



Planning Library Spaces that Enhance Research, Teaching & Learning, and Community

Joan K. Lippincott
Library Futures Speakers Series
University of Chicago (online)
October 3, 2024



Directions in library physical space

- While there are trends in spaces in academic libraries, there is no “one size fits all” – know your own community
- My perspective on library physical space incorporates programs, expertise, content, and technologies, all working together
- User and institutional needs will change and flexibility in space design is important



Redefining the library experience

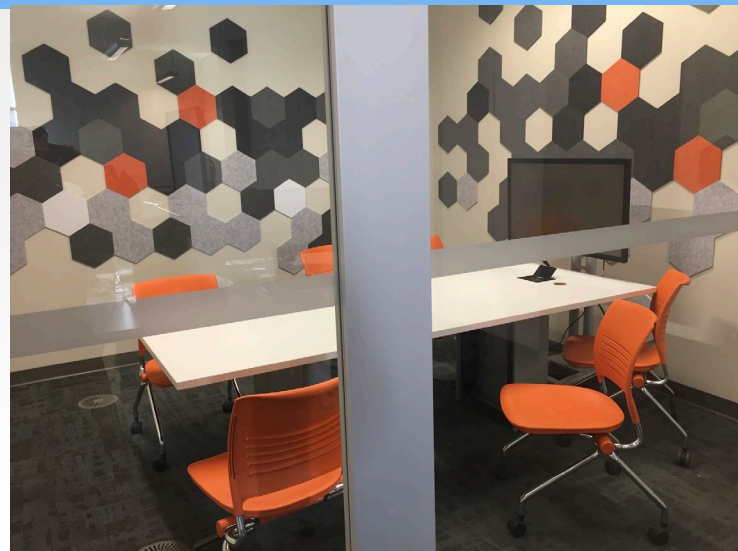
OCLC Global Survey 2023

- Increased role of “space provider”
- More demand for in-person services and staff tech expertise in relation to Open Science
- Increase in use of data management, curation, analysis, visualization services
- Libraries as a trusted source of information and a flexible space



Assessing user needs

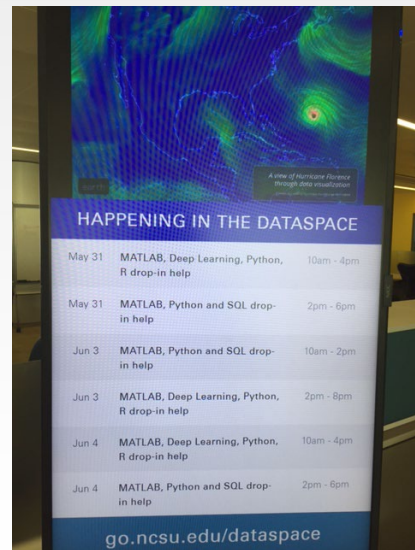
- Focus on research trends and their implications for spaces and services
- Focus on curricular trends and their implications for spaces and services
- What are gaps in availability of spaces and services on campus that might be useful across disciplines
- How to identify “lead users” and others that help identify trends



Lab NEXT University of Calgary Taylor Family Digital Library



Changing needs leads to new programs/spaces



Hunt Library – North Carolina State University



Research-oriented activities

- “I often tell people working in eScience that they aren’t in this field because they are visionaries or super-intelligent—it’s because they care about science and they are alive now. It is about technology changing the world, and science taking advantage of it, to do more and do better.”
— Rhys Francis, Australian eResearch Infrastructure Council



<https://web.uri.edu/ai/contact/>



Libraries serve all disciplines

- New research opportunities in every field
- Bringing together teams with researchers with different types of expertise – archaeology, religion, seismic studies

S20 EP5: THE SUNKEN BASILICA | CLIP

3D Modeling Brings a 4th-Century Basilica Back to Life



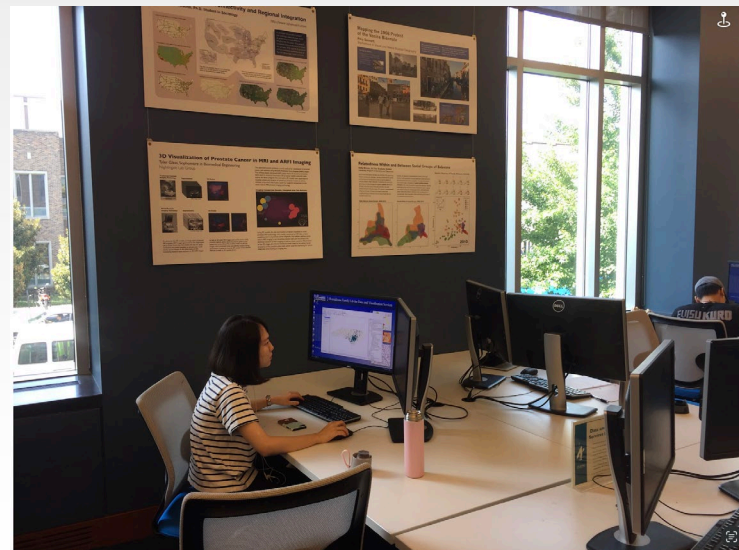
<https://www.pbs.org/wnet/secrets/3d-modeling-brings-a-4th-century-basilica-back-to-life-zevzq/7855/>



