

SDP22

Lecture 5

4 October 2021

Guest Alumnus & Purchasing
Homework & PDR Feedback



Ivan Bercovich

Partner @ ScOp Venture Capital

ScOp Venture Capital

Santa Barbara, California, United States



Wouter Schievink
SDP Technician

- Founder and Administrator
Rust Temple Makerspace
- Adjunct Professor
Hampshire College,
- Lead Electronics Repair Technician
Mill River Music
- Software Engineer
Fiksu/MeedMobile

A wide-angle photograph of the UMass Amherst campus. In the foreground, a large green lawn is partially covered by a dark red banner. A paved walkway curves across the lawn. In the middle ground, there are several brick buildings, including a large multi-story building with a prominent entrance. In the background, a tall, modern, light-colored building stands against a blue sky with scattered white clouds. The overall scene is bright and clear.

UMass Amherst

College of
Engineering

UMass Tech Challenge

Sundar Krishnamurty, MIE Department Head

Ronnie & Eugene Isenberg Distinguished Professor in
Engineering

THE TECH CHALLENGE

NEW THIS YEAR

An invention and technology-based competition open to all UMass students. With the chance to win up to \$15,000.

COMPETITION

DATE

Nov 3rd, 2021

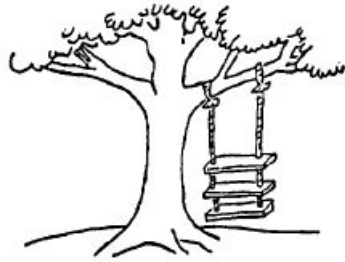
APPLICATIONS

***Oct 1st - 20th, 2021
at 11:59 PM EST***

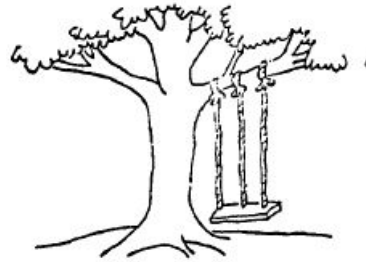


APPLY HERE

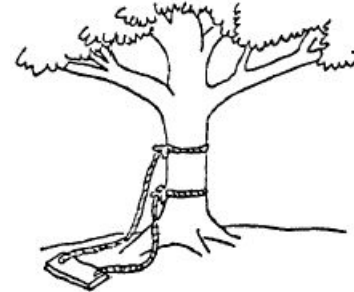
Engineering Design – Invention to Innovation



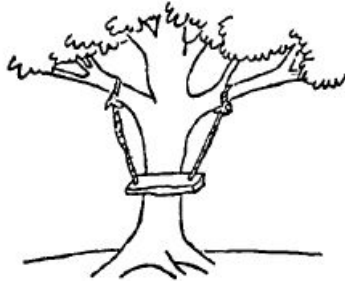
As proposed by the project sponsor



As specified in the project request



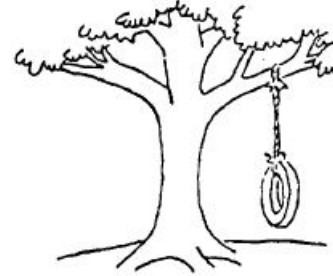
t As designed by the senior designer



As produced by manufacturing



As installed at the user's site



What the user wanted

UMass Tech Challenge

- New this year: the Tech Challenge is an invention and technology-based competition open to all UMass students and graduates of the last decade (GOLD alums).
- ◆ Ideators will present their technology/invention-based idea or prototype to a panel of esteemed judges for feedback and compete for a **prize pool of \$15,000**.
 - ◆ No business model canvas or executive summary required. Are you up to the challenge?
 - ◆ **Competition Date:** All Day; Online | November 3, 2021
 - ◆ **Application Deadline:** October 20, 2021 at 11:59 PM EST

APPLY: <https://bit.ly/TechChallengeApplication>
Questions? Email cforcade@umass.edu

UMass**Amherst**

Berthiaume Center
for Entrepreneurship

Berthiaume Center for Entrepreneurship

→ Innovation & Entrepreneurship Academy (*Fall*)

- ◆ The Minute Pitch: 60-second pitches made in front of audiences, \$2,500 distributed to the winning teams (Oct. 6)
- ◆ The Executive Pitch: Boardroom pitch sessions that include Q+A with judges, \$15,000 awarded by the judges (Nov. 1)
- ◆ **The Tech Challenge: Technology Invention-based competition, evaluated by judges, \$15,000 awarded by the judges (Nov. 3)**
- ◆ The Social Entrepreneurship Challenge: A social impact competition evaluated by judges (Nov. 5)
- ◆ *The Business Plan Competition: Our no-pitch event; online submissions evaluated by judges (starting Fall 2022).*

