

GETTING THE USER'S JOB DONE

Empathy, iteration, and self-learning in the library

Brian Zelip

Emerging Technologies Librarian

University of Maryland, Baltimore

zelip.me/talks/the-job.pdf



Today's education and research

needs more from us than

text-based services and resources.

Historically, the "IT" group has been

the library's front lines for the cutting edge.

Now, more and more (solo) librarians

are working at the cutting edge as well.

- **Bioinformatics**
- **Data services**
- **Digital humanities**
- **Health and life sciences**
- **Journalism**
- **Makerspaces**
- **etc.**

Innovation space

WELCO

Upcoming Workshops:

Introduction to 3D Printing
Aug 4, 9 12p-1p

Introduction to 3D Modeling
July 28
Aug 8 12p-1p

What's Available
Lulabot TAZ 5
MakerBot Replicator 2x

Tutorials from Lynda.com

Great learning resource that offers 3,500 video tutorials by experts. Topics range from 3D modeling to computer programming.



NEW
Poster Printing Service

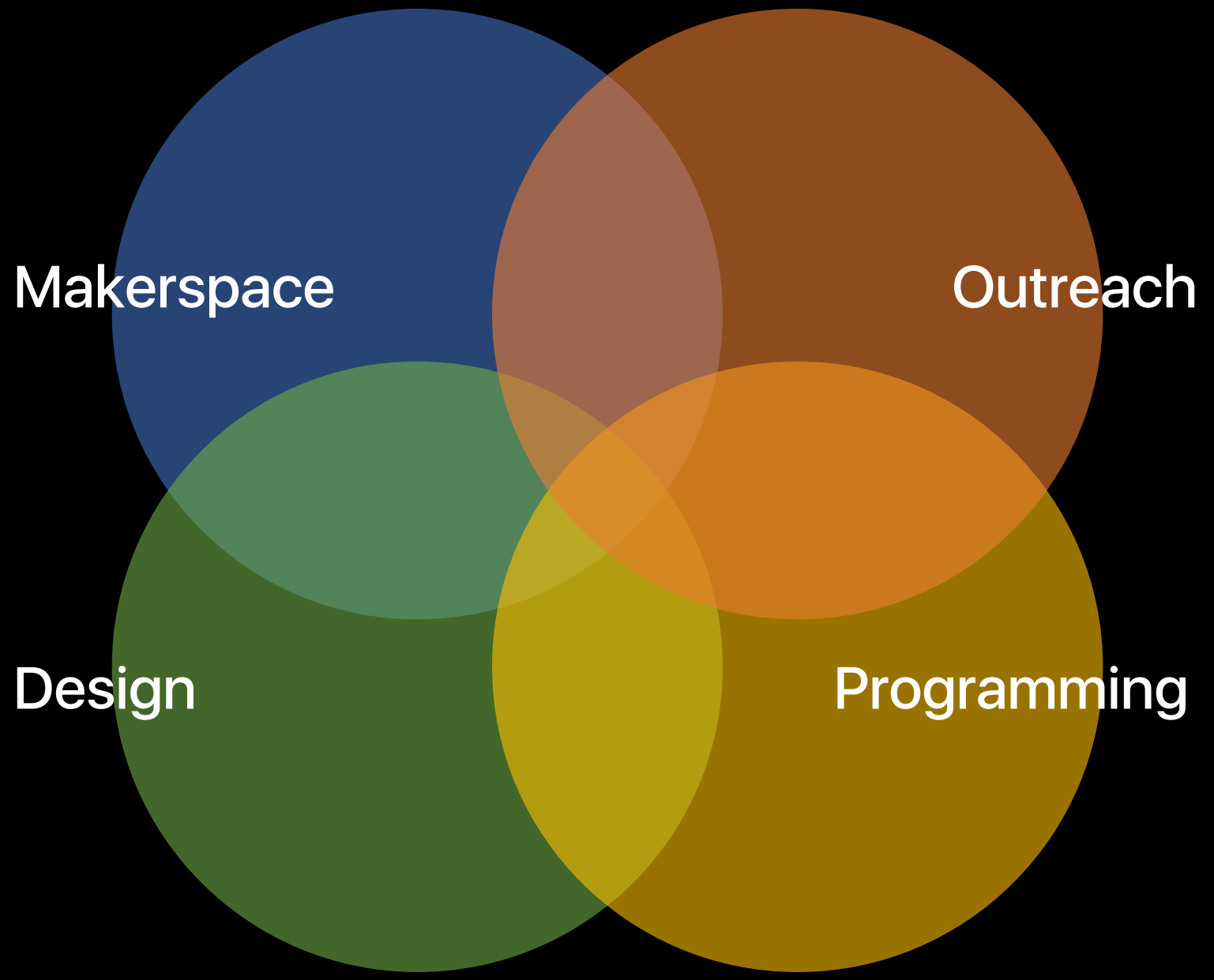
What you need to know:
• Up to 48" x 36"



