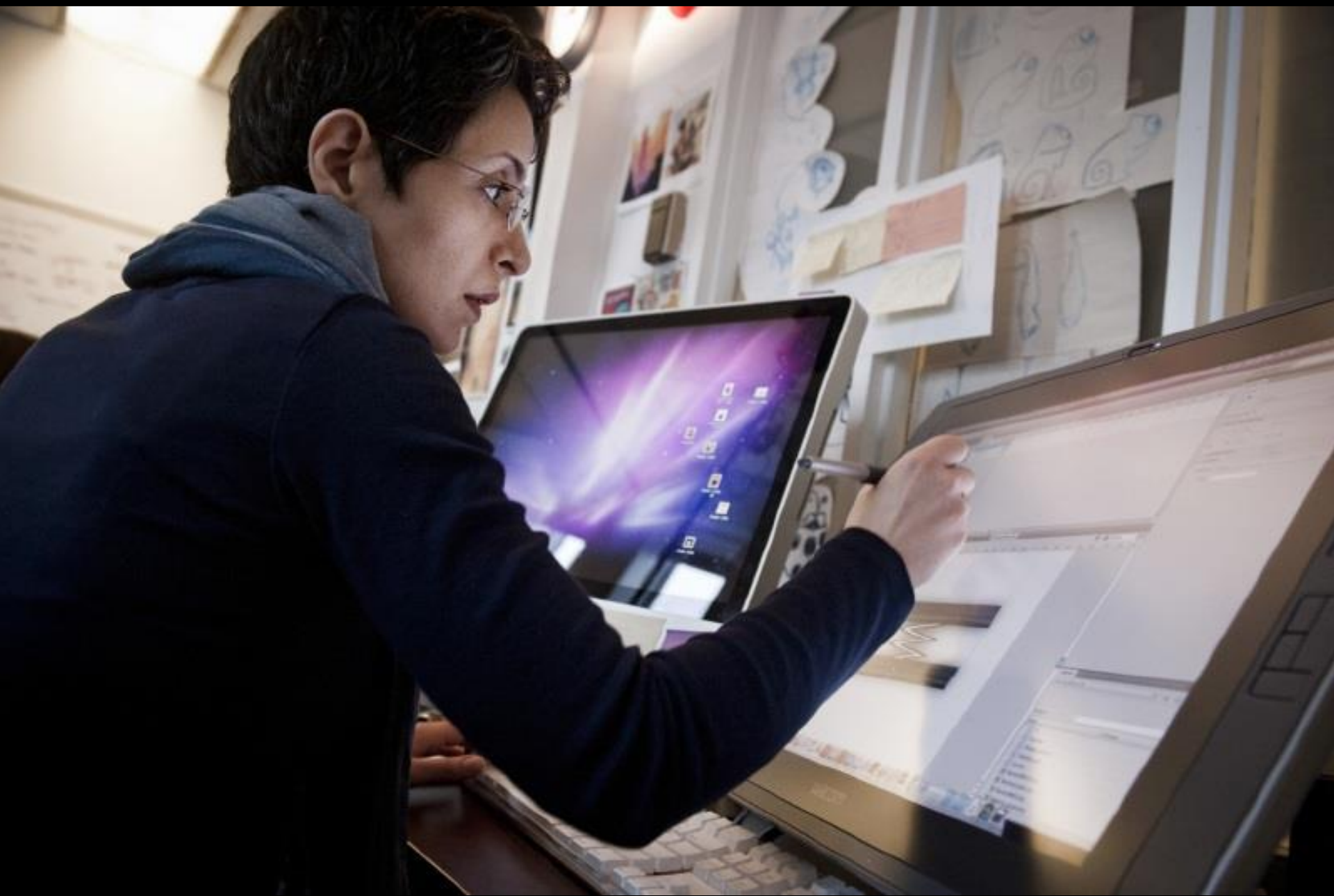


Photo by Lynda Sea, Faculty of Nursing (U Calgary)







- Where will these new scholarly products be built?
- What kind of space and technology is needed for this type of collaborative work?
- Who will demonstrate and teach us/others the necessary tools and methodologies?
- How will the value of this research and the effectiveness of its form and methods be evaluated?

- Who will publish this work, write peer reviews about it, promote its availability, and ensure that it becomes part of today's and tomorrow's scholarly record?
- Who will maintain its functionality, enable additions or changes to its content, and preserve the work over time?
- Who will prepare the next generation of students and scholars to read, write, and think in this digital age?

Digital Scholarship Is...

the use of digital evidence,

digital methods of inquiry and research,

***and digital forms of publication and
preservation***

to achieve and disseminate

scholarly research (teaching & learning)

