

2016-09-20

Digital Scholarship Centres


<http://hdl.handle.net/1880/52179>

Downloaded from PRISM Repository, University of Calgary

is.gd/mcmaster_dsc

Use this to follow the
slides if you're far away.

Digital Scholarship Centres, Technology, and Access



Dale Askey, McMaster University Library
@daskey & @macscds

Designing Libraries 5 - September 20, 2016

McMaster - SCDS quick context

Occupancy in 2012

Mills (main) Library first floor

4750 sq ft - former map department

15 resident cubicles

8 staff offices

makerspace

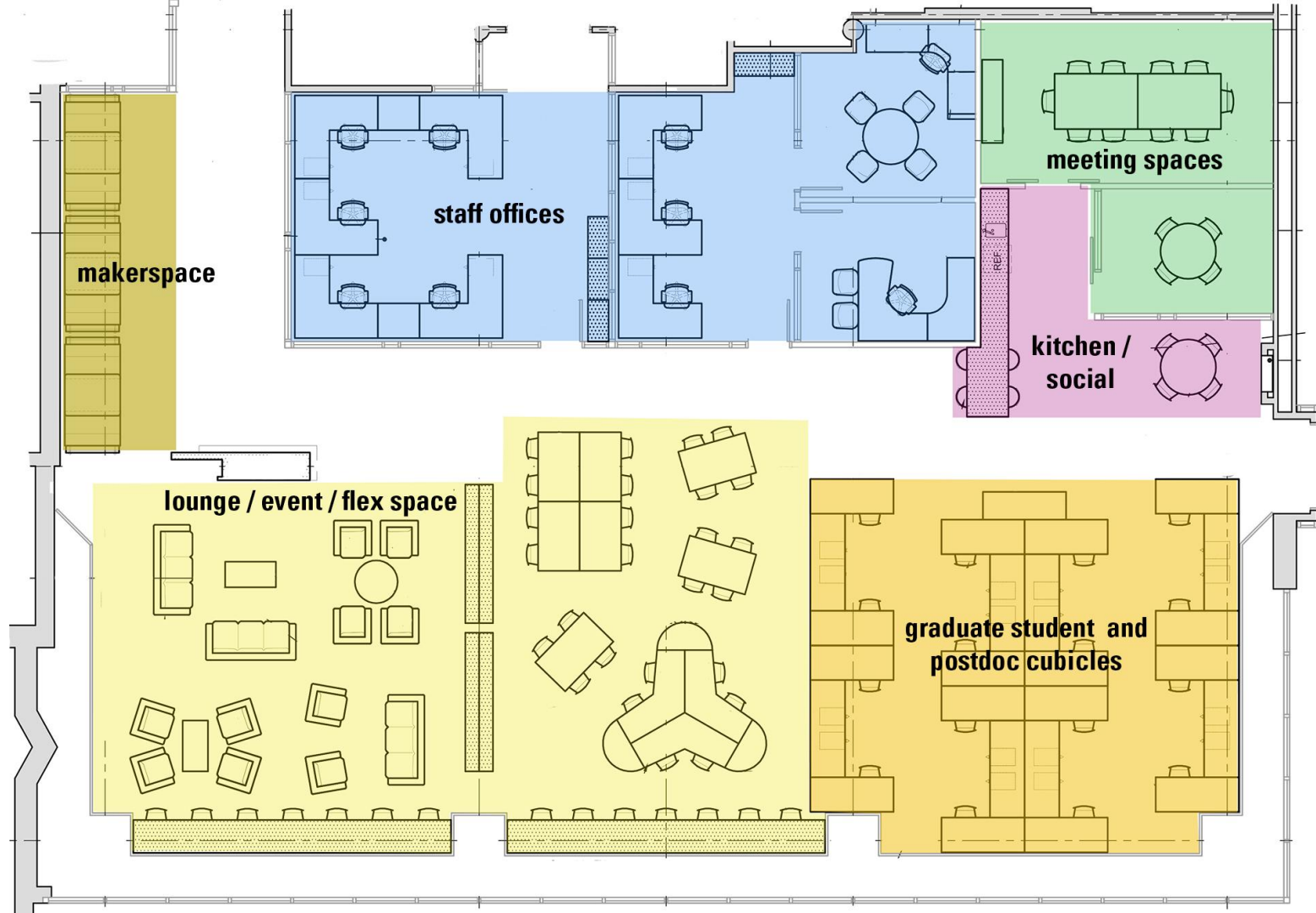
staff offices

meeting spaces

**kitchen /
social**

lounge / event / flex space

**graduate student and
postdoc cubicles**



SCDS Technology

Four physical servers, direct control

Two Backblaze storage pods, 315 TB raw

Three 'overkill' DS workstations (HP Z840)

Can provision VMs, storage, applications

Docker / Ansible key technologies

Tea kettle

SCDS makerspace

‘Organic’ development

3D printing focus - expertise development

R&D makerspace

Curriculum development, training

**We prefer making \$50
mistakes.**

Makes asking forgiveness so much less painful.



Access, controlled

Locked door

Grant access to faculty (low threshold), grad students (moderate threshold), undergrads (high)