Promoting available technologies & expertise



NC State Hunt Library



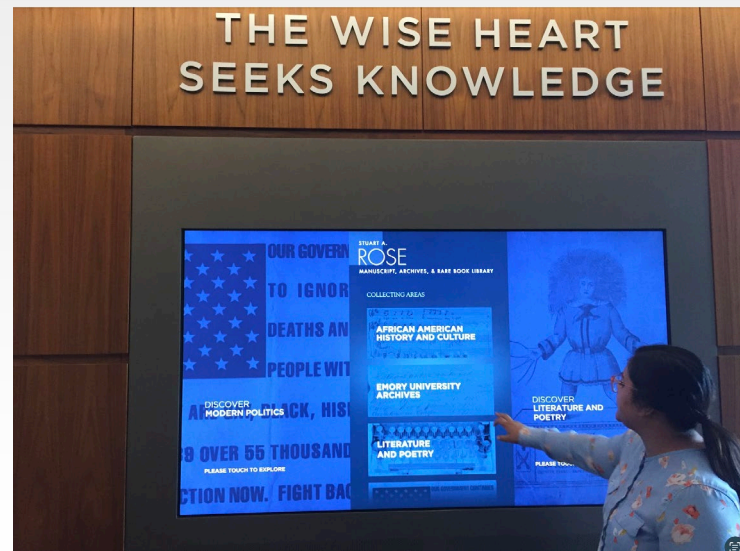
Duke University Library – The Edge



Special collections: showcasing analog + digital content



University of Miami Library



Emory University Library Special Collections



CNI Program Digital, Data-intensive & Computational Research

- Interviews
- Institutional Profiles
- Invitational forums
- Report
- Session at CNI Spring 2023 Meeting
- Webinars

<https://www.cni.org/events/cni-workshops/directions-in-digital-scholarship-support-for-digital-data-intensive-and-computational-research-in-academic-libraries>

The screenshot shows the CNI website header with the logo and navigation menu. The main content area features a sidebar with a list of events and a main article titled "Directions in Digital Scholarship: Support for Digital, Data-Intensive, and Computational Research in Academic Libraries". The article text discusses the evolution of digital scholarship (DS) programs and the current initiative's focus on examining their state and future.

cni
Coalition for Networked Information

ABOUT CNI PROGRAM PLAN TOPICS EVENTS & PROJECTS RESOURCES CONTACT US

Events

- Membership Meetings
- Workshops & Projects
- Directions in Digital Scholarship: Support for Digital, Data-Intensive, and Computational Research in Academic Libraries**
- Digital Scholarship Planning 2020 Webinar Series
- Planning a Digital Scholarship Center 2016
- Security and Privacy
- Digital Scholarship Centers 2014
- Management of Scholarly Identity

Directions in Digital Scholarship: Support for Digital, Data-Intensive, and Computational Research in Academic Libraries

Home / Events / Workshops & Projects / Directions in Digital Scholarship: Support for Digital, Data-Intensive, and Computational Research in Academic Libraries

CNI will host an initiative in 2023 that examines the evolution, current state, and future of digital scholarship (DS) programs in libraries of CNI member institutions. DS programs encompass a broad range of initiatives, including support for research services that are data-intensive and computational in methodology. While some programs may focus on digital humanities (DH), others may work with data-driven social sciences and sciences and with professional fields such as health sciences and business. Some programs may emphasize activities geared towards educating and consulting with graduate students and undergraduates, including partnering with faculty to develop new types of assignments where students create digital projects. They may also offer workshops and certificate programs and consult with students working on theses, dissertations, and masters or undergraduate research projects that employ digital tools and create various forms of digital content.

The current initiative proposes to look at the evolution of DS programs and provide a snapshot of the current state of play



Physical facilities (CNI collected 24 profiles)

Most frequent

- Training/classroom spaces
- Consultation spaces
- Spaces for collaborative projects
- Computer/data labs

Least frequent

- AI lab
- Data science lab
- Visualization space



What's next for programs (from profiles)

- Create AR/VR spaces & services
- Establish data visualization facilities
- More computational & data services
- Expand digital publishing
- More intensive instructional programs
- Provide a more unified, holistic approach
- Strengthen campus partnerships



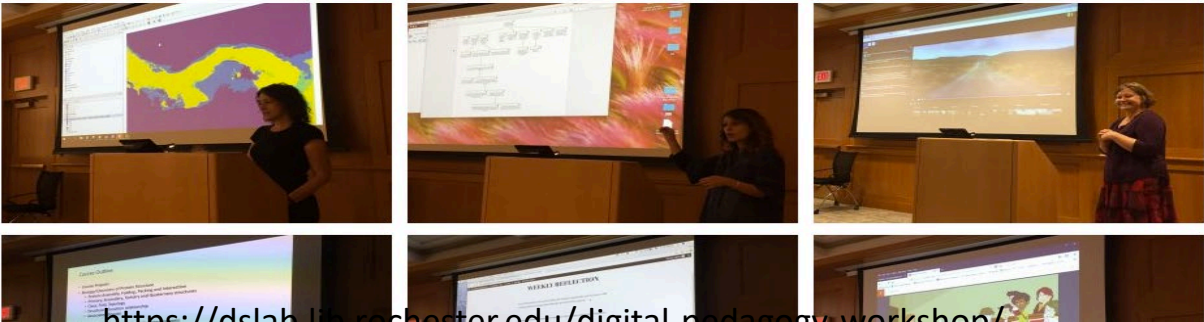
Working with faculty on assignments

Digital Scholarship Lab during these projects and allowing students the opportunity for