Today's Library Is

Supporting the changing patterns
of teaching, learning &
research by combining

*traditional & new
knowledge resources & services*

with

*emerging technologies in
innovative physical & online spaces*



National

Computation,
Storage, Networking,
Tools, Services,
People

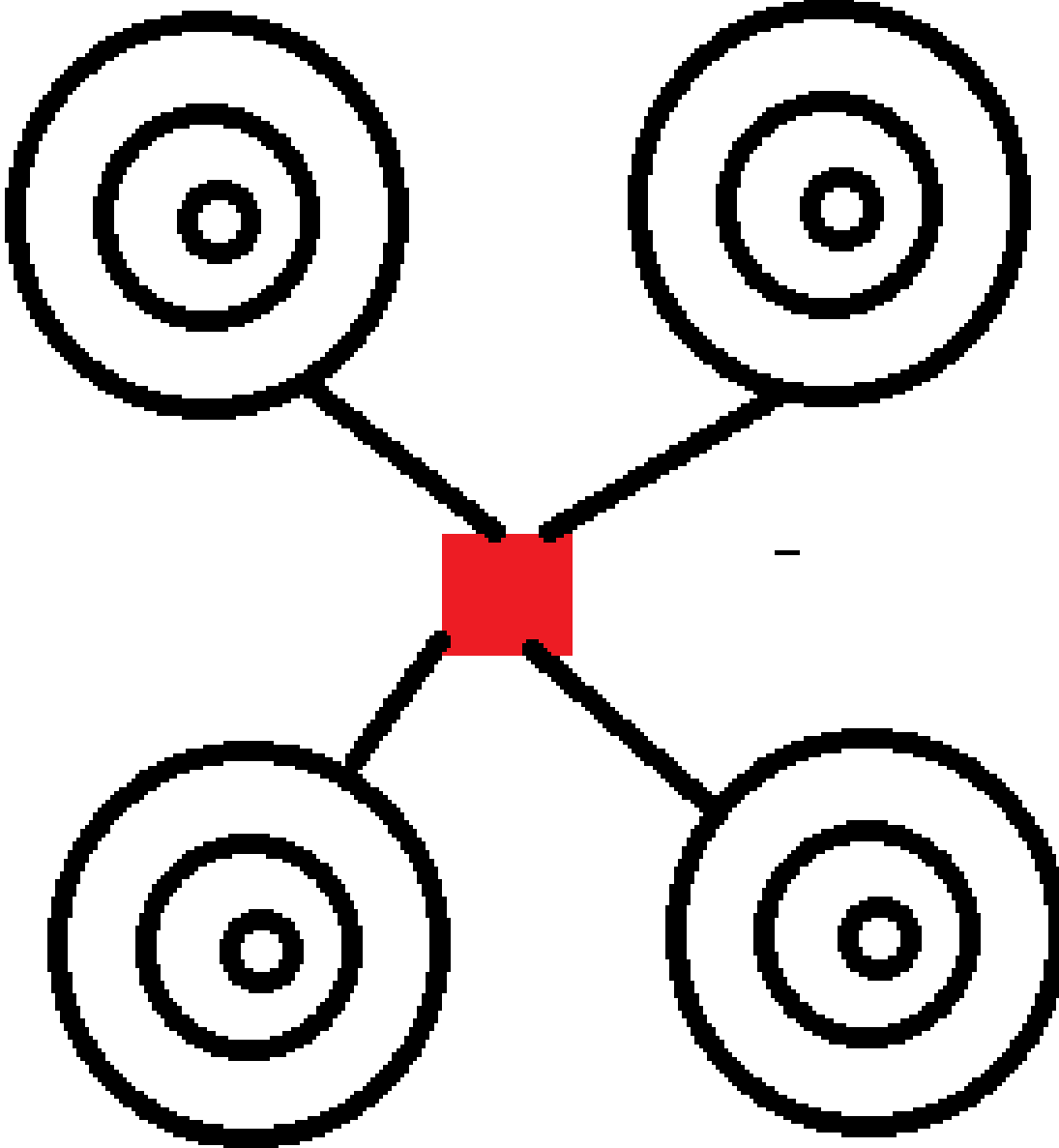
Regional

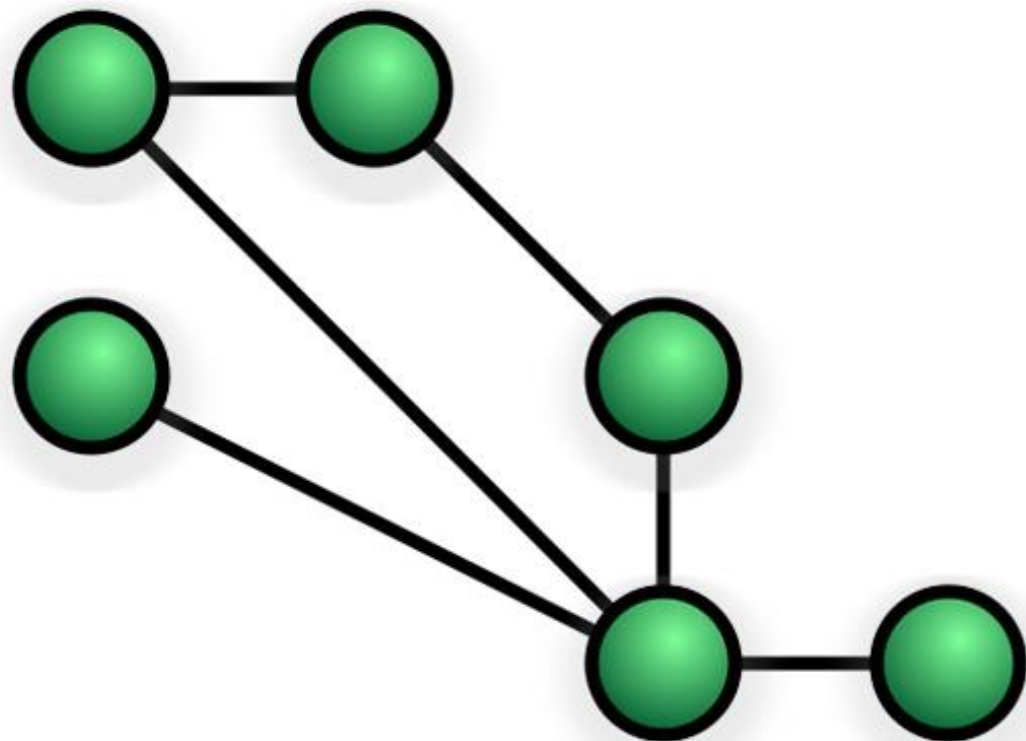
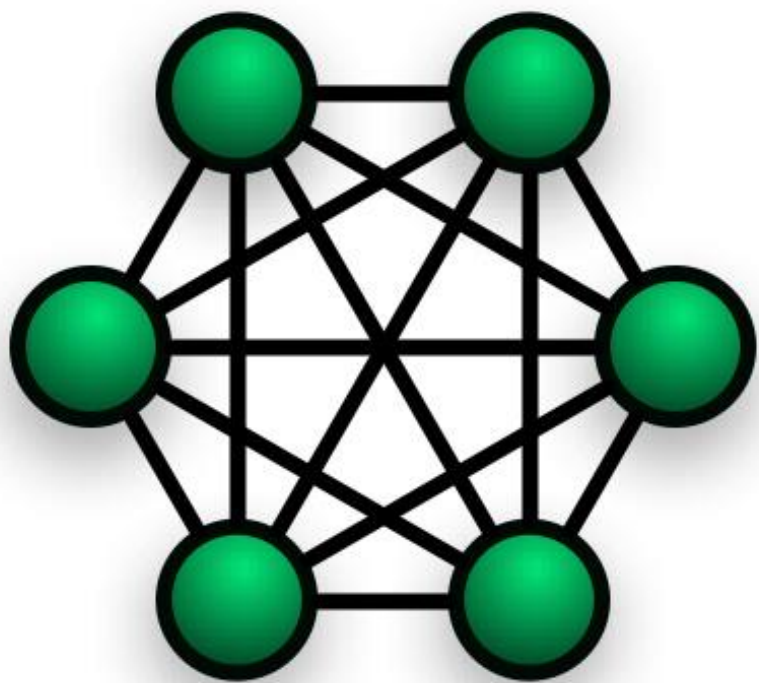
Network Organizations, Statewide Collaborations,
Library Associations, Research Projects, Tools,
Services, People

