

Makerspaces



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ABOUT

The [Program on Information Science](#) of MIT Libraries is engaged with:

- Identifying and characterizing the best exemplars of makerspaces in academic libraries
- Surveying research libraries to understand emerging practices
- Designing and conducting qualitative interviews of 3D printing service providers at MIT
- Developing a guide for patrons interested in 3D printing

Rapid fabrication and scanning technologies have made it increasingly easy to transform information into physical objects, and vice-versa.

Research libraries are increasingly engaged in monitoring, assessing, and engaging in the area of information production and management. Many libraries are exploring these technologies to support information literacy, and research.

Rapid fabrication blurs the lines between information and physical objects, and raises intriguing questions about the changing nature of information literacy; the future of library spaces; and the extension of information life-cycles to include materialization as physical objects.

The Program on Information Science at the MIT Libraries created this site to provide information on rapid fabrication at MIT, and to provide information on research projects the program conducts that examine the potential role of rapid fabrication technologies within research libraries.



Massachusetts Institute of Technology
Program on Information Science, MIT Libraries

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UM3D LAB

DIGITAL MEDIA COMMONS



We have an open door policy **Monday-Friday, 9am-6pm.**
Located 1st floor, Duderstadt Center, Ann Arbor, MI (directions)

Excuse the digital dust. We're in the process of a site migration so some information may be missing as we move it over.
For questions or support please contact: um3d@umich.edu.



Submit Model
for 3D Printing



News
and Activities



Visiting
the Lab



People
of the Lab



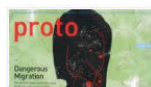
Walk-up
3D Printing

Welcome!

As an interdisciplinary service facility, the UM3D Lab provides the entire University of Michigan community access to the tools, expertise, and collaborative opportunities needed to support cutting edge research, academic initiatives, and innovative uses of technology in the general areas of:

- Teaching and Learning
- Visualization and Simulation
- 3D Printing and Scanning
- Motion Capture
- Modeling, Animation, and Design
- Custom Tool and Application Development

Whether you want to learn the technology and methods yourself, or need some additional expertise on your next project, we are here to help.



Virtual Cadaver Featured in Proto
Magazine
July 2, 2015



Interstitial Brachytherapy Template
June 22, 2015



3D Printed Earrings
June 22, 2015



3D Printing: Catheter Case
June 22, 2015

How We Can Help



Planning

The planning stage is arguably the most important, because what's decided and mapped here sets the stage for the entire project. This is also the stage that requires client interaction and the accompanying attention to detail.



Design

The design stage typically involves moving the information outlined in the planning stage further into reality. The main deliverables are a documented site structure and, more importantly, a visual representation.



Development

Development is where plans are realized, but it's not a single step. Iteration of a design....

Quicklinks

[Login](#)
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[Digital Media Commons](#)

[University of Michigan](#)
[Wolverine Access](#)
[Directory | C-Tools](#)
[University E-Mail](#)

Contact Info


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Ann Arbor, Michigan 48109


How Are We Doing?

Name *

Email *

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 MICHIGAN STATE UNIVERSITY

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Make@State

Overview
3D Printing
Laser Cutter
Vinyl Cutter
Borrowable Circuit Tech

MSU Libraries Maker Space

Make@State encompasses MSU Libraries' Makerspace services and equipment as well as providing a space for active collaborative learning. Through this space the libraries promotes and presents new and cutting edge technologies to students, staff, and faculty from across MSU as well as community users.

Contact

Erica Ervin – Make@State Coordinator
Phone: [\(517\) 884-7667](tel:517-884-7667)
Email: ervineri@mail.lib.msu.edu
Office: Main Library Building, W208E

Location

Main Library Copy Center, located on the 2nd floor of the West Wing.
[Hours of operation](#) for Make@State are in accordance with the Main Library Copy Center.

MICHIGAN STATE
UNIVERSITY

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Makerspace



3D Printing



3D Scanning



Workshops



Projects



Consultations



Electronics & Textiles



Design & Modeling



Community

Submit a 3D printing request.

RESEARCH
HUB


@ Kenan Science Library

The makerspace is part of the University Libraries' Research Hub initiative. Its purpose is to enable UNC students, staff and faculty to explore emerging technologies and foster a creative community of makers and making.