Projects People Lab Notes News & Events

The workshop concluded with a showcase where faculty shared their assignment, discussed challenges they encountered, and identified their next steps in preparing the assignment for implementation. Project examples included: GIS for sedimentary basin analysis; mind mapping to determine the validity of arguments; animations to show faculty with Japanese language and culture; and **Mediate** (a time-based media annotation tool) to help students analyze language, visuals, and emotional content within advertisements. It was exciting to see the range of projects and ideas generated in a short amount of time.

Eileen Daly-Boas (Outreach) and Zeynep Soysal (Philosophy)



<https://dslab.lib.rochester.edu/digital-pedagogy-workshop/>



Library Programs

Noon Time Talks: Readyng Your Classes for ChatGPT

09/07/2023



Tuesday September 12th, 12pm on Zoom

Last summer, the Writing Across the Curriculum Program convened a team of multidisciplinary faculty and staff for a "ChatGPT Boot Camp." Their first goal was to learn about ChatGPT (and other LLMs) in the higher education context. Their second goal was to create and curate A.I. teaching resources, especially materials faculty can use to build students' "Critical A.I. Literacy" and to support their critical thinking and academic integrity.



Student user needs

- What we know already
 - Students use a variety of types of spaces for different purposes and at different times of the academic year
 - Students like natural light
 - Students need good access to power for their devices



Rowan University Library

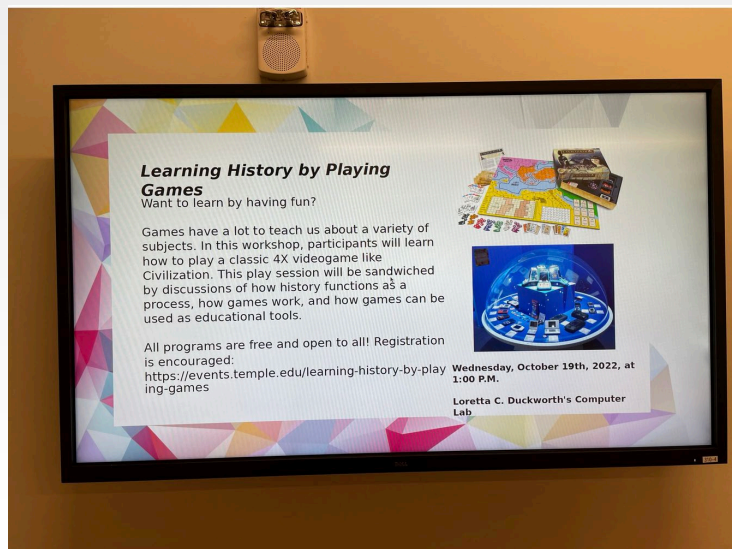


What kinds of learning does the library support?

- A variety of modes
 - Quiet study
 - Studying along
 - Collaborative, peer-to-peer learning
 - Creating in a variety of media
 - Analyzing
 - Making
 - ...
- A variety of students
 - First-year
 - First-generation
 - Undergrads
 - Honors/capstone
 - Graduate students
 - Parents
 - Neurodivergent



Forging close ties with the curriculum



Temple University Charles Library

Asian and Middle Eastern Studies

AMES 40: Nomads from central Asia to the Middle East



Course: AMES40: Nomads from central Asia to the Middle East
Instructor: Prof. Ken Bauer
Multimedia Research Project Assignment

DESCRIPTION

The Multimedia Research Project is a film-based argument, with a hypothesis supported by evidence. It integrates our in-class discussions and builds on close reading of articles and lectures as well as the search for and analysis of multimedia sources on indigenous knowledge and development. You will research any relevant topic of your choice and create a multimedia project.

OBJECTIVES

The goal of this project is to increase the clarity of your rhetorical skills and flexibility using images, words, film, audio, etc. The hope is that students will gain literacy in multiple media as they sharpen their understanding of how arguments are constructed. As a result of this project, you will:

- learn to do research with primary sources, including popular sources and peer-reviewed scholarship;
- use multimedia resources to compose an argument, create effective transitions between ideas, and develop your voice;

<https://sites.dartmouth.edu/mediaprojects/>



Virginia Tech University Libraries Home News Events Our People Spaces Giving

and invent in University Libraries Studios

Posted February 22, 2018 by Alec Masala



During a recent open house in the Virginia Tech University Libraries' Newman Library, faculty, students, and community members were introduced to opportunities to discover, envision, and invent in the studio network. The technologies and creative spaces available in the 3D Design Studio, Fusion Studio, Media Design Studio, Data Visualization Studio, Virtual Environment Studio, and Data Transformation Studio are some of the latest learning tools on campus that can help bring ideas to life, enhance research, and create new knowledge.