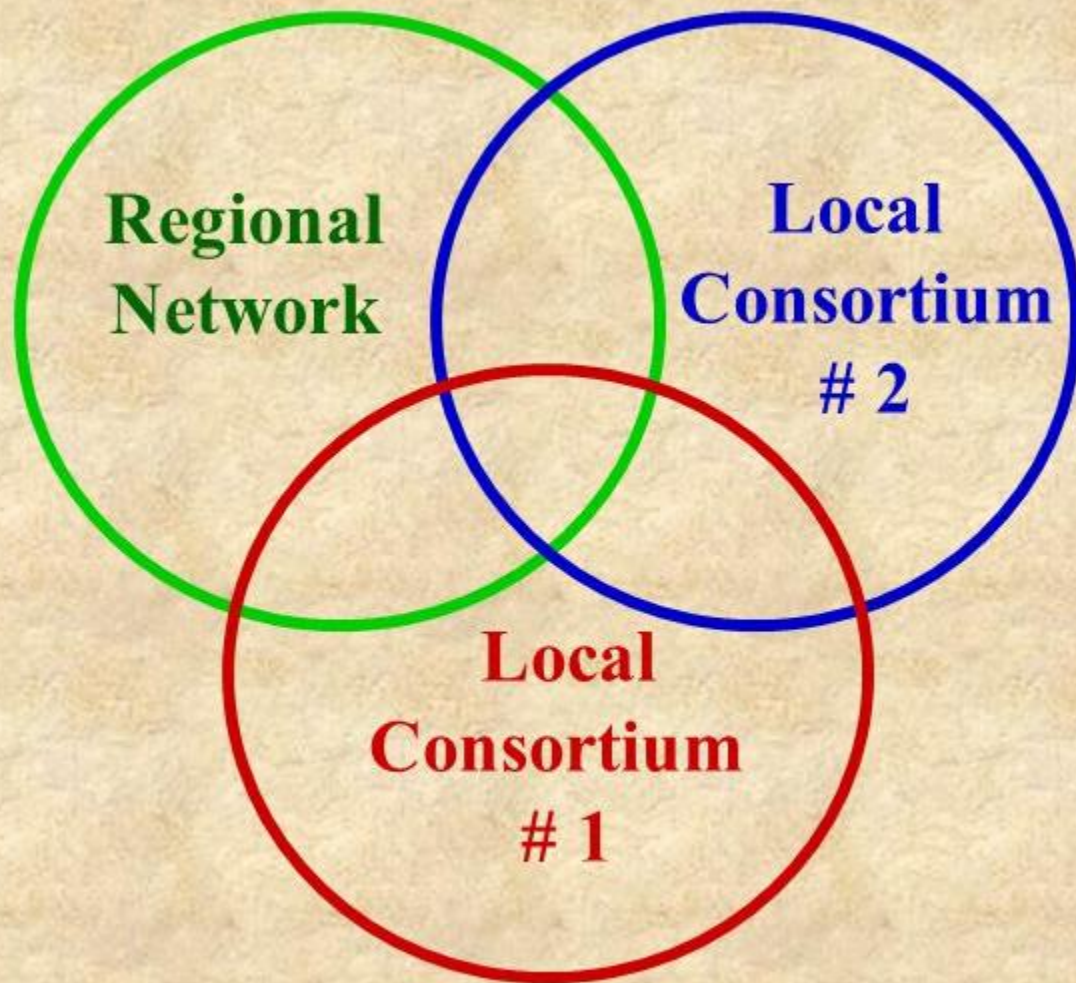
Campus

Universities, High Performance Computing Centers, Data Centers,
Libraries, Tools, Services, People









Digital Media Commons

Will Wang, Jane Zhao



Our Mission

The DMC supports the creation and use of multimedia in education, scholarship, and creative expression. Working toward this end, we provide services that include hands-on training, assistance with digital projects, and access to the essential tools for creating digital resources such as digital video and audio, images and animations, infographics, PowerPoint presentations, web pages, and more.

DMC Offers Hands-on Training on Media Editing and Assistance with Various Digital Projects

1. Help with using DMC equipment
2. Demonstration of DMC equipment
3. Assistance on video/audio editing, and graphics creation
4. Consultation on patron's project
5. Short courses for using digital tools



DMC Provides Access to the Essential Tools and Facilities for Creating Digital Media

1. Poster printing
2. Skyping/Podcasting
3. Equipment available for checking out
4. Lecture/interview recording
5. Photo taking
6. iMovie, Final Cut Pro, Photoshop, Illustrator, InDesign, and more



Your Projects,
Our Passion!

