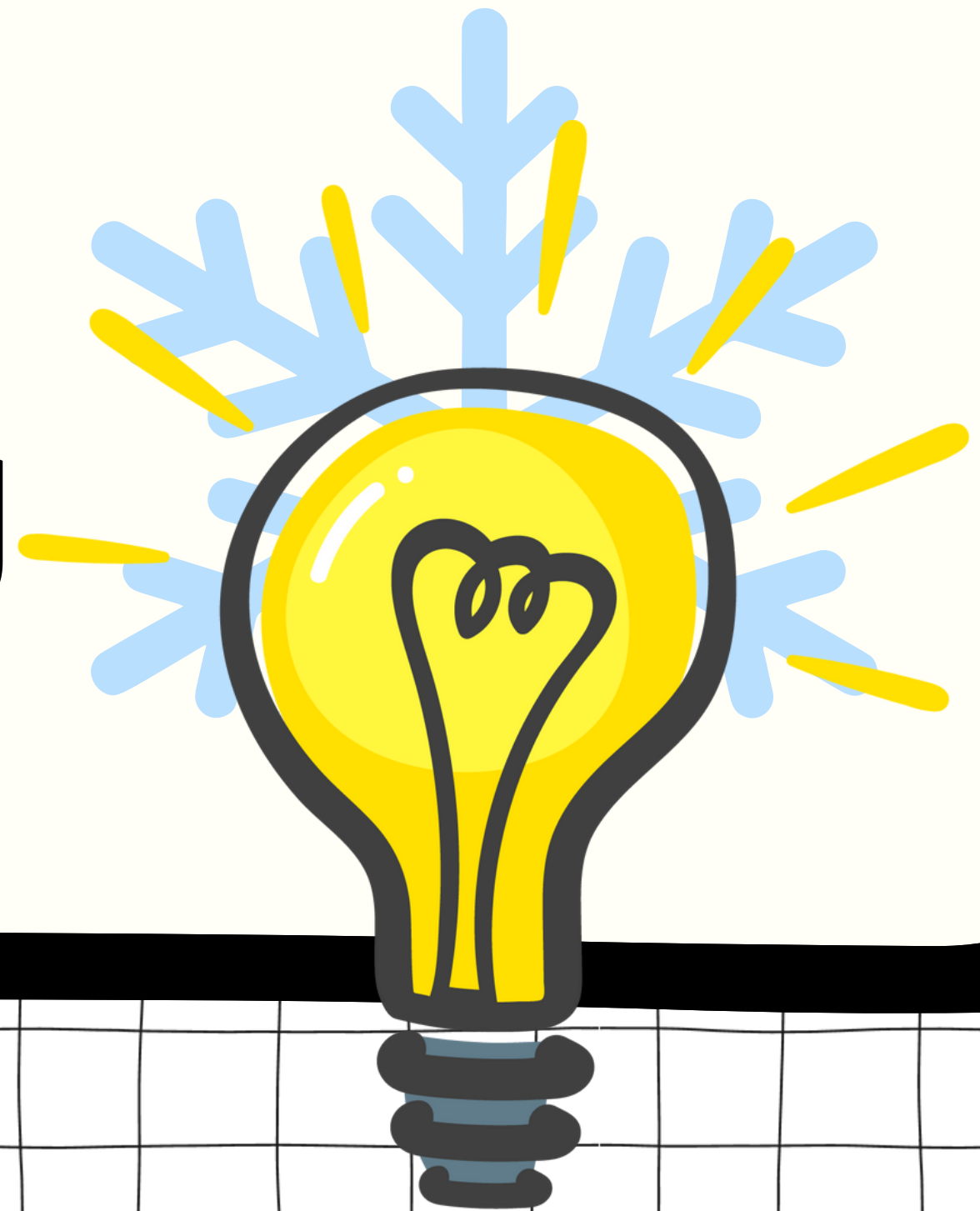


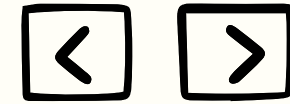


Society of Manufacturing Engineers

Spring General Meeting



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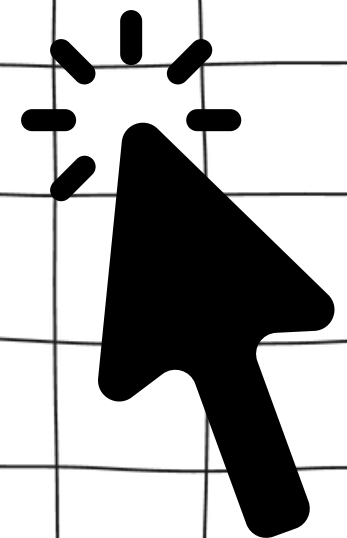
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Stay Connected



A hand-drawn window frame with a grid background. The window has a title bar with three icons: a minus sign, a square, and an 'X'. The text inside the window is centered. There are yellow decorative shapes on the left and right sides, and a blue squiggle at the bottom right.