"The studios exist because we believe that creativity is as critical a skill as literacy," said Patrick Tomlin, Director of Learning Environments for Virginia Tech University Libraries. "We also believe that well-designed learning spaces can be tools to shape meaningful interactions, make innovation tangible, and spark community," said Tomlin.

The open house included tours of the studios and discussions with students and faculty who are using the spaces for research, entrepreneurial endeavors, and other collaborative and creative projects. Anyone can visit the studios and learn about new technologies from expert studio staff. Students and faculty need no previous knowledge of the studio technologies and tools; studio staff are experts and can provide hands-on training and education in areas such as 3D printing, virtual reality, and transforming complex data to be accessible and visually understandable.

"Recognizing that the process of learning can be just as important as the finished product, the studios emphasize hands-on, informal learning driven by thoughtful conversations and, whenever possible, peer-to-peer teamwork," said Tomlin. "We aspire to provide expertise, but we also want to make experts out of those who come into our studios."

To learn more about the studios in the University Libraries Newman Library, visit lib.vt.edu.

Filed under: Events, News, Our People, Spaces, Uncategorized
Tags: 3D, Augmented Reality, data, design, discovery, fusion, media, open, research, spaces, studios, support, Virtual Reality, visualization

◀ Previous Next ▶

University Libraries (6334) librarymarketing@lib.vt.edu
563 Dorrfield Drive University Libraries Home
Blacksburg, VA 24061
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<https://news.lib.vt.edu/2018/02/22/students-and-faculty-learn-how-to-discover-envision-and-invent-in-university-libraries-studios/>



“CATalyst Studios is founded on a commitment to formal and informal learning as essential parts of the UA student experience. In addition to working with faculty across disciplines to integrate the use of the studios into the curriculum...”

“CATalyst Studios programming also reflects the recognition that computational forms of research are increasing across all disciplines at the UA. ““Values of diversity, equity, and inclusion are strong elements in how CATalyst Studios operates. “

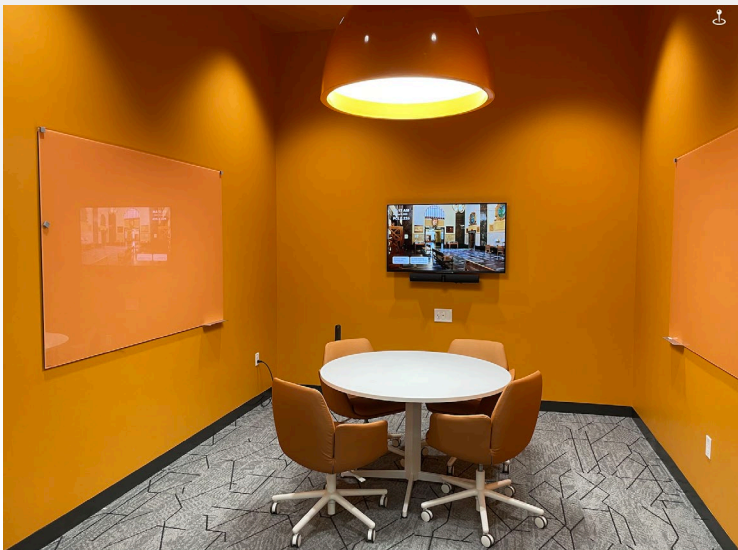
Shan Sutton, Designing Libraries for the 21st Century, Chapter 6



University of Arizona Library - Student Success District: CATalyst Studios



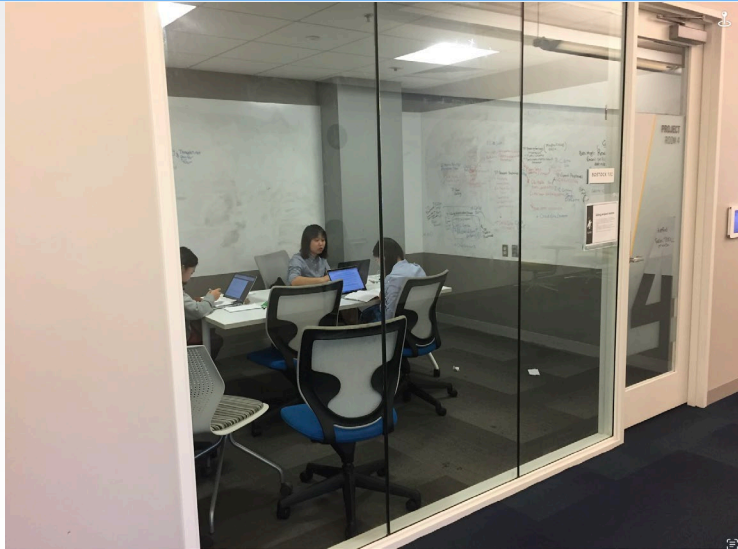
Providing a variety of collaborative spaces