dmc.rice.edu | dmc-info@rice.edu | 713-348-3635

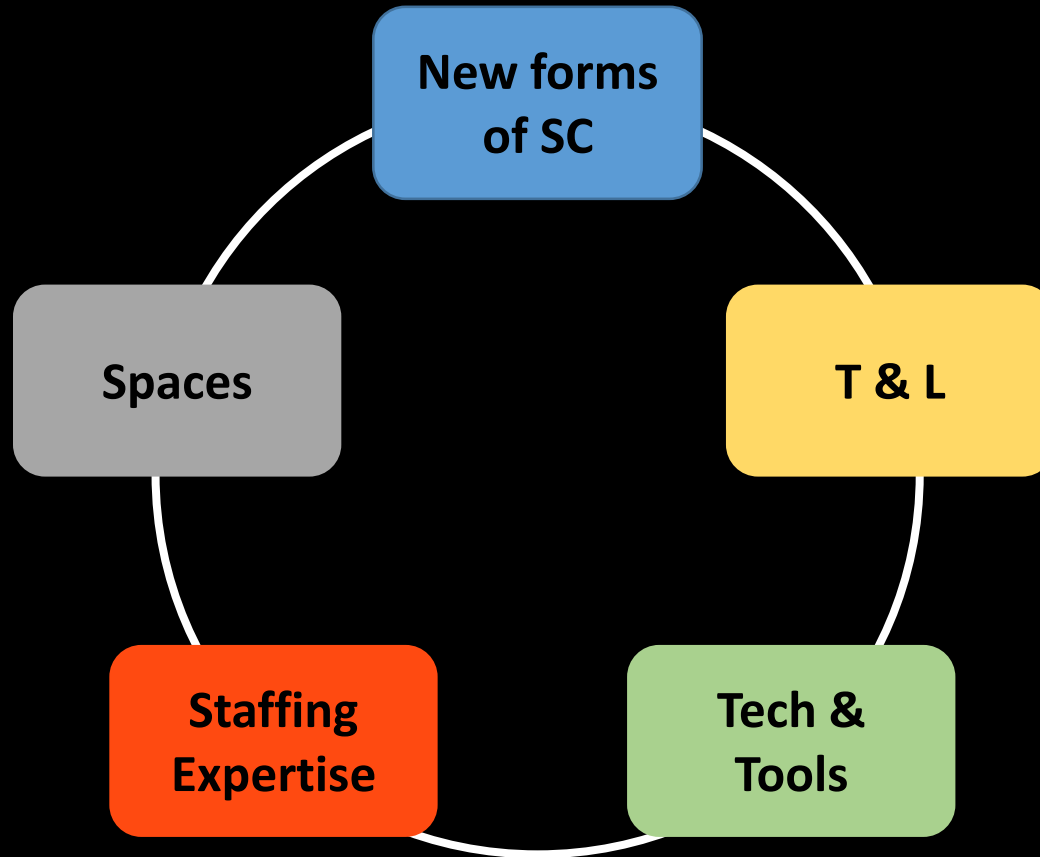


building bridges

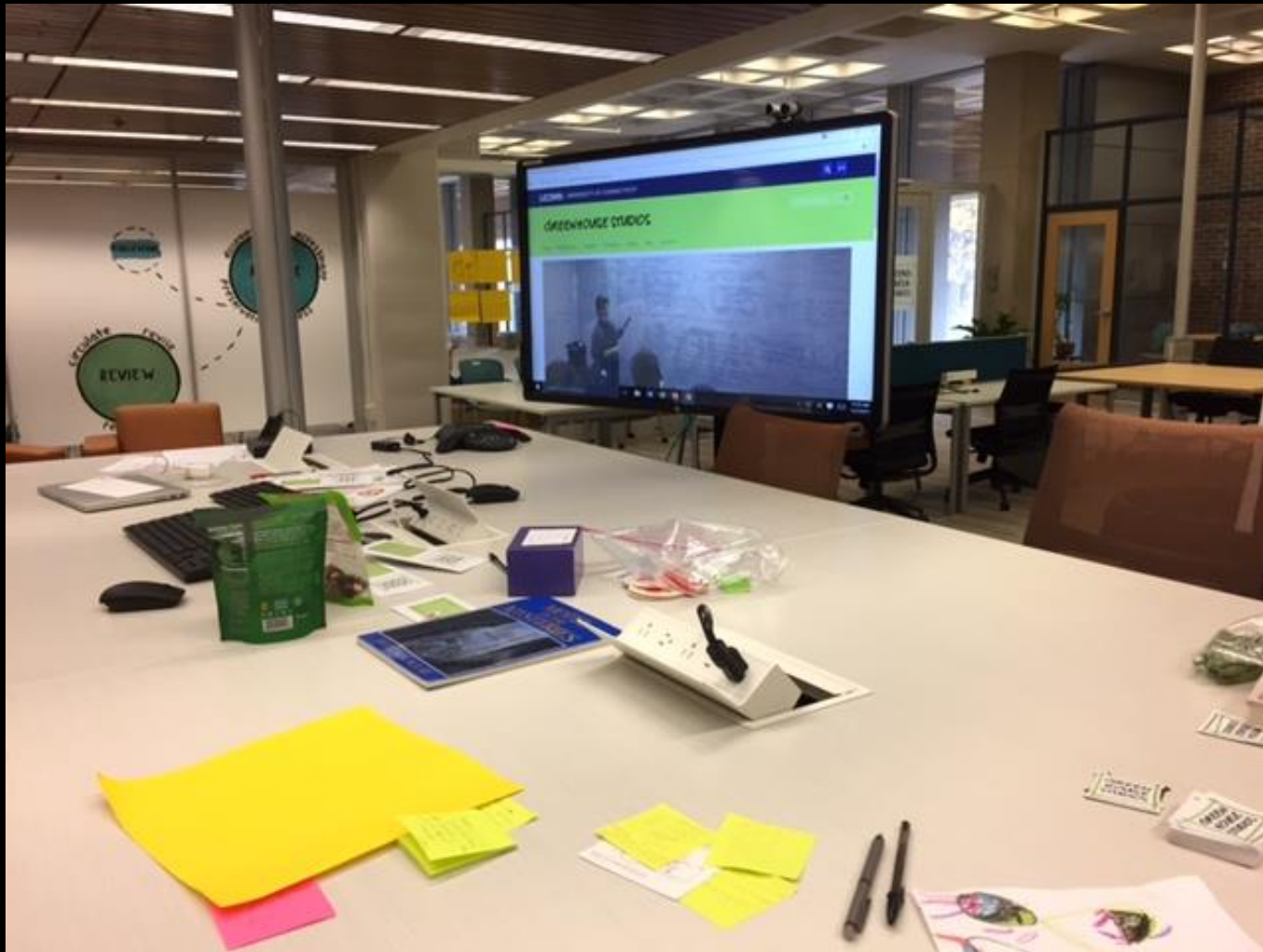


BRINGING LIBRARY STAFF TOGETHER

Space is One Aspect of Digital Scholarship Programs



Spaces/Places Help Create a Sense of Community



The Kitchen Table – Greenhouse Studio – U. Connecticut

Places Provide Venues for Programs & Activities: Project Space



The CURVE Georgia State U.

Places Provide Access to Specialized Tools



Duke University – The Edge

Places for Consultation



Emory Center for Digital Scholarship

Places for Workshops



Claremont Colleges Libraries

Places for Conferences and Seminars



Emory U. Center for Digital Scholarship

Places for Classes



Florida Institute of Technology – Digital Scholarship Laboratory

Places for Collaborative Work



Places for Visualization



NCSU Hunt Library Visualization Lab

Places for Virtual Reality



NCSU Hill Library – Virtual Reality Station

Places for a Service Desk



Georgia State The CURVE

Places for Fellows & Student Workers

SCHOLARS' LAB

[about](#) [research](#) [fellowships](#) [makerspace](#) [events](#) [blog](#) [people](#)



University of Virginia Scholars' Lab



Places for Student Assistants



Places for Staff Work Areas



Emory U. Center for Digital Scholarship

Places for Taking Breaks



McMaster U. Centre for Digital Scholarship

Places for Displaying DS Products



UCLA Young Research Library

Places for the Public to Test Technology



Places for Hosting Events



Emory U. Center for Digital Scholarship

Virtual Places

DigiLab

The Willson Center Digital Humanities Lab, known informally as the DigiLab, is a state-of-the-art instruction space as well as an incubator and publicity hub for nationally recognized digital humanities projects. Opened in 2015, it is outfitted with flexible workspaces for individual or collaborative projects and with advanced technological resources. The DigiLab is located on the third floor of the Main Library, across from the newly renovated Reading Room and adjacent to the University of Georgia Press.