Introduction

We are the Society of Manufacturing Engineers (SME), a student chapter U231 at University of California Davis.

Our mission is to connect and make manufacturing more accessible to students in UC Davis! With hands on events and guest speakers we hope to expand and explore interests in manufacturing.

The team



Michelle Huo
Secretary



Alana Nakafuji
President



Carlee Sanner
Vice President



Sanjana Gudi
CFO (Treasurer)

The team



Nicholas Braga
Industry Coordinator



Charuthi Arul
Industry Coordinator



Lily Rueckert
Website Designer



Keya Zambre
Graphic Designer

Advisors



Dr. Barbara Linke
Faculty Advisor



Man Yu
Graduate Advisor

Past Events

SOCIETY OF
MANUFACTURING
ENGINEERS PRESENTS:

INDUSTRIAL TALK

with: 

FRI DEC 1, 2023
2-3 PM
KEMPER 1003

Society of Manufacturing Engineers Presents:

Industry Tour at: **RESONETICS**

Friday November 17, 2023




At UCDAVIS

SOCIETY OF MANUFACTURING ENGINEERS

Networking with:

BLUE ORIGIN

- Meet representatives from Blue Origin (Recruiters and UC Davis Alumni)

Past Events

SOCIETY OF MANUFACTURING ENGINEERS PRESENTS

LUNCH WITH:

LAWRENCE LIVERMORE NATIONAL LABORATORY

FOOD WILL BE PROVIDED!

TUE FEB 27TH, 2024
12 - 1:30 PM
KEMPER 1131

Society of Manufacturing Engineers presents:

CAD Workshops

for SANDIA Design Competition

chassis & shell
Mon Feb 26th, 2024
6:30 - 8 PM
Kemper 1131

axel & wheels
Wed Feb 7th, 2024
6 - 7:30 PM
Kemper 1131

Workshops are open to everyone, even if you are not planning to compete in the competition!



sme
At UCDAVIS

SME x AIChE present:

Painting Social

Wednesday February 21st
6 - 8 PM
Bainer Hall 2061

How to be a member



Sign up for our email list and register on Aggie Life



Attend at least 1 Event per Quarter

OR/AND



Participate in our design competitions (Starts Winter Quarter)

Upcoming Events

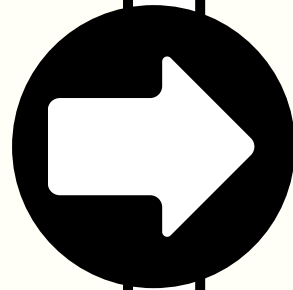
What to expect:

4/26 Livermore Labs Tour

WK 5,7 Industry Talks
Time and Location: TBD

WK 4,6,7,8 Sandia Focused: Potential
Printing Days/ Mentor
Talks / Check ins

5/31 Sandia Showcase



**Sandia
Design
Competition**

**Study
Nights**

**3D/Maker
Workshops**

**Industry
Talks**

Design Competition



SME at UC Davis x Sandia Annual Design Competition



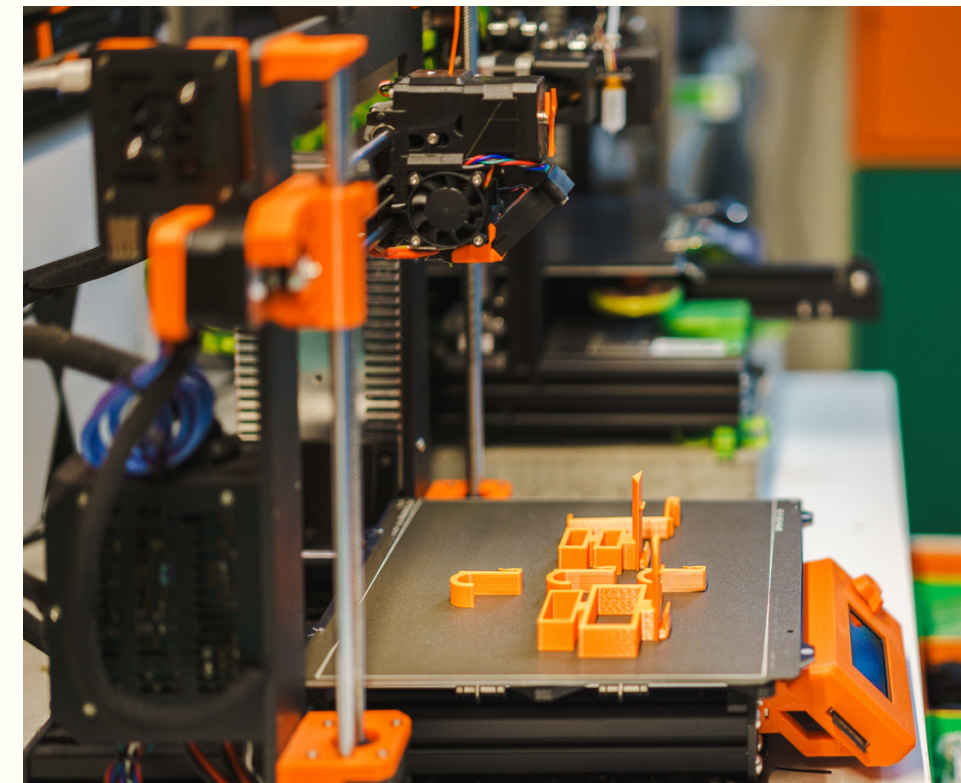
- Starts Winter Quarter
- Partnership with Sandia National Labs
- Engineering Solutions to a problem statement
- Any club member can participate (team based project)
- Club meeting workshops with presentation in Spring

About Competition

Competition Goal: Emphasize limitations of additive manufacturing and to encourage students to think about how they can overcome these manufacturing challenges to improve process efficiency and take advantage of 3D printer technology.

What you gain from Joining:

- Access to SME 3D printing workshops
- Club provided materials for the ESDC :
 - **Email us for the Link!! (only for teams)**
- Practice and Projects for your portfolios/jobs





Competition Eligibility



This competition is open to any UC Davis students (graduate and undergraduate) interested in additive manufacturing. Students must be registered SME members at UC Davis. In order to be a registered SME member students must **1) join our email list** and **2) register on Aggie Life**.

Recommended team size 4 students.

Minimum team: 3 students

Maximum team: 5 students

Interest Form →



Aggie Life Email list





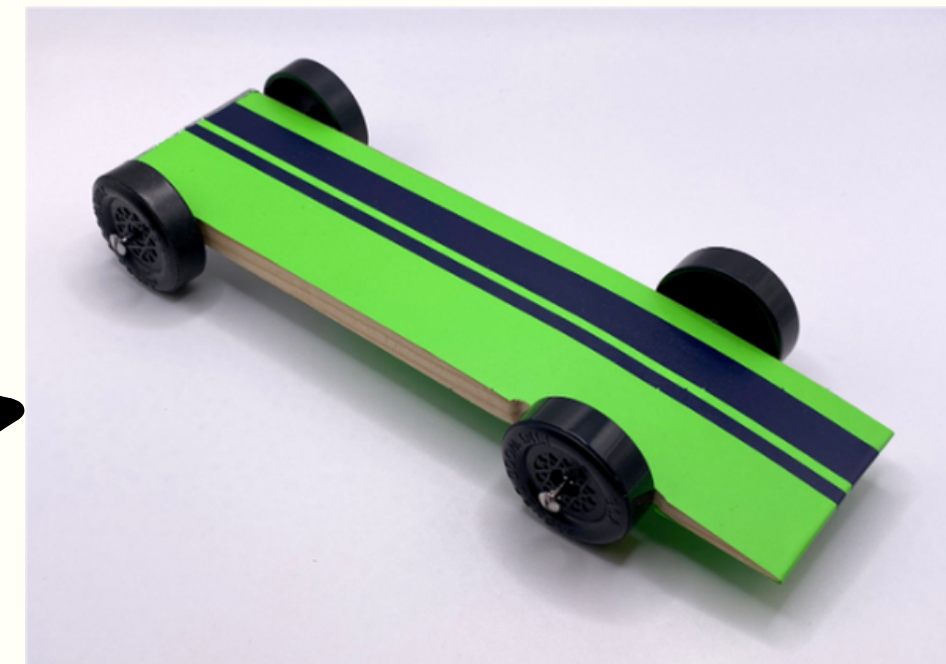
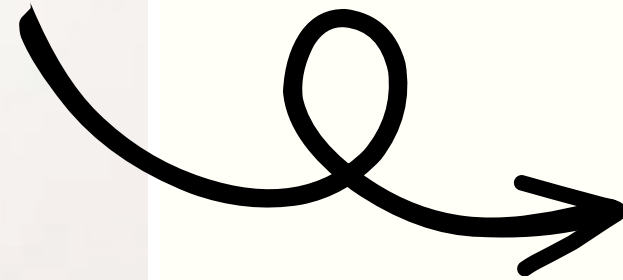
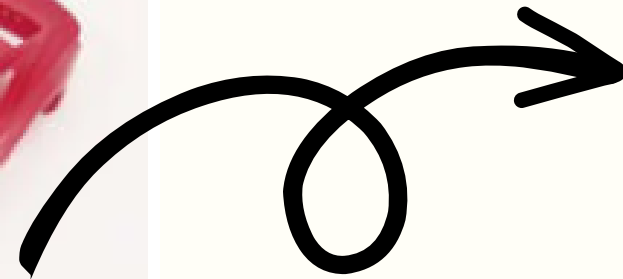
Competition Prompt



