



# THE CATALYST



## Updates

The last general meetings this semester offer very unique learning opportunities. On November 3rd, **Dr. Sentmanat** will be talking about his work experience and his advice for chemical engineers in graduate school. Our last two general AICHE meetings for the semester are hosted by **Eastman Chemical Company** on November 17th and **Shell** on December 1st. Our AICHE general meetings are a great way to learn more about a company and interact with company representatives directly. To buy or renew your membership, please visit our website's Membership Information page.

**AICHE Student Nationals Conference** is a great way to feel connected to chemical engineers all over the country. This year, Texas A&M students will be traveling to Boston, Massachusetts from November 5th to 8th to participate.

Our first volunteer opportunity this month is a **Senior Care Event** at the Waterford on November 13th. Come join us in doing various crafts with the residents. On December 2nd, we also have a volunteer event at the **Brazos Valley Food Bank**, and on December 3rd there will be a **Toy Drive** drop off in the JEB Lobby.

Some of our final social events this semester consist of a **Bowling Social with SWE** on November 12th and **Friendsgiving Dip Night** on November 18th. Come meet other engineers while showcasing your bowling skills. At our dip night, there will be both sweet and savory dips to enjoy.

## Upcoming Events

### General Meeting

November 3 7:30 pm  
Dr. Sentmanat  
JEB 106

### Student Nationals Conference

November 5-8 Boston, MA

### Bowling Social w/ SWE

November 12 7:00pm-9:00pm  
Grand Station

### Senior Care Event

November 13 9:00am-12:00pm  
Waterford

### Ole Miss Watch Party

November 13 TBD

### General Meeting

November 17 7:30 pm  
Eastman Chemical  
JEB 106

### Friendsgiving Dip Night

November 18 7:30 pm  
JEB Patio

### General Meeting

December 1 7:30 pm  
Shell  
JEB 106

### Food Bank Volunteering

December 2 10:00am-12:00pm  
Brazos Valley Food Bank

### Toy Drive

December 3 All day  
JEB Lobby drop off

### Mentorship Ice Skating

December TBD  
Spirit Ice Skating

## NEW OFFICER SPOTLIGHTS



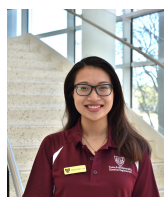
Written by Stefano Micci-Barreca

**Jayden Valencia** is one of this year's freshman representatives. From Pasadena, Texas, Jayden is pumped for the opportunities that he will acquire here at A&M and has felt welcomed in his first leadership position in AIChE. Looking to make a big impact on the world, he looks to contribute in refinement or production. Most importantly, his main goal is to provide a stress free and comfortable life for his family.



Written by Nathan Stara

Please welcome **Bruk Mesfin** as one of the new Freshman Representatives! Originally from Houston, Bruk was motivated by his high school chemistry teacher to pursue chemical engineering and its large variety of industries. He looks forward to working with Jayden to organize study groups, planing freshman socials, and overall getting more freshman involved in AIChE. While studying, he likes to study in the annex or in his dorm. Outside of school, he enjoys playing basketball, running, and playing games with friends.



Written by Jhanjaneth Perea

**Doan Nguyen**, starting off as a member of the Chem-E-car project, has been an active member of AIChE since her freshman year! Now taking on the position of project chair for the Chem-E-Car project, she's very excited to start a new team and really looks forward to seeing her team members grow both professionally and socially. As a chemical engineer she is driven to provide solutions to people, which is why she seeks to work in either product development or technical sales, where she will have a direct contribution to customers.

## SAND VOLLEYBALL INTRAMURAL

Written by Maddie Beck



In the past few weeks, our Co-Ed Sand Volleyball Intramural team has fought their way through some tough games in the regular season. During the playoffs, they worked together to overcome each team that stood in their way. They were able to go to the second round of playoffs when their season sadly ended.

However, they will be able to