<https://digi.uga.edu/digilab/>

Software

The following programs are installed on all lab computers and laptops

Graphic Design

Adobe Creative Suite
(Photoshop, Acrobat, etc.)
SketchUp Pro

Text Mining

Ant series (AntConc, VariAnt
etc.)
Mallet

Mapping

ArcGIS
QGIS
Social Explorer

Text Editing

jEdit
Komodo Edit

Making Places & Programs Visible Online



University of Pittsburgh



University Library System

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Help & Guides ▾

About Us ▾

Ask Us

Digital Scholarship Commons

A New Space to Support Digital Scholarship

The Digital Scholarship Commons is a newly-renovated space on the ground floor of Hillman Library designed to support members of the Pitt community who are learning and experimenting with digital and data-intensive research and teaching.



In the Digital Scholarship Commons, you might participate in a workshop, meet with a colleague to discuss a project, digitize a resource for your research, consult with ULS staff about using a digital or data-intensive tool, or view digital scholarly creations of Pitt faculty and students.

Equipment

The Digital Scholarship Commons has a computing area with 12 PC workstations, each with an ultrawide monitor. Use your Pitt computing account to log on. The following software is available on each of these machines:

- **ARCGIS 10.4** (commercial desktop GIS)
- **Qgis 2.16.2** (open source desktop GIS)
- **Google Earth 7.1.5.1557** (global digital map)
- **Fiji** (scientific image analysis)
- **Nvivo 11** (transcription and qualitative analysis)
- **Gephi 0.9.1** (network analysis and visualization)
- **Docker with Hyper-V** (software containers)
- **Protege** (ontology creation and editing)
- **Processing** (computational visual design)
- **MALLET** (text analysis / topic modelling)
- **Adobe Creative Suite/Cloud 2015** (media creation and editing)

