



# Idea Forge

UNIVERSITY OF COLORADO **BOULDER**

[www.colorado.edu/ideaforge](http://www.colorado.edu/ideaforge)

### What is it?

The Idea Forge is a cross-disciplinary design space meant to support learning inside and outside the classroom.

### Who is welcome?

The space is for College of Engineering and Applied Science students and other students working with them. The Idea Forge also has strategic collaborations with specific programs that foster a cross-disciplinary space. These include groups like VEX Robotics, Surya Conversions, the CU Fashion Club, iLaunch and Catalyze CU.

### Who works there?

The staff of the Idea Forge are engineers and educators who work very hard to provide students the opportunity to make their designs a reality. There are also various student staff members who work at the reception desk.

Daria Kotys-Schwartz	Director	130F	daria.kotys@colorado.edu
Rebecca (Becky) Komarek	Assistant Director	130B	rebecca.komarek@colorado.edu
Greg Potts	Machine Shop Manager	30	greg.potts@colorado.edu
Lauren Wheeler	Finance and Project Coordinator	130H	lauren.wheeler@colorado.edu
Patrick Maguire	Electronic and Fabrication Engineer	92	patrick.maguire@colorado.edu
Josh Colyer	Makerspace Engineer	178B	joshua.colyer@colorado.edu
Shirley Chessman	ME Lab Engineer	273	shirley.chessman@colorado.edu

### What facilities does it have?

The Idea Forge has a variety of spaces both for project work and team meetings. Many of the spaces are available for drop-in use and a few require a room reservation. **Take a tour** on Tuesdays or Wednesdays at 5 pm at the student reception desk at the lowest level east entrance. If you use a space, **please clean up after yourself!**

Shop Space	Where (Fleming)	What	Who	How
Chevron Senior Design Studio	274	Project build space reserved for ME Sr. Design; includes tool checkout office	Shirley Chessman	Discuss any non- ME senior design usage with Shirley
Drop-in Design Lab (DIDL)	178A	Project build space open to all, but MCEN classes get priority	Shirley Chessman	Drop in, talk with Shirley to reserve for large groups
Electronics Lab	29	Electronics, oscilloscopes, soldering, build projects, class projects get priority	Pat Maguire	Drop in, talk with Pat
Finishing Room	23	Well-ventilated room for painting, grinding etc	Pat Maguire	Drop in, talk with Pat, clean up
Machine Shop	30	Mills, lathes, metal work, focused on class projects	Greg Potts	Drop in, talk with Greg – projects for class
Makerspace	178B	Woodworking, sewing, class projects get priority	Josh Colyer	Drop in, talk with Josh
Mechanical Lab Office	273	Various mechanical equipment and hardware for check-out or use	Shirley Chessman	Drop in, talk with Shirley or student employees

Pretotyping Room	72	Low level prototyping: cardboard, glue, foam	Pat Maguire	Drop in and use
Rapid Prototyping Room	25	3-D printers (getting set up), 3-D scanner, vacuum form table	Pat Maguire	Drop in, talk with Pat
Welding Shop	30B	MIG welders (5), TIG welder (1); build projects, class projects get priority	Greg Potts/Pat Maguire	Drop in, talk with Greg; take a workshop

Meeting Space	Where (Fleming)	What	Who	How
Commons	130	Project build space, design, group meetings, events, study	Becky, Lauren, or Shirley	Drop in, reserve for events with Becky or Lauren
Project-based Learning Classroom	33	Classroom and event space, seats 60	Becky Komarek	Reserve by contacting Becky
MESAB Teleconference Room	178	Video conference capability, reserve for meetings, seats 14	Becky, Lauren or Shirley	Check schedule online, reserve with Becky, Lauren, or Shirley
Think Tank	234	Glass conference room, seats 8	Becky, Lauren or Shirley	Check schedule online, reserve with Becky, Lauren, or Shirley
Study room 1	184 (inside DIDL)	Study room with monitor for presentations, seats 8	Shirley Chessman	Sign up for your time on the door if available
Study room 2	183 (inside DIDL)	Study room, no projection ability, seats 6	Shirley Chessman	Sign up for your time on the door if available
Area 51	51	Conference room, no projection ability, seats 6	Becky or Lauren (pickup key)	Check schedule online, reserve with Becky, Lauren, or Shirley

### When is it open?

The Idea Forge hours and hours for the individual spaces are listed on the website. The hours will change on holidays and when class is not in session.

Typical hours:

Commons: 8am-10pm M-Th and 8am-5pm F

Electronics Lab and hallway: 9:30am-5pm M-F

Machine Shop: 10am-6pm M-Th, 10am-5pm F

Makerspace: 1-5pm M, 10am-12pm and 1-5pm Tu-F

Mechanical Lab Office: 9-6 M-Th, 9-5 F

Welding Shop: 8am-5pm M-F

### Workshops

A variety of workshops are offered in electronics and micro-controllers, sewing, welding, and woodworking. See the website ([www.colorado.edu/ideaforge/workshops](http://www.colorado.edu/ideaforge/workshops)) for details.