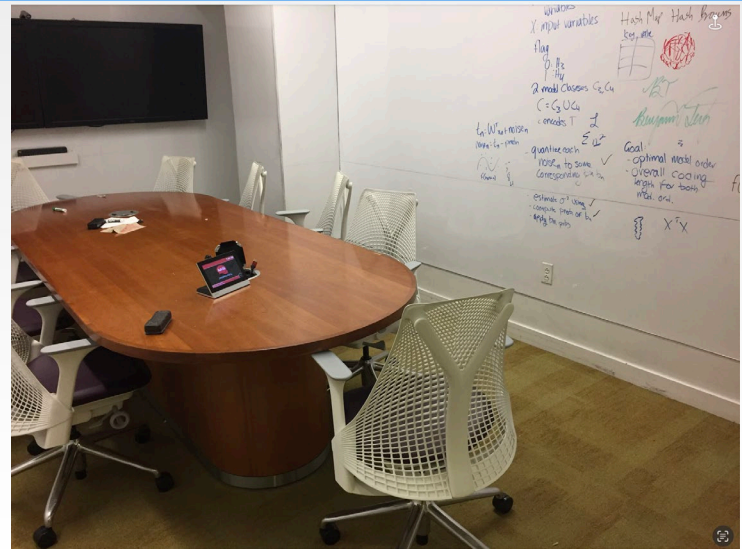
University of Texas Austin Scholars Lab



Group study rooms



Duke University Library "The Edge"



NC State University Hunt Library



Purdue University Wilmeth Active Learning Center



Group seating options



George Mason University Library



University of Connecticut Library



Adding privacy without walls



Cal State University – San Bernardino



University of Calgary TFDL – Graduate Study



Consider how to mix solo and group seating





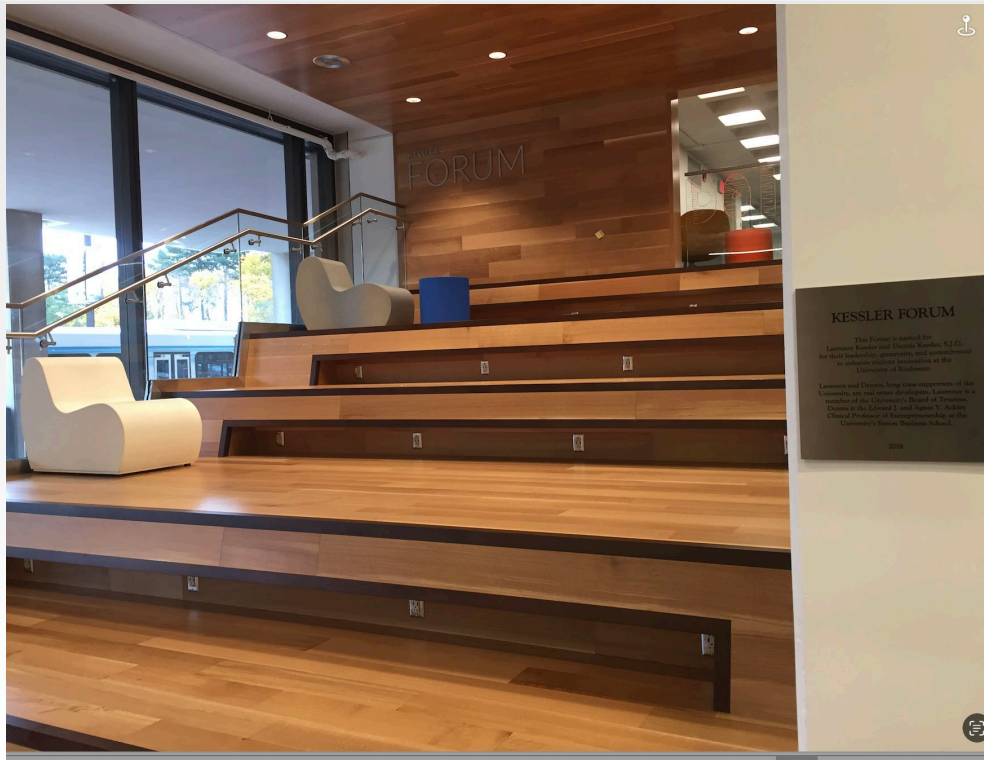
Flexible seating for presentations



University of Calgary Taylor Family Digital Library



Georgia State University Library

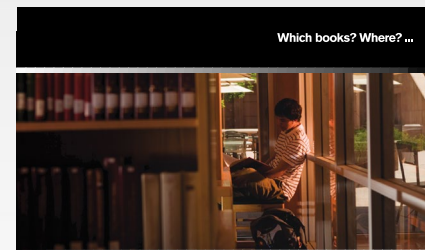


University of Rochester Library iZone



Space for the print collection

- Crema, "From Collections to Connections" in DL book
- Remote storage
- Automated storage retrieval systems
- Compact shelving
- Shared collections



The Future of the Academic Library Print Collection: A Space for Engagement

October 2017

ASU Library
Arizona State University

This work made possible by the Andrew W. Mellon Foundation.