<http://www.library.pitt.edu/digital-scholarship-commons>

Places for a Makerspace



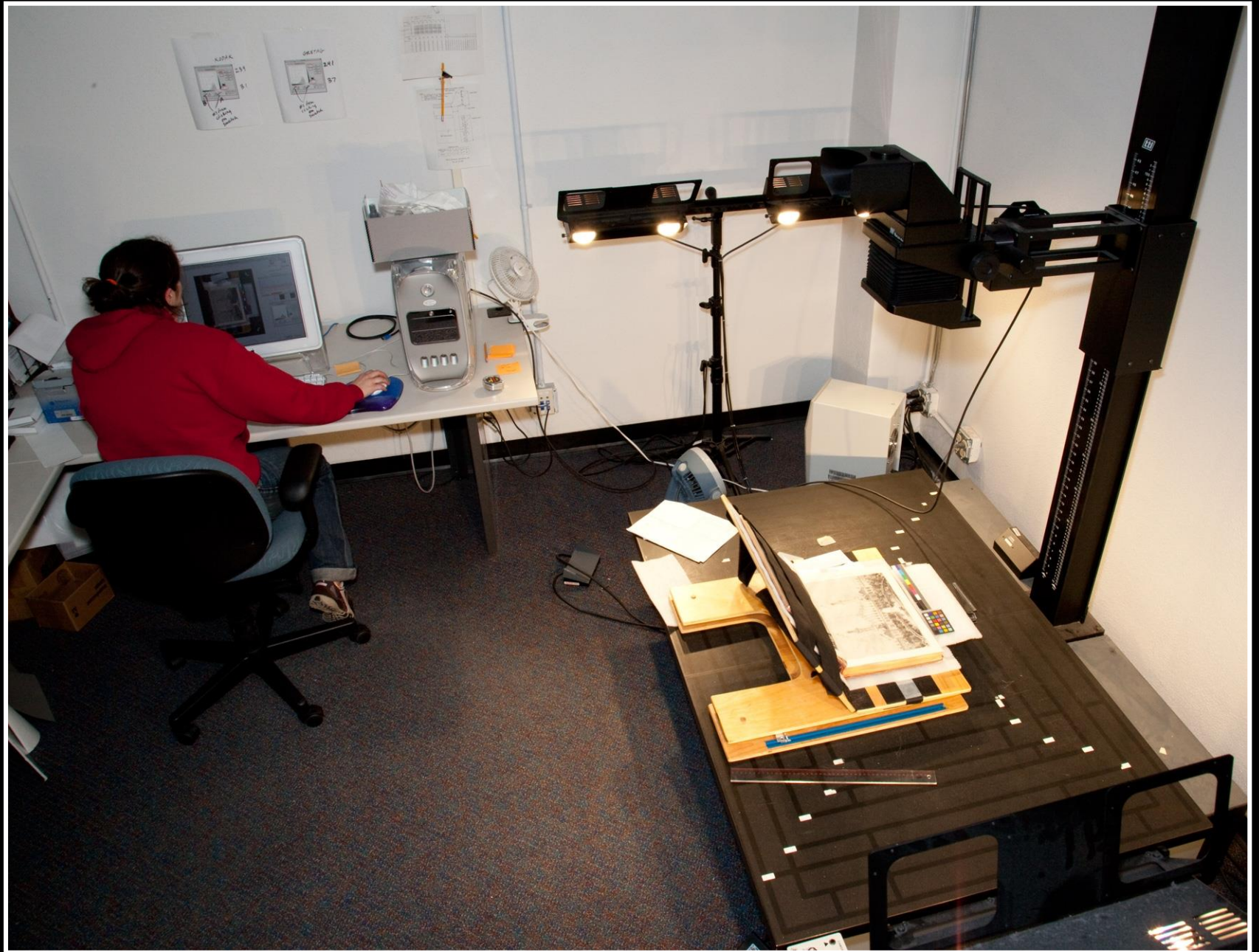
U. Maryland, Makerspace

More About Maker Spaces

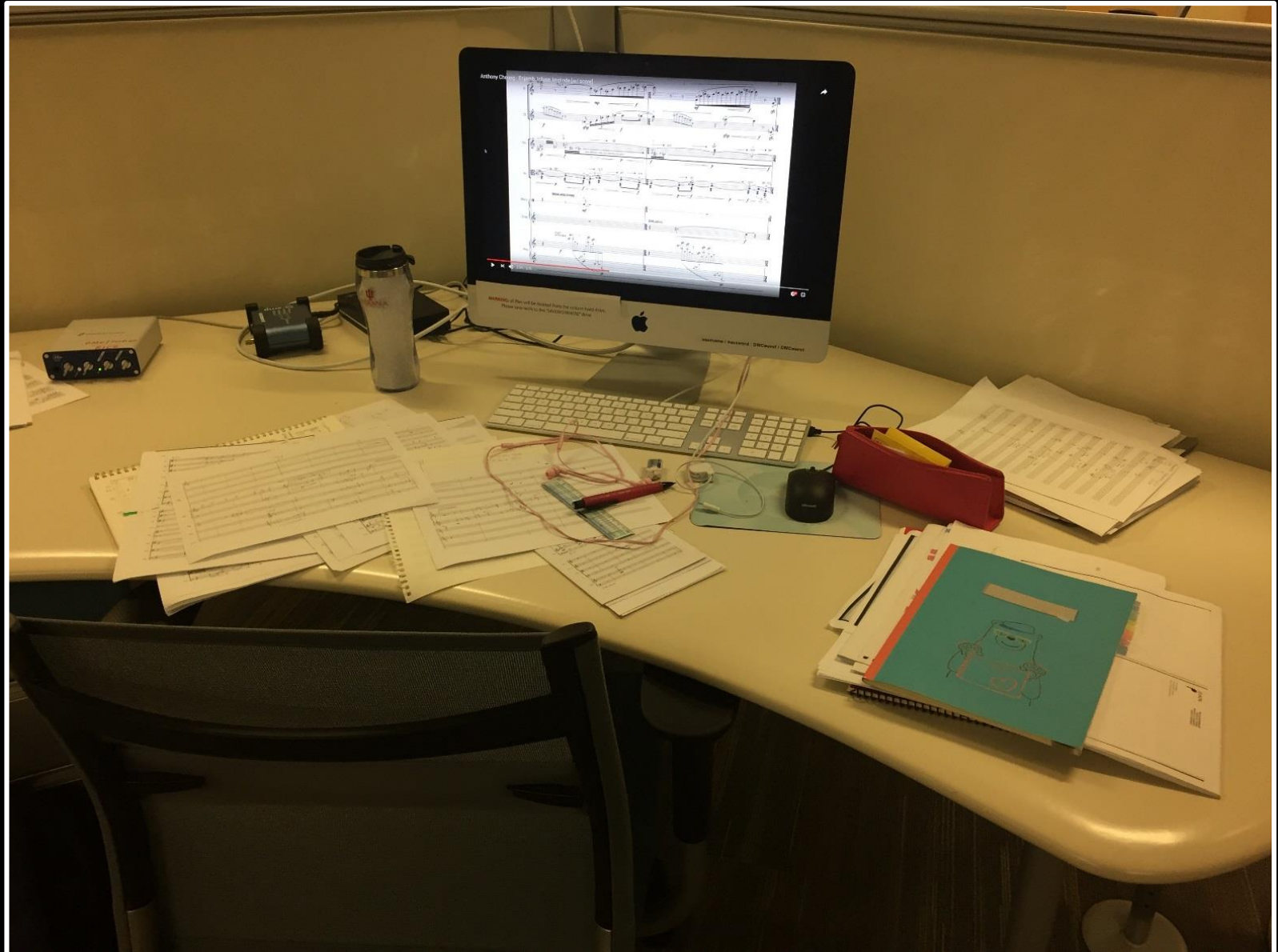


Makerspace at Hill Library, NCSU

Digitization in Makerspaces



Media Workstations in Makerspaces



Media Workstations for Design



Sidney E. Frank **DIGITAL STUDIO**

Digital Studio Audio / Video Recording & Editing Suite

Available for drop-in
during open hours:

M - F 1:00 - 11:00 pm

Sat 1:00 - 4:00 pm

Sun 11:00 am - 11:00 pm

For more information, email digital_studio@brown.edu



Video Recording Studios



University of Maryland

Arduino Workshop



A photograph of a 3D design studio. Two men are working in a large, open-plan space. One man in a red shirt is standing near a large, white, modular structure that appears to be a 3D printer or a large-scale fabrication machine. The other man in a grey jacket is standing nearby, looking at the equipment. The room has a light blue wall and a grey carpet. In the foreground, there is a bright orange chair. The text "3D DESIGN STUDIO" is overlaid in large, blue, 3D-style letters across the center of the image.