- [Equipment & Software](#)
- [Hours & Location](#)
- [FAQ & Policies](#)
- [Contact Our Team](#)
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Circuit Making

Prototype and make electronics with easy-to-learn tools



3D Printing

Print physical things from digital models you design or download



3D Scanning

Make 3D digital models of real-world objects



Laser Cutting

Cut and etch wood and plastics with a powerful laser



UPCOMING WORKSHOPS

AUG 18

D.H. Hill Makerspace Orientation
11:00 AM to 11:45 AM

AUG 21

D.H. Hill Makerspace Orientation
11:30 AM to 12:15 PM

AUG 21

D.H. Hill Makerspace Orientation
1:30 PM to 2:15 PM

AUG 24

3D Design Workshops with Autodesk Fusion 360
1:00 PM to 9:00 PM

[View all workshops >](#)

D. H. Hill Library

An open-access, D-I-Y creation space



James B. Hunt Jr. Library

3D Printing services and more



Thank you to the generous supporters of our Makerspace program:

- > Autodesk
- > Robert & Kathleen Connelly
- > Craig & Beth Goff
- > Intel
- > NC State University Foundation
- > SparkFun Electronics

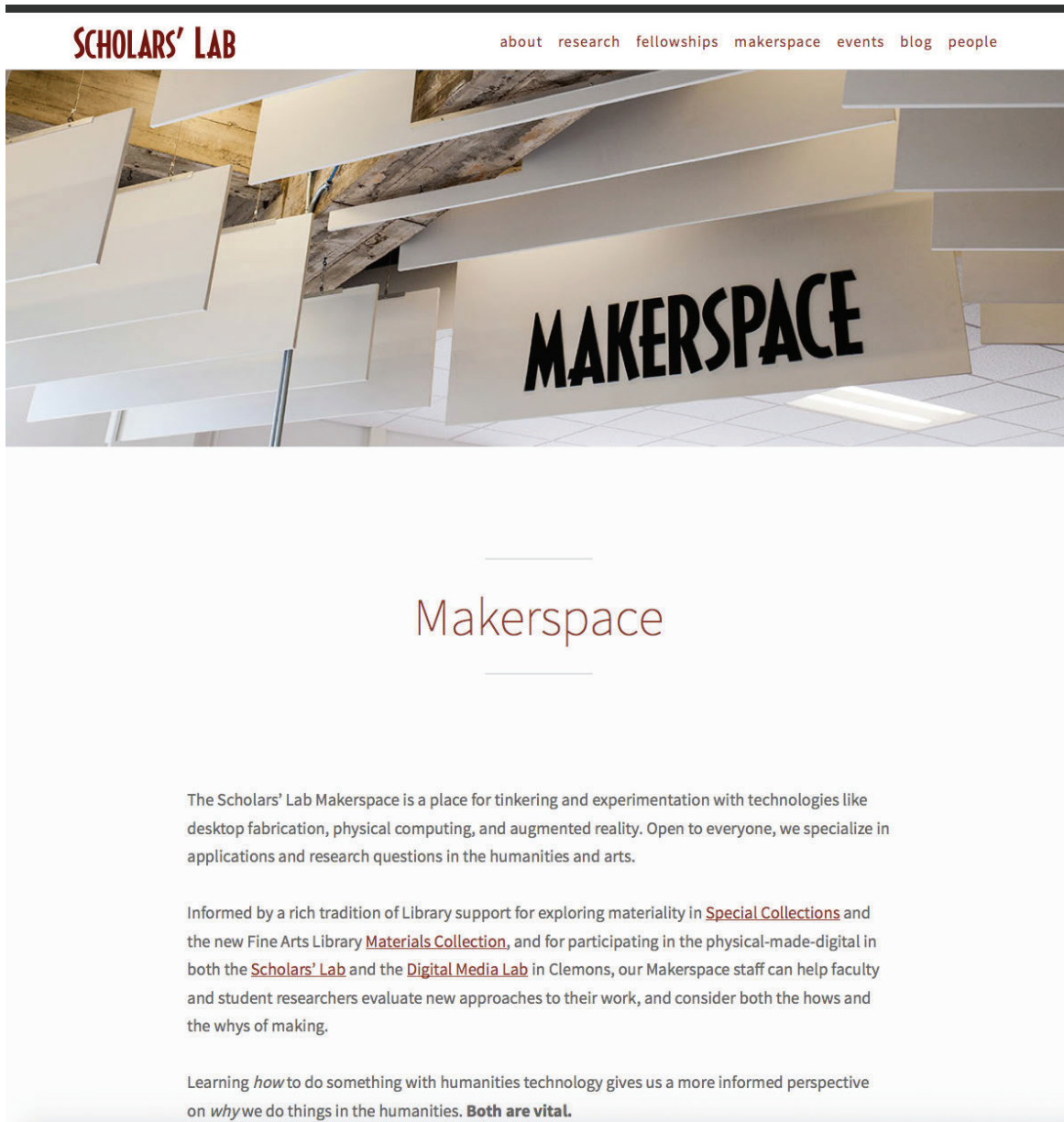
LIBRARY STORIES



Women in STEM Build Community (and Circuits) in E-Textiles Workshop



3D Scanning Artifacts for Digital History

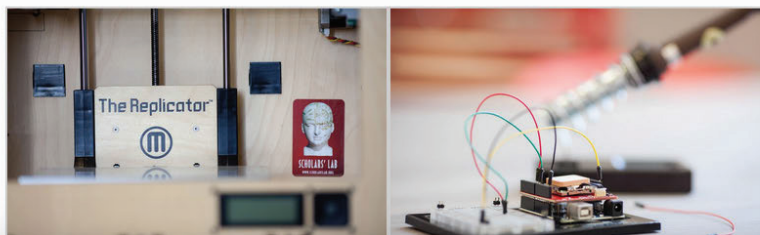
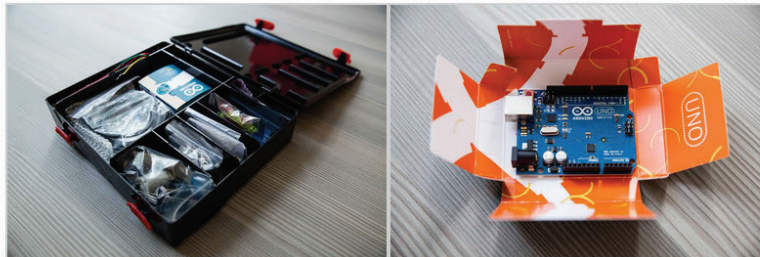


SCHOLARS' LAB

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Using the Makerspace

Interested in exploring the Makerspace? Have an idea to use microcontrollers or 3D modeling and printing technology to enhance your research or differently interrogate your assumptions? **The Makerspace is open from 1:00-5:00 p.m. Monday through Friday.** Stop by to talk to one of our student consultants, attend our maker [workshops](#), or contact us at scholarslab@virginia.edu to schedule an appointment with Scholars' Lab faculty and staff to discuss your planned project.