Creates some issues, but helps us avoid others

Breaking down the door, virtually

Remote desktop access to workstations

Increased VM utilization, installed services

Projecting our activities to other locales

Research and service, separated

Co-mingling creates challenges, requires policing

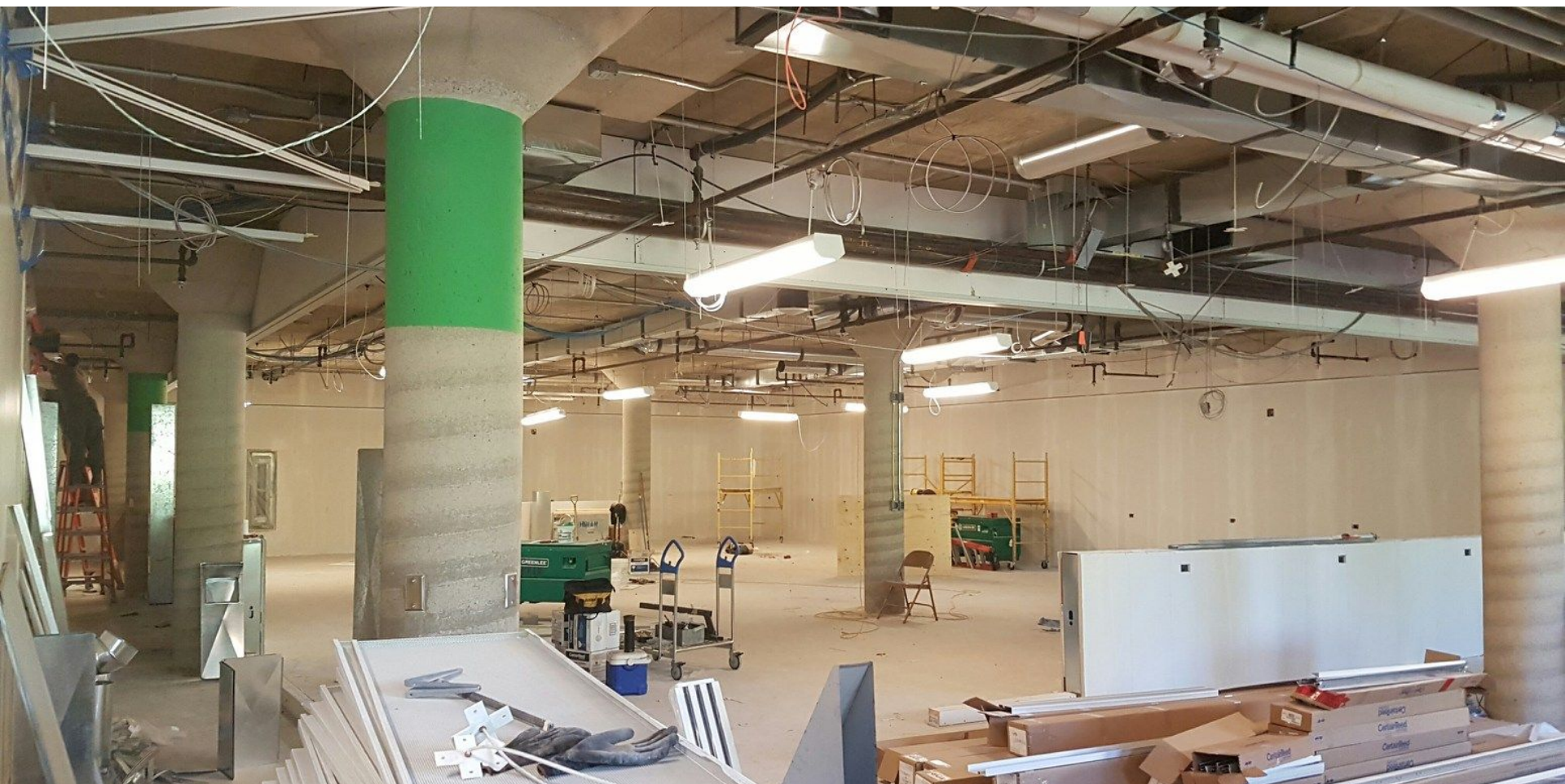
Research can be messy, iterative

Give staff space to do their job

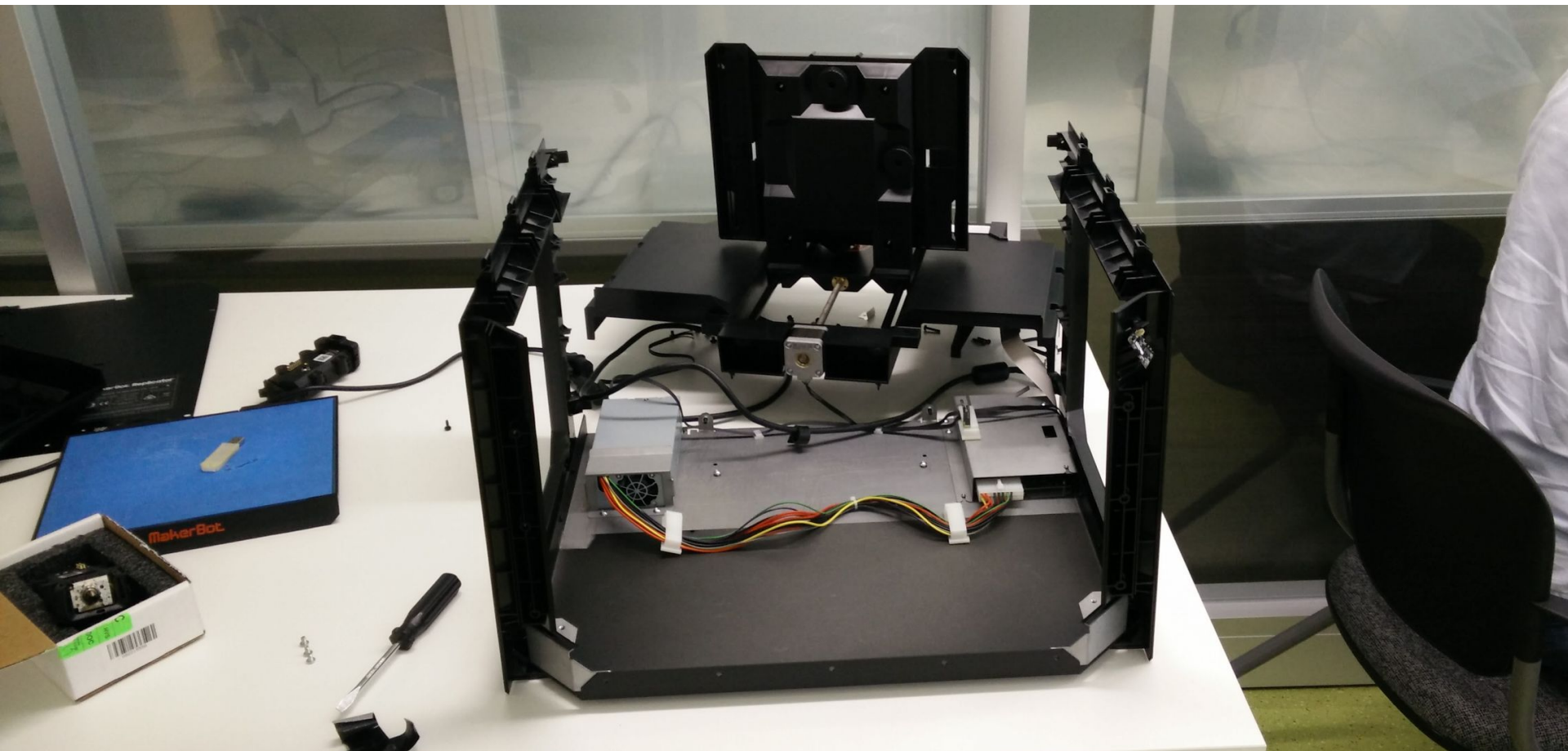
Can't deliver services in a sandbox