3D DESIGN STUDIO

Virginia Tech University



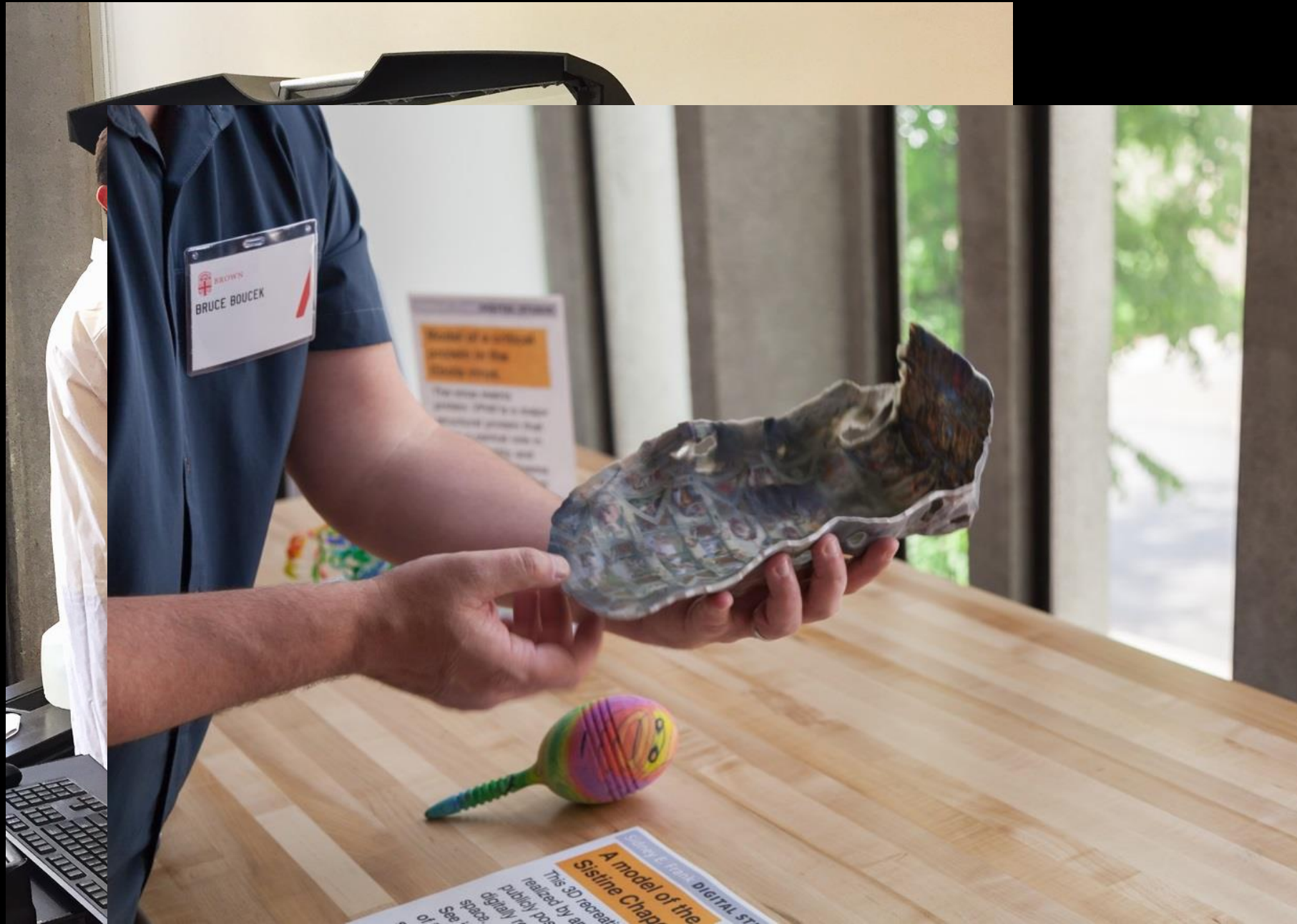
Duke University, 3D Equipment



University of Virginia



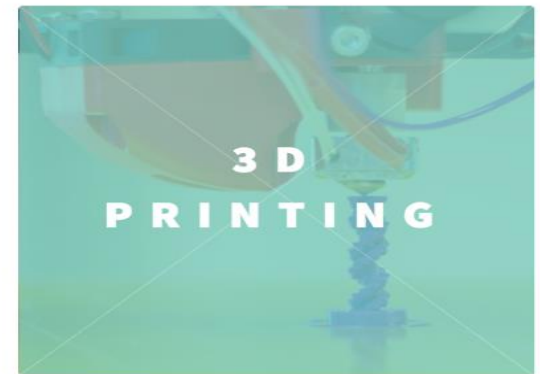
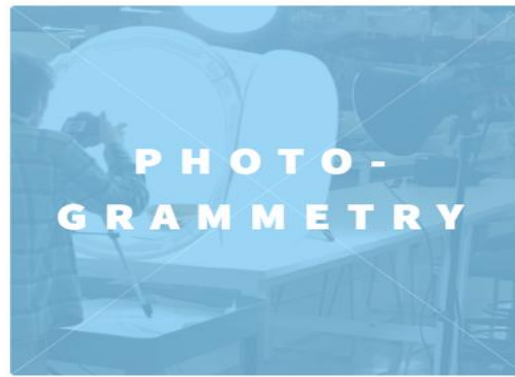
Duke prints for a fee / Says: leave 3D printing to the experts