Changing needs in the arts

- Books on compact shelves
- Video and audio post-production
- Podcast production room
- Seminar room with equipment

The screenshot shows the UC Santa Barbara Library website. The header includes the library name and navigation links for Research, Services, Visit, and About, along with a search icon. The main heading is "Arts Library Project Update". A sidebar menu on the left lists: News Center, Library Publications, Library Newsletter, Annual Impact Reports, From the Archives: Special Research Collections Newsletter, and Newsletter Sign Up. The main content area features a photograph of the new Arts Library interior and several text blocks. The first text block states: "The new [Arts Library](#) is opening in late fall quarter. Art & Architecture and Music print collections are inaccessible for public browsing until the opening of the Arts Library but can be requested via [UC Library Search](#)." The second text block states: "Music CDs (XCD) and LPs (XL2) now circulate outside of the Library with a 7-day loan and can also be requested via [UC Library Search](#). Public listening stations are currently available on the [2nd floor, Ocean Side](#), near the Media and Curriculum Resources collections." The third text block states: "The Library is still accepting Course Reserves requests and material for fall quarter. The [Course Reserves website](#) allows instructors to place their own materials on

<https://www.library.ucsb.edu/news/arts-library-project-update-9-2024>




Library spaces enhancing student well-being, belonging

- No “one size fits all”
- Programs, events
- Signifiers such as exhibits, art work
- A component of student success

CSU Los Angeles / University Library space reservations / Library Events Calendar

Meditation Mondays



Curious about meditation? Want to practice mindfulness meditation in a welcoming and safe space?

Join us each Monday 12:30pm-1pm for a 30 min meditation session led by UCLA's Mindful Awareness Research Center.

The sessions will offer an in-person and online community of meditation support and teaching. No need to register; come as you are!

Contact Lettycia Terrones, Librarian, for more information or questions: lterron@calstatela.edu

More info: <https://www.uclahealth.org/programs/marc/free-drop-ins>

Date: Monday, September 11, 2023 [Show more dates](#)
Time: 12:30pm - 1:00pm
Location: Community Room - Library North Level B Room B131
Audience: Faculty Graduate Student Staff Undergraduate Student
Categories: Workshops

<https://libcal.calstatela.edu/event/11018887>



Inclusive and welcoming spaces

- Understanding perceptions of current climate
- <https://library.duke.edu/about/dei-initiatives>
- Entrance areas
- Exhibits, events
- Artwork



How are libraries integrating DEI initiatives?

- CNI Forum participants:
 - More partnerships on projects that highlight diverse groups & content
 - More exhibits highlighting diversity
 - Outreach to campus groups with diverse populations
 - Hosting events highlighting diversity

The screenshot shows the University of Michigan Library website. The header includes the 'M LIBRARY' logo and navigation links for 'LOCATIONS AND HOURS', 'INFORMATION FOR', 'ASK A LIBRARIAN', 'GIVE', and 'ACCOUNT'. Below the header is a search bar and a main navigation menu with options like 'Find, Borrow, Request', 'Visit and Study', 'Research and Scholarship', 'Collections', and 'About Us'. The main content area features a breadcrumb trail: 'Home > Visit and Study > Events and Exhibits > Today and Upcoming > Being Mixed Race in a Mono-racially Organized World'. The exhibit title is prominently displayed. Below the title, there is a table with details: 'WHEN: April 9 - December 20', 'WHERE: Clark Library Exhibit Space, Hatcher Library South', 'EVENT TYPE: Exhibit', and 'SERIES: Exploring Mixed Race and Interracial Family Experiences'. To the right of the text is a collage of images related to the exhibit, including book covers and photographs. At the bottom right, there are social media sharing options for Facebook, X (formerly Twitter), and Email.

<https://www.lib.umich.edu/visit-and-study/events-and-exhibits/today-and-upcoming/being-mixed-race-mono-racially-organized>



Student art greets visitors to the Academic Commons!

<https://www.oxy.edu/academics/library/academic-commons/art-academic-commons>



University of Texas Austin Scholars Lab Entrance



Comfortable, traditional environments



Vassar College Library



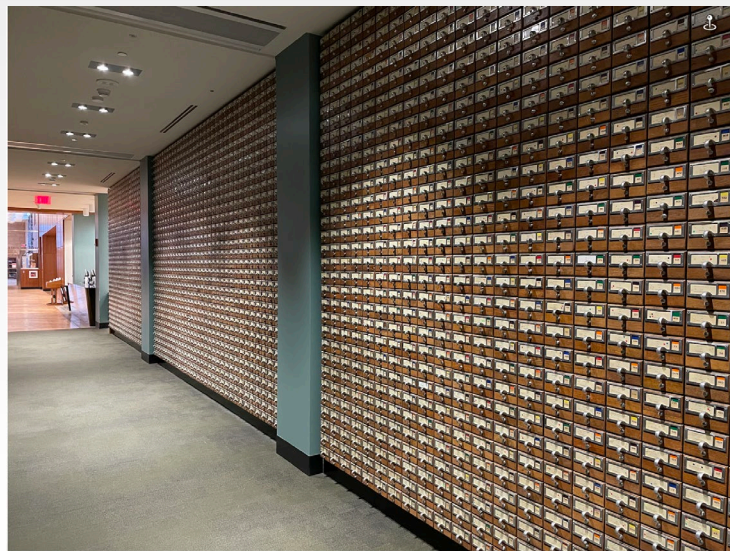
Brown University Library



Highlighting collections and library symbols



Georgia Tech Library



Princeton University Library



Carnegie Mellon University Library

"They made this just for me!"