RESTROOMS



A group of students in blue shirts are gathered around a 3D printer. An instructor with a beard and glasses is explaining the process to them. The printer is on a wooden table with a computer monitor and a spool of filament. The background features a chalkboard with workshop information and a 'RESTROOMS' sign.



Makerspace

Outreach

Design

Programming

Design

**Component
thinking**



Most people make the mistake of
thinking design is what it looks like.
People think it's this veneer...

That's not what we think design is.
It's not just what it looks and feels like.

Design is how it works.

Steve Jobs

Quote: <https://www.nytimes.com/2003/11/30/magazine/the-guts-of-a-new-machine.html>

Image: <https://fm.cnbc.com/applications/cnbc.com/resources/img/editorial/2013/10/03/101085315-80823058.1910x1000.jpg>

Design

**Component
thinking**



**Do One Thing
and Do It Well**
The Unix philosophy

Service design thinking

Services should be:

- designed based on customer needs rather than the internal needs of the business.
- designed with input from the users of the service
- prototyped before being developed in full

Design thinking

- Empathy: *understanding the needs of those you're designing for*
- Ideation: *generating many ideas*
- Experimentation: *testing those ideas with prototyping.*



Design thinking

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Trying CSS Grid for the first time (Adam Argyle)

Browser Preview (file:///Users/mpj/codetemp/fff-twitch-overlays/nav.html) — fff-twitch-overlays

```
1 <html>
2   <head>
3
4
5   </head>
6   <body>
7     dasjadhkjasdh
8     dsajdkasljadskljsd
9     <nav>
10      <picture>
11        <img src="" alt="">
12      </picture>
13      <a href="#">Stream starting soon</a>
14      <a href="#">Left desk only</a>
15      <a href="#">Remote fika</a>
16      <a href="#">Remote coding</a>
17      <a href="#">BRB</a>
18      <a href="#">BYE</a>
19    </nav>
20  </body>
21 </html>
```

dasjadhkjasdh dsajdkasljadskljsd
[Stream starting soon](#) [Left desk only](#) [Remote fika](#) [Remote coding](#) [BRB](#) [BYE](#)



mpjme



argyleink



Failing together
at programming

Live every Monday
7-9AM Pacific Time
twitch.tv/funfunfunction

Job to be done theory

- People buy products and services to get a “job” done
- Jobs are functional, with emotional and social components
- Success comes from making the “job”, rather than the product or the customer, the unit of analysis

You have [users],
they need your help,
they often have no idea how to describe
what they need,
they have no idea how to evaluate what
they're looking at,
and most importantly, they have no way
of knowing whether or not they're
working with the right [librarian].

@monteiro

Quote: <https://vimeo.com/88764543>

Image: <https://chifoo.org/wp-content/uploads/2017/12/Mike-Monteiro-April.png>



React

A JavaScript library for building user interfaces

[Get Started](#)[Take the Tutorial >](#)

Declarative

React makes it painless to create interactive UIs. Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.

Declarative views make your code more predictable and easier to debug.

Component-Based

Build encapsulated components that manage their own state, then compose them to make complex UIs.

Since component logic is written in JavaScript instead of templates, you can easily pass rich data through your app and keep state out of the DOM.

Learn Once, Write Anywhere

We don't make assumptions about the rest of your technology stack, so you can develop new features in React without rewriting existing code.

React can also render on the server using Node and power mobile apps using [React Native](#).