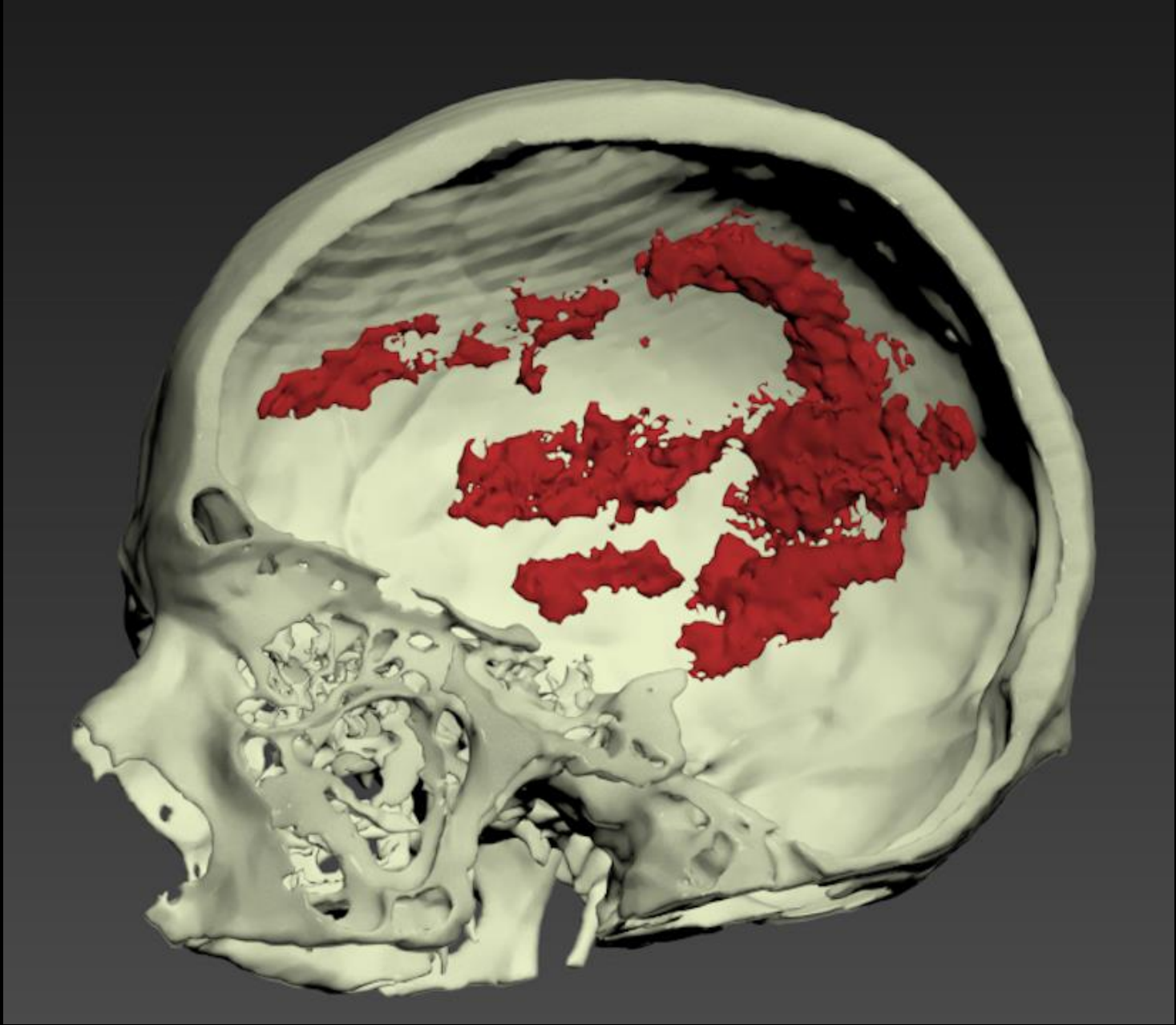
BROWN
BRUCE BOUCEK

Model of a virtual
prototype in the
digital space.

Concept from digital space
A model of the
Sistine Chapel
This 3D recreation
realized by a
publicly pro
digitally pro
space
See



Brown University – developed set of co-taught workshops



Products of 3D Printing: anatomical imaging



Duke University graduate student,
Sculptures modeled and printed in 3D plastic



3D Printing of Topographic Map



Brown University – 3D Model of Historic Fish



ISIS-Destroyed Museum in Iraq Revived by Crowdsourcing and 3D Printing Technology



Vanderbilt University – 3D Digital Preservation of Text



Virginia Commonwealth University, Virtual Curation Laboratory
3D versioning and printing of archaeological artifact



Virginia Commonwealth U student cleans up 3D printed replica



Photo credit: Dora Mugerwa

Photo-scanning

360° Video
Adam Hersko-Ronatas





UVA student creating 3D model of Ancient Greek vase

DePaul Univ
Library

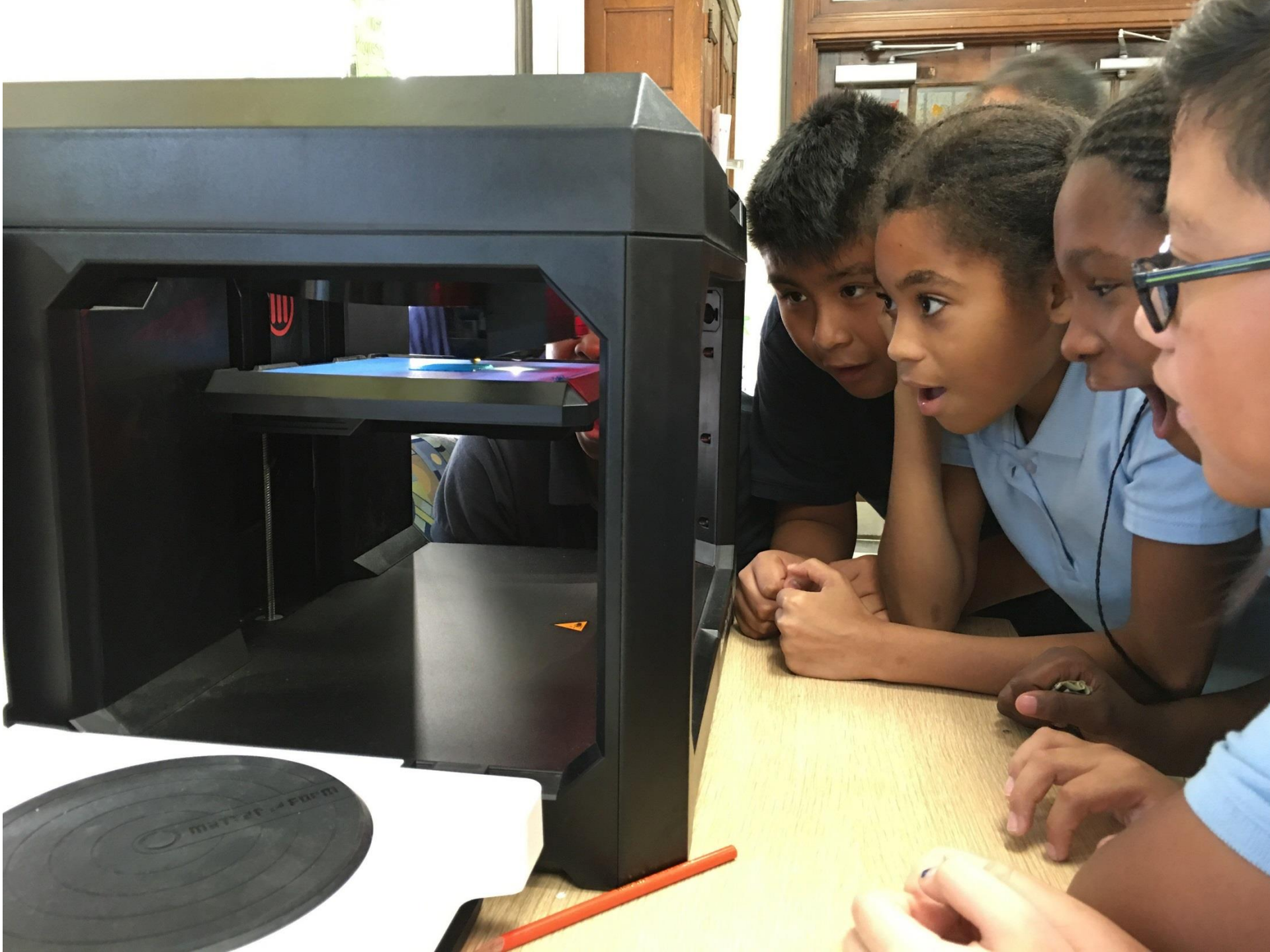




Use of 3D printing in primary school education



Children building 3D designs





[Weistek's MiniToy 3D Printer](#)



**Our children will learn less,
but achieve more**

-Marcel Bullinga

Thank you!

Harriette_Hemmasi@brown.edu

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