Occupancy Estimation

Handwritten text on a sign posted on the wall to the right of the study area.

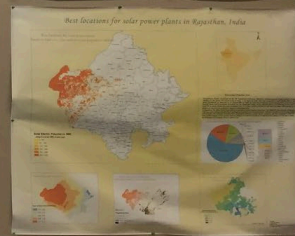
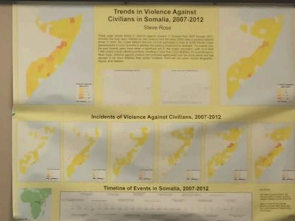
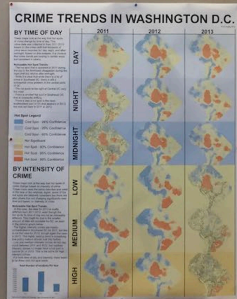
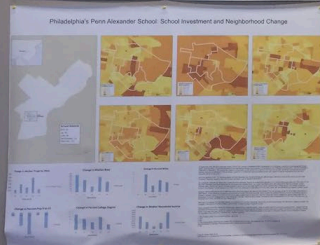
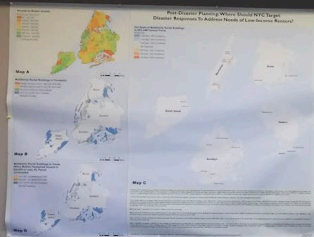




Exhibit at Princeton University Library

Maps from Students' Projects

If you need help with:

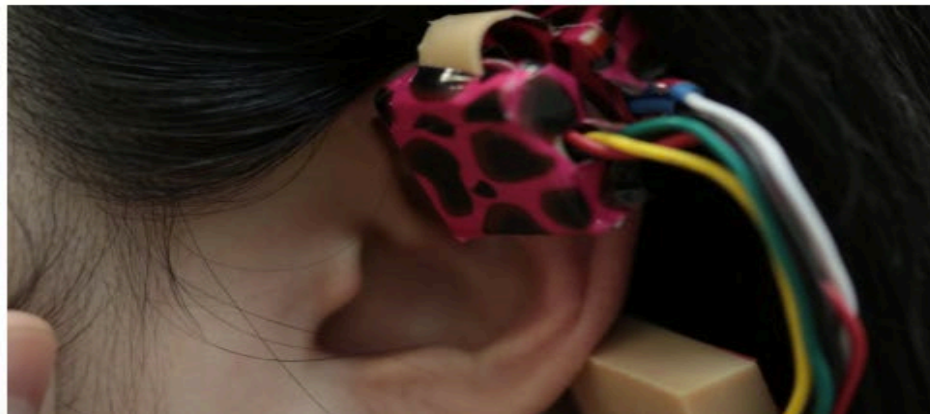


GELARDIN + MAKER HUB SHOWCASE



[Home](#) » [Libraries & Spaces](#) » [Gelardin New Media Center](#) » [Showcase](#) » [Ear Wearable Pulseoximeter Prototype](#)

Ear Wearable Pulseoximeter Prototype



[Project Type](#)