Research



Service



Research

8mm3 test runs



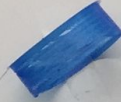
default



default
20 min cooling



230°
no reel



default -
post-Atomic



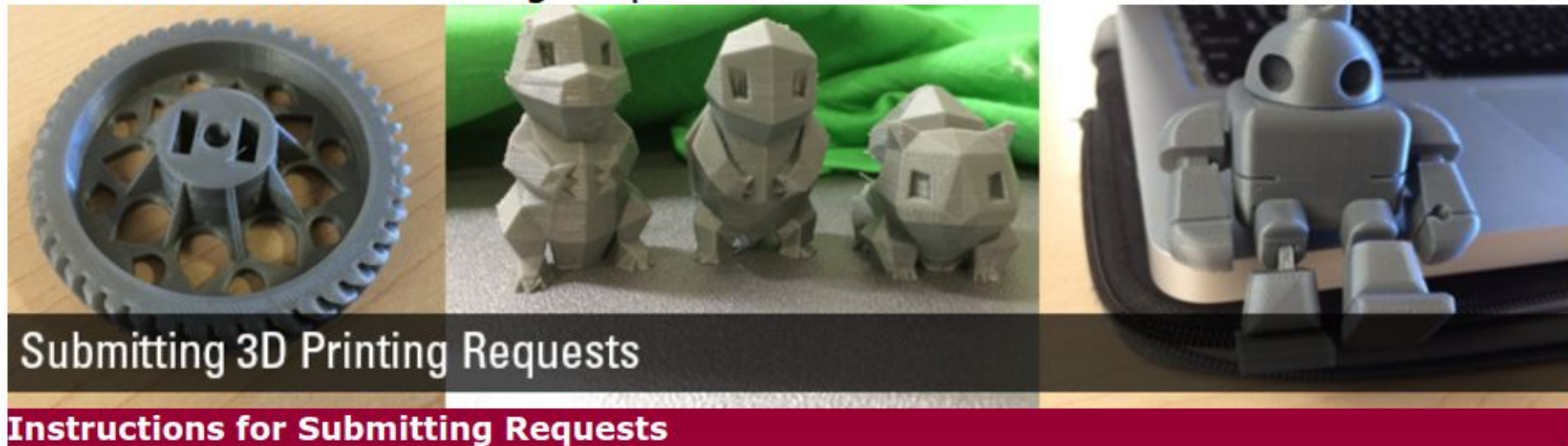
default
cold start



default
tight coil

ATOMIC

Instructions for Submitting Requests



1. Create your own 3D design (the LNMC has Blender installed on all computers or use your favourite 3D software). If you don't know how to create a 3D object, you can select an object from a free open source website such as [Thingiverse](#) or [YouMagine](#). **Make sure to save or choose the .STL file format.**
2. Use the Cura software (found on all LNMC computers or [download the free software to your own computer](#)) to scale, rotate, and/or resize your file. Cura will give an estimated length of time to print the object. Print size

Service

Thank you.

Lewis & Ruth
Sherman Centre
for Digital Scholarship

scds.ca