- Create a **"flat pack" snap-out** (similar to those that come in model kits) design that can be **manufactured in a vertical orientation** to allow for multiple flat packs to be 3D printed at once.
 - The piece parts of a single snap pack will be used to assemble a toy car with wheels that can spin freely.
- "Stretch Goal" – Analyze how thermal stresses during the manufacturing process may deform the part to be out of geometrical tolerance.
- Students will also be asked to construct a **short oral presentation** with slides. This will be used to describe your engineering design process

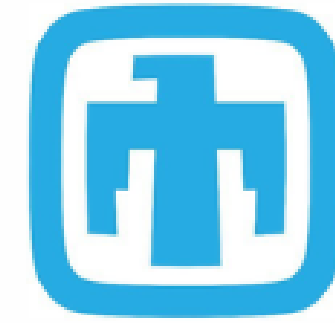


Competition Prompt





SME x Sandia Competition Timeline



2023-24	Winter Quarter			Spring Quarter				
	Week 5-6	Week 7	Wk 8-10	Wk 1-2	Wk 3-4	Wk 5-6	Wk 7-8	Wk 9: 5/31
Interest (Build Teams, CAD)	█							
Register for Comp/Team		█						
Design / Development			█					
Mentor Meetings (with Sandia Engineers)					█			
Presentation								🚗
Documentation					█			

Winter Quarter: Dedicated to building your teams, understanding the prompt, learning/refining CAD, ideating, and showing your interest in the Competition. You **DO NOT** have to commit at this point but the teams are being registered and formed for those who do not have a team. If you would like to join a team please register via **Interest Form**.

Spring: Competition kickoff where you must **REGISTER**. Ideation and Design will shift to prototyping/development. This is the quarter where we will be 3D printing, testing, iterating designs, etc. Mentor meetings where you will meet your Sandia mentors will be hosted between Weeks 3-6. You will be working outside of club meetings with your group for the Presentation to Sandia Engineers on May 31, 2024. Document your design process with photos for a short oral presentation.

Ice Breakers

- Turn to your neighbors
- Introduce your:
 - Name
 - Major
 - Year
 - Where you are from



Fun Fact about yourself



Plans for the summer?

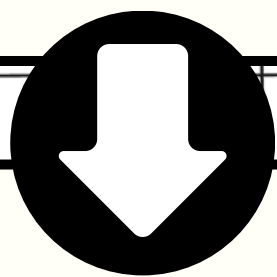


If you could only own 1 car for the rest of your life what car would it be?



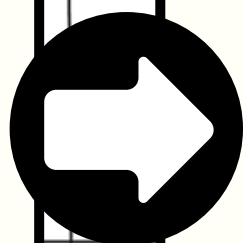
What Industry are you most interested in?

Stay Updated



Linktree:

- 1) Register to be a member on AggieLife
- 2) Join Email list for Event Announcements
- 3) Follow our socials



Linktree



Website: <https://sme.ucdavis.edu/>
Contact: smeatucdavis@gmail.com

Email List



@smeatucdavis



Discord