Components Basics

Base Example

Reusing Components

- data Must Be a Function

Organizing Components

Passing Data to Child Components with Props

A Single Root Element

Listening to Child Components Events

- Emitting a Value With an Event

- Using v-model on Components

Content Distribution with Slots

Dynamic Components

DOM Template Parsing Caveats

Components In-Depth

Component Registration

Props

Custom Events

Slots

Dynamic & Async Components

Handling Edge Cases

Transitions & Animation

Components Basics

Base Example

Here's an example of a Vue component:

```

// Define a new component called button-counter
Vue.component('button-counter', {
  data: function () {
    return {
      count: 0
    }
  },
  template: '<button v-on:click="count++">You clicked me {{ count }} times.</button>'
})
    
```

Components are reusable Vue instances with a name: in this case, `<button-counter>`. We can use this component as a custom element inside a root Vue instance created with `new Vue`:

```

<div id="components-demo">
  <button-counter></button-counter>
</div>
    
```

```

new Vue({ el: '#components-demo' })
    
```



[Introduction](#)

Getting Started

[Next.js](#)

[Gatsby](#)

[Create React App](#)

[React Static](#)

[Webpack](#)

[Parcel](#)

[Zero](#)

Migrating from v0 to v1

[Playground](#) ALPHA

Guides

[Syntax highlighting](#)

[Live code editor](#)

[Table of contents](#)

[Writing a plugin](#)

[Custom loader](#)

[Wrapper customization](#)

[Vue](#) ALPHA

Advanced

MDX

Markdown for the component era

MDX is an authorable format that lets you seamlessly write JSX in your Markdown documents. You can import components, such as interactive charts or alerts, and embed them within your content. This makes writing long-form content with components a blast 🚀.

Try it

Hello, *world!*

Below is an example of JSX embedded in Markdown.

Try and change the background color!

This is JSX

```
# Hello *world*!
```

PRINCIPLES

Responsive

Everything should be 100% responsive. Your website should work regardless of a user's device or screensize.

Readable

No matter the lighting, or the device, font-sizes should be large enough and contrast should be high enough for your users to easily read your content.

Modular

Tachyons isn't just a monolithic framework. It's a collection of small modules that can be mixed and matched or used independently. Use what you need. Leave the rest.

Accessible

Accessibility is important to us. Throughout both the css and the documentation we provide numerous tools and methods for making it easier to maximize the accessibility of your site.

Performant

Code should be optimized for performance.

Reusable

Clear documentation helps create a shared understanding of design patterns amongst your team. This helps promote reuse and reduces the amount of redundancy in a codebase.

FEATURES

Open source component library

There is a [growing library of open source components](#) written in static html that are easy to use as is, customize with your own theme, or port to a templating language.



Search or jump to...



Pull requests Issues Marketplace Explore



css-modules / css-modules

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Fork 392

Code

Issues 71

Pull requests 10

Projects 2

Wiki

Insights

Branch: master

css-modules / README.md

Find file

Copy path

juanca Documentation on `from global` (#270)

9922d6e on Oct 27, 2017

16 contributors



146 lines (95 sloc) | 5.41 KB

Raw

Blame

History



CSS
MODULES

CSS Modules

A **CSS Module** is a CSS file in which all class names and animation names are scoped locally by default. All URLs (`url(...)`) and `@imports` are in module request format (`./xxx` and `../xxx` means relative, `xxx` and `xxx/yyy` means in modules folder, i. e. in `node_modules`).

CSS Modules compile to a low-level interchange format called ICSS or [Interoperable CSS](#), but are written like normal CSS files:

Hands-on prototyping:

iteratively design, build, and test with users

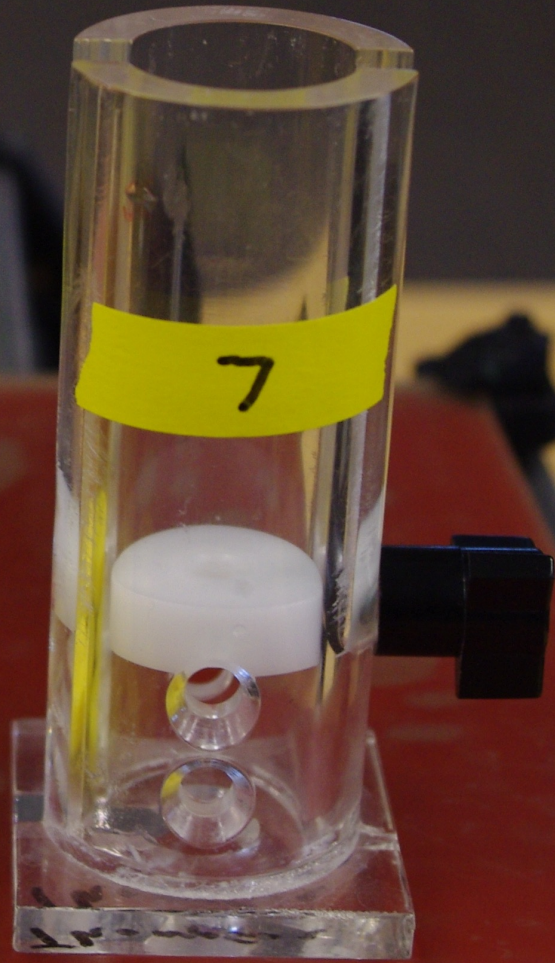
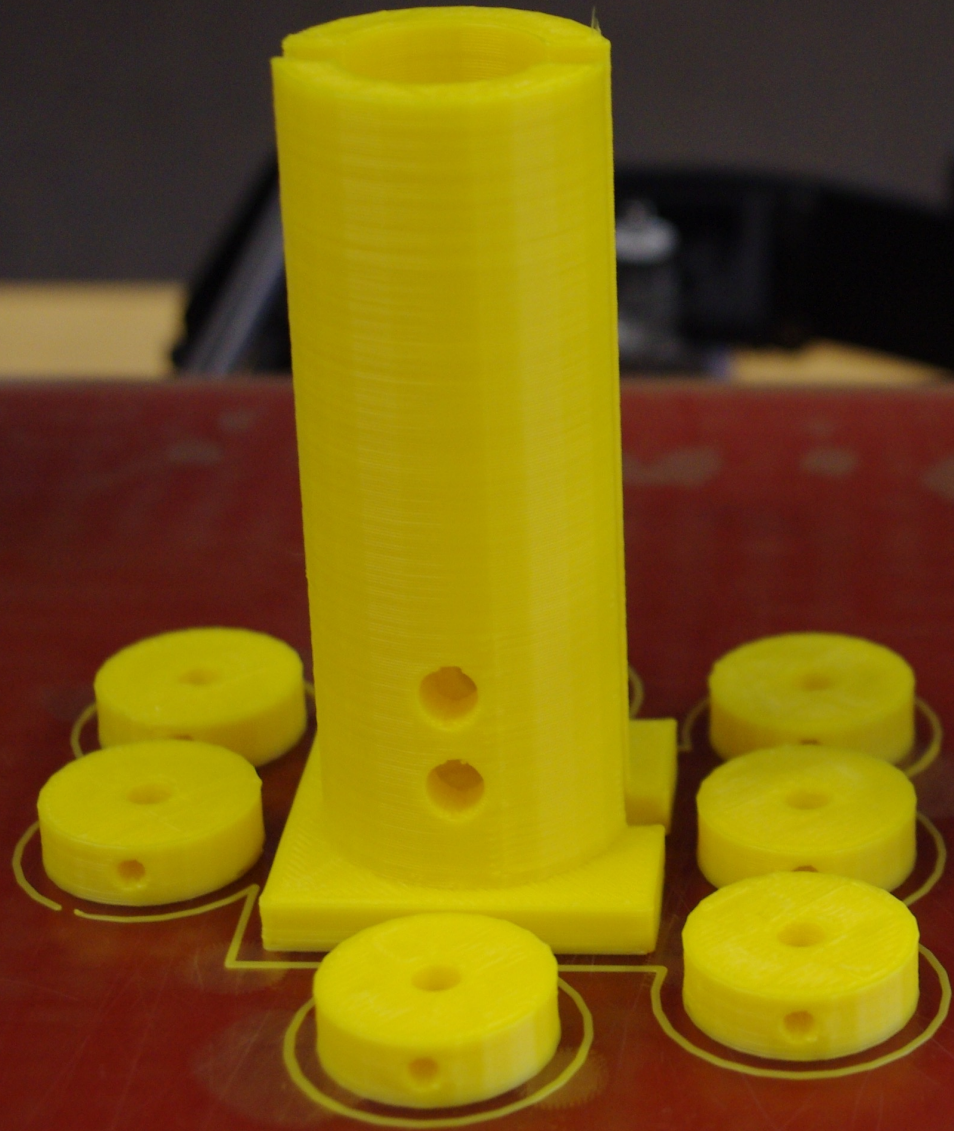
Users dream it