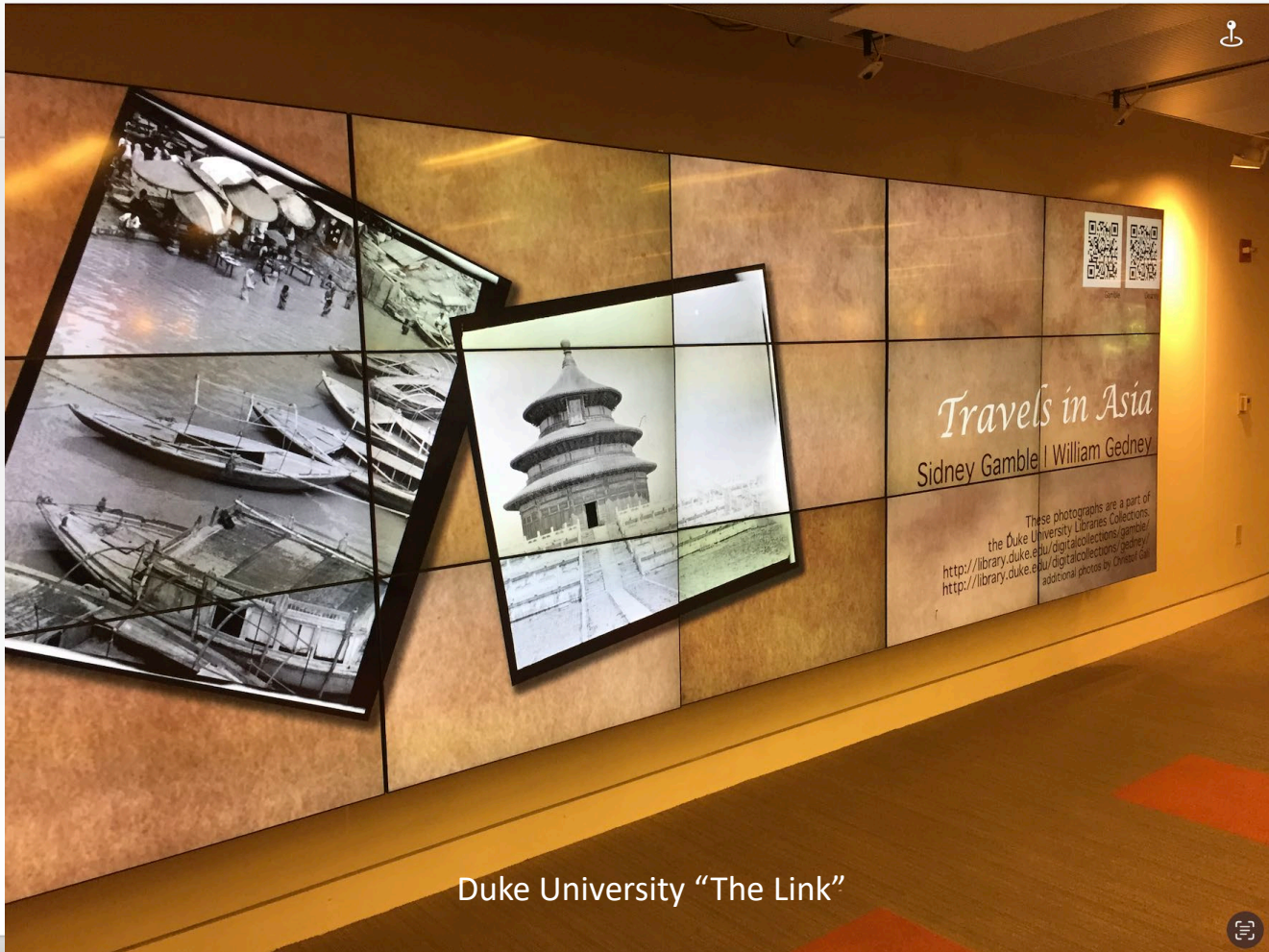
[By Course](#)

[Faculty](#)

[Showcase Winners](#)

[Submit your project](#)

Your project must have been created using Gelardin or Maker Hub resources, spaces, or staff assistance to be eligible.

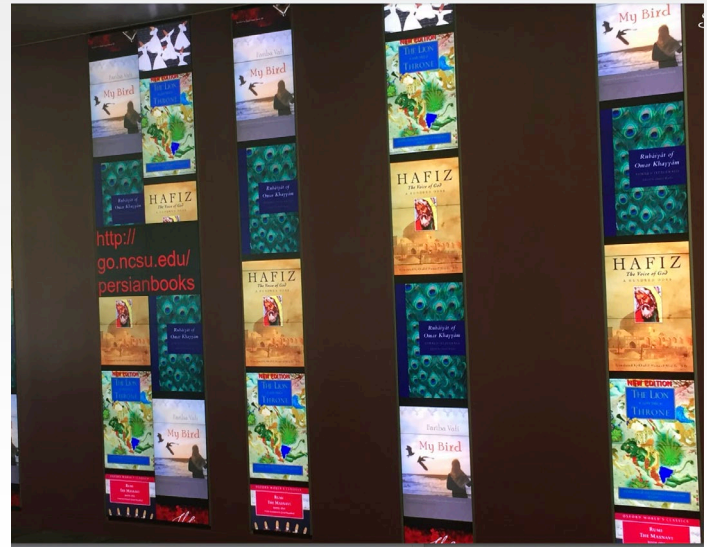


Duke University "The Link"





Art highlighting issues and collections @North Carolina State University





The library as cultural & regional institution



Temple University Charles Library



Cal State University Library - San Bernardino



Re-designing libraries for today's and tomorrow's needs

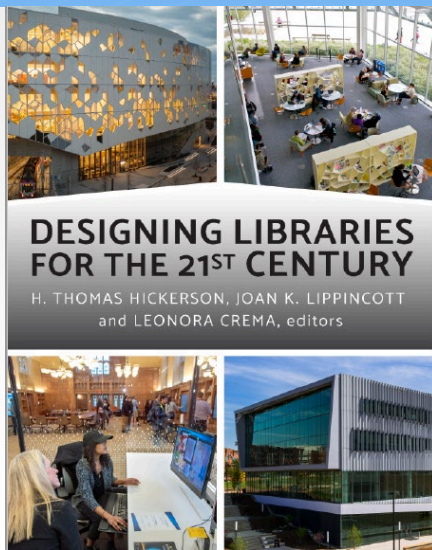
- Continue to highlight content and its relationship to research and learning
- Understand the needs of your current and future communities
- Recruit staff with specialized expertise or re-train staff
- Build in flexibility in spaces



Texas State University Library



Thank you!



<https://bit.ly/DesigningLibraries>

- Joan K. Lippincott
- Associate Executive Director *Emerita*
- Coalition for Networked Information
- <https://www.cni.org/about-cni/staff/joan-k-lippincott>
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