Berthiaume Center for Entrepreneurship

→ Innovation Challenge: The Competition (*Spring*)

- ◆ An elevated competition with participants from the Innovation and Entrepreneurship Academy and other UMass start-ups that apply to compete in a preliminary round for a coveted spot in the final round of the Innovation Challenge. Winners are awarded larger amounts of equity-free funding
- ◆ \$65,000 of equity-free funding awarded

THE TECH CHALLENGE

NEW THIS YEAR

An invention and technology-based competition open to all UMass students. With the chance to win up to \$15,000.

COMPETITION

DATE

Nov 3rd, 2021

APPLICATIONS

***Oct 1st - 20th, 2021
at 11:59 PM EST***



APPLY HERE



UMass Amherst Electrical and Computer Engineering Alumni & Friends

 Listed group

MDR

MDR

29 Nov – 3 Dec

56 days

- A convincing demonstration of the critical aspects of the integrated system
- MDR Deliverables achieved

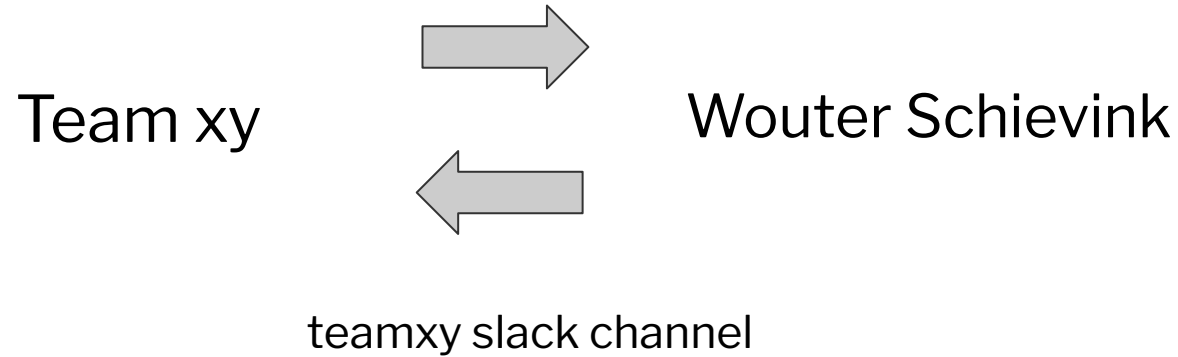
Check-In 3

18 Oct - 22 Oct

Agenda

- Purchasing Homework
- PDR feedback from course coordinators

Purchasing



Purchasing Homework

- Make first purchase: Due, Friday, 8 Oct 2021
- Review the list of approved vendors (next slide)
- Create your cart on the approved vendor website
- Use shared cart feature
- Share the cart with @Wouter Schievink in team slack channel
- Wouter Schievink will share confirmation/tracking numbers and let you know when items are ready for pickup in Marcus 201

Approved Vendors

Electronics

- Adafruit <https://www.adafruit.com/>
- Allied Electronics <https://www.alliedelec.com/>
- Digi-Key <https://www.digikey.com/>
- DFRobot <https://www.dfrobot.com/>
- HobbyKing <https://hobbyking.com/>
- Jameco Electronics <https://www.jameco.com/>
- Marlin P. Jones & Assoc. Inc. (MPJA)
<https://www.mpja.com/>
- Mouser <https://www.mouser.com>
- Newark Electronics <https://www.newark.com/>
- Pololu Robotics & Electronics
<https://www.pololu.com/>
- RobotShop <https://www.robotshop.com/>
- ServoCity <https://www.servocity.com/>
- Sparkfun <https://www.sparkfun.com/>
- Technological Arts
<https://www.technologicalarts.ca/shop/>

Video Gear/Cameras/SD Cards/Cables/Accessories

- B&H Photo
<https://www.bhphotovideo.com/>
- Monoprice <https://www.monoprice.com/>

Mechanical

- Grainger Industrial Supply
<https://www.grainger.com/>
- McMaster Carr <https://www.mcmaster.com/>

General

- Amazon <https://www.amazon.com/>
COWLS Building Supply
<https://cowsbuildingsupply.com/>
- Home Depot <https://www.homedepot.com/>

PDR Feedback

Course Coordinators review PDR slides/evaluations

Provide feedback 12 Oct 2021

Part of Check-In 3 discussion