we make it



zelip.me/talks/tinkercad-demo.gif





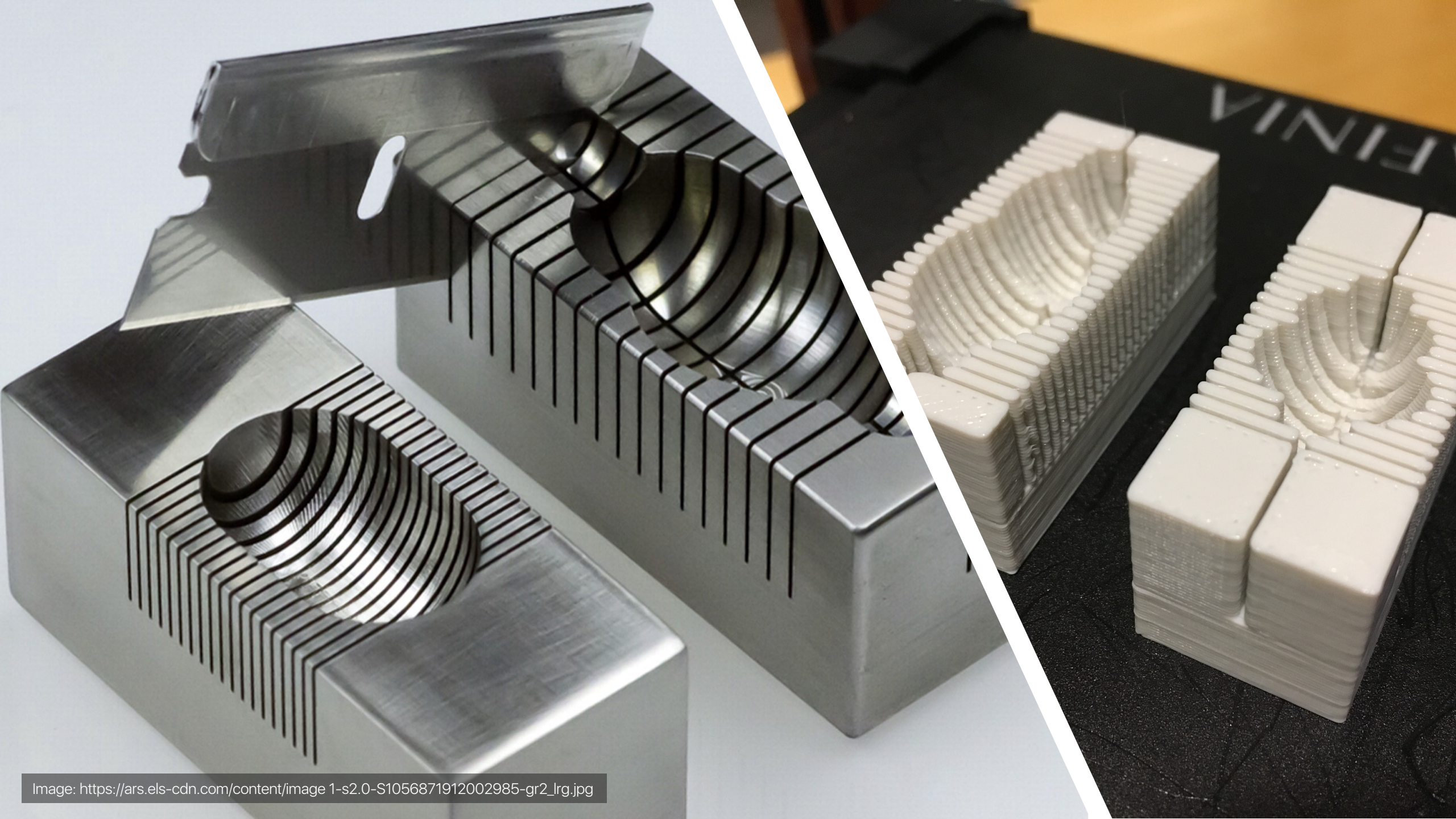
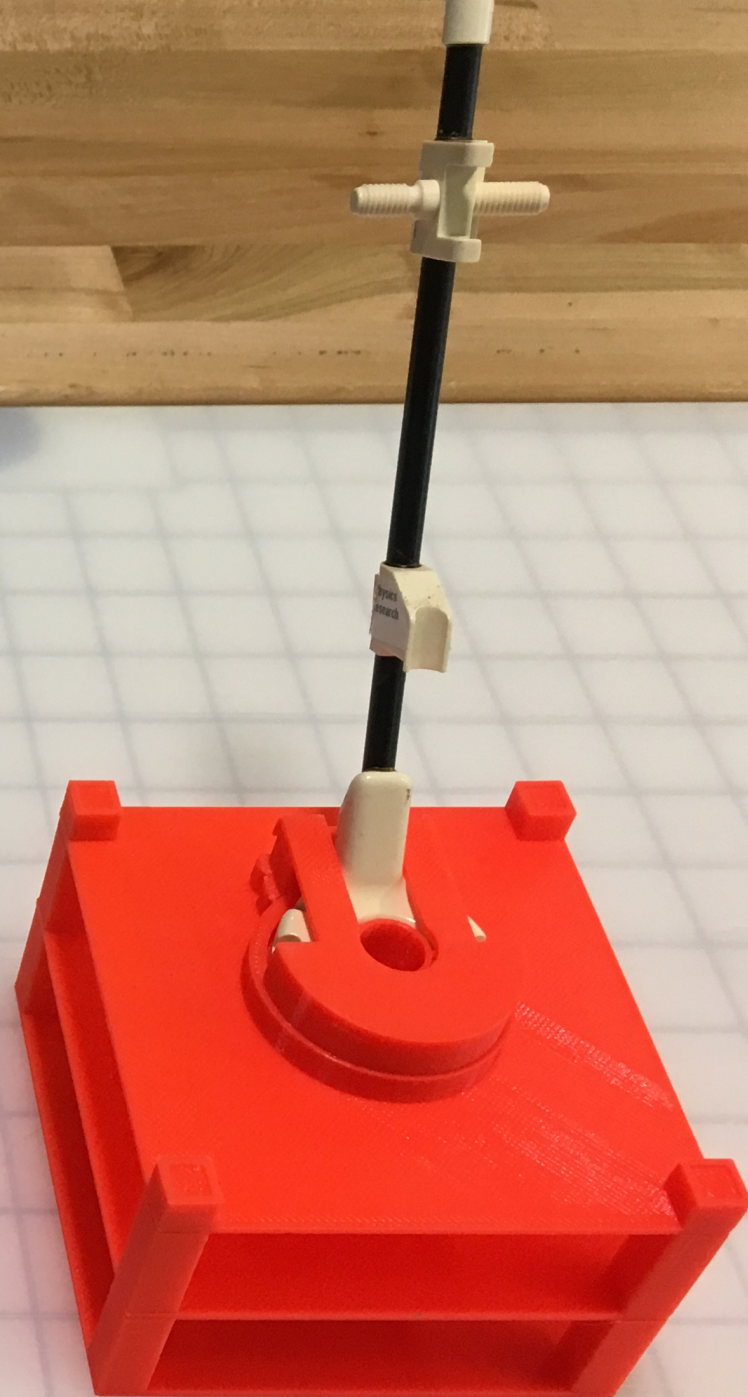
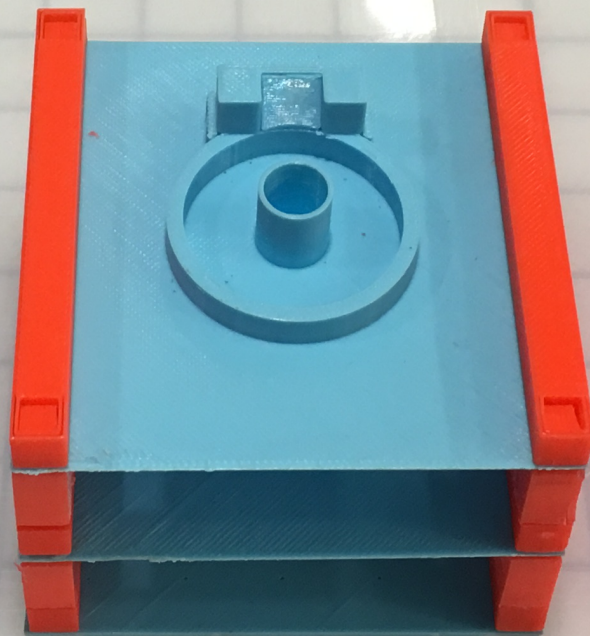
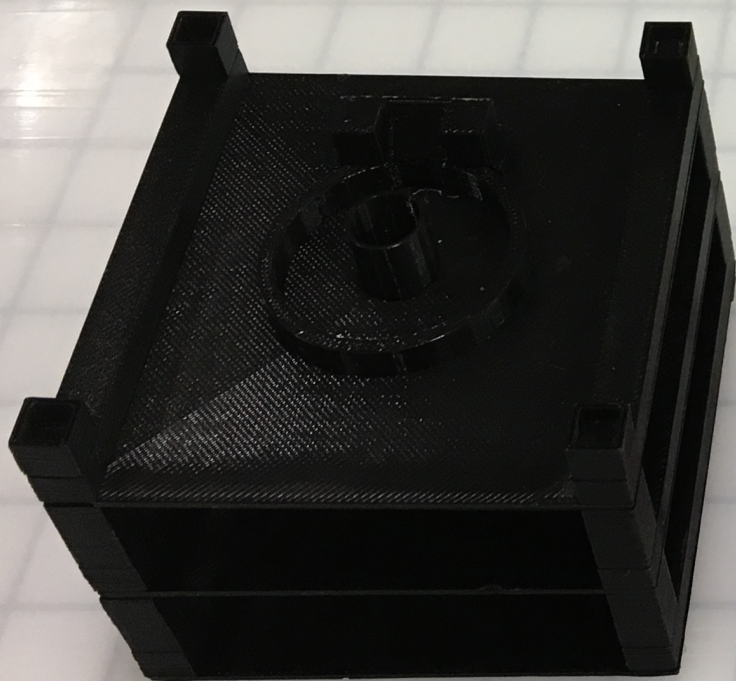
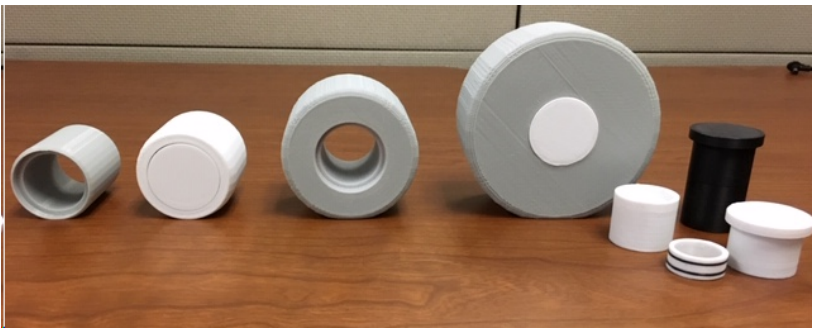
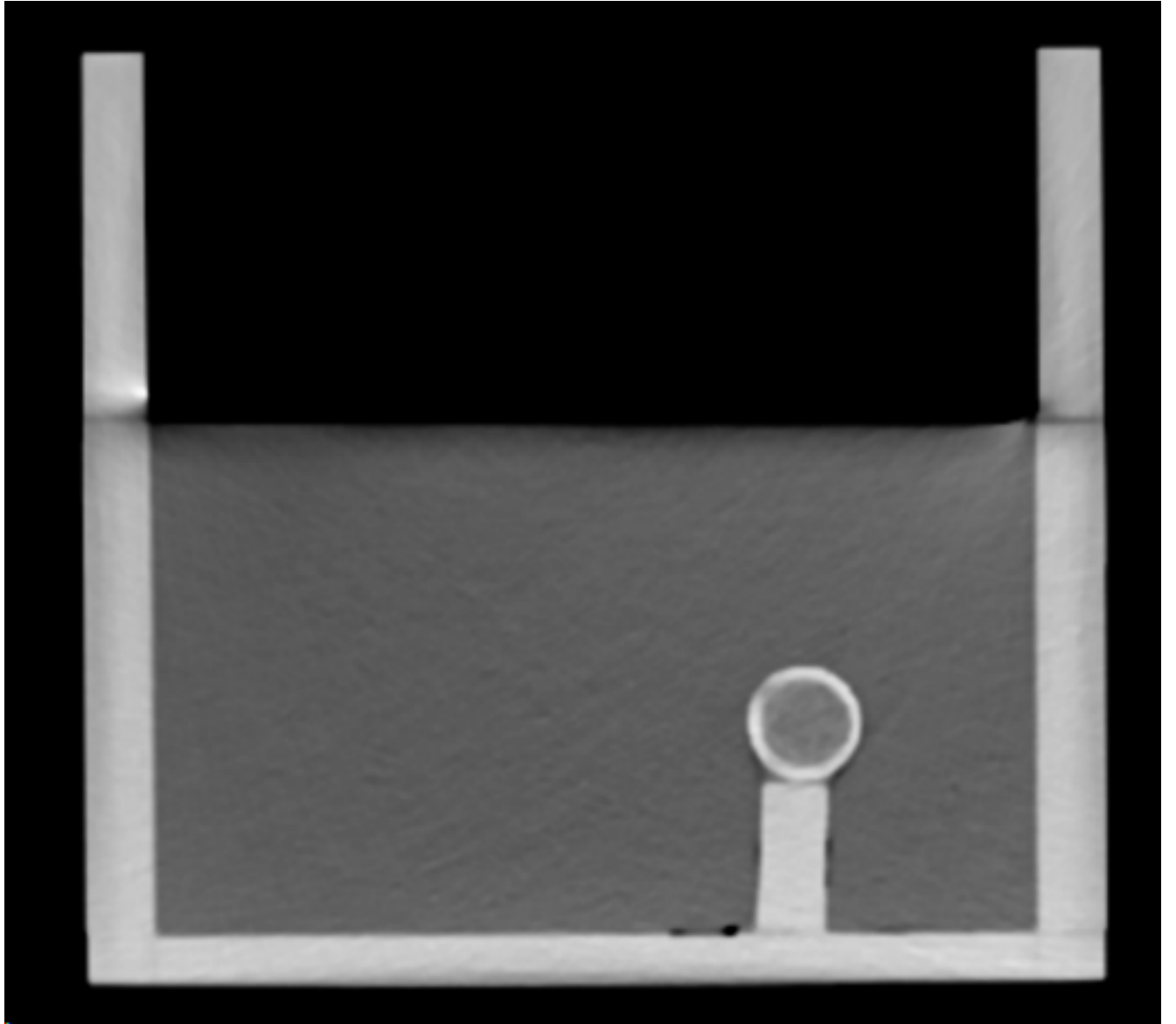
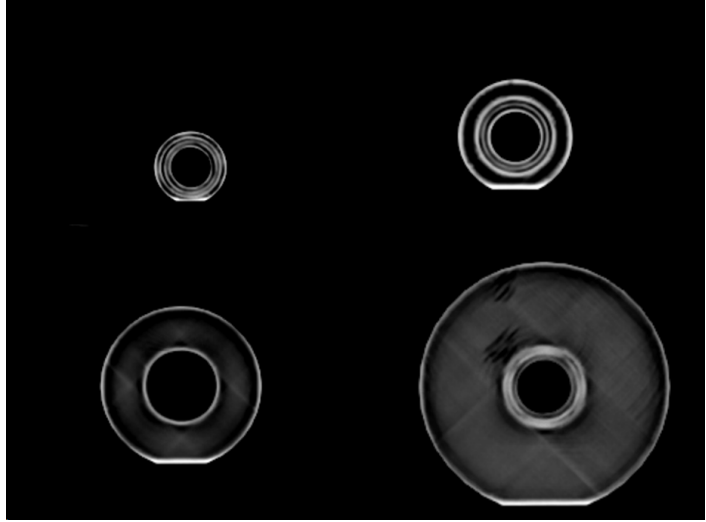


Image: https://ars.els-cdn.com/content/image-1-s2.0-S1056871912002985-gr2_lrg.jpg







www.hshsl.umaryland.edu/inspace/#newsletter

HS/HSL

innovation space

Newsletter



**This talk is about successfully meeting
the increasingly cutting edge needs
academic librarians face.**

Empathy

Iteration

Design

Component thinking

Life-long learning

A large suspension bridge is silhouetted against a sunset sky. The sun is low on the horizon, creating a bright reflection on the water. The bridge's towers and cables are visible, extending across the frame.

THANK YOU

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