SCHOLARS' LAB

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What's in the Makerspace?

- 3D Printers: [MakerBot Replicator 2](#) and [MakerBot Replicator](#)
- Assortment of PLA, ABS, and Ninjabflex filaments
- [Sparkfun Arduino kits](#), with Arduino UNO boards and an assortment of Arduino shields.
- [Raspberry Pi](#)
- Basic supplies for wearables and tactile computing
 - Conductive thread
 - Conductive fabric
 - Felt
 - Sewing needles and thread
- Quilting/cross-stitch frames
- 55" display with touch screen
- iMac with software installed
- Camera equipment
 - Canon EOS 6D camera
 - Samsung NX1000 camera
 - 25mm lens
 - 35mm lens
- Tool box with basic hand tools (wrenches, screwdrivers. etc.)
- Soldering irons, solder, helping hands
- Spare parts for basic electronics tinkering (breadboards, wire, switches, sensors)

All equipment is maintained for use in the Makerspace and is not available for check out at this time.

Archives

Categories	Tags	Recent Posts	Posts by Year
<ul style="list-style-type: none">AnnouncementsDigital HumanitiesEventsExperimental HumanitiesGeospatial and TemporalGrad Student ResearchPodcastsResearch and DevelopmentUncategorized	<ul style="list-style-type: none">alt-ac altac career opportunitiescartography charter code CSSdesign developmentdigital-work Digital Humanities digitalLibraries geospatial gis gitgraduate training historic howtoHTML Ivanhoe javascript mapneatline omeka php plugins	<ul style="list-style-type: none">Physical Computing at DHSI 2015//TODO – Introduce Code ConceptsCan you get the data out of this file?Announcing 2014-2015 Fellows!Expanding Our Makerspace Community	<ul style="list-style-type: none">20152014201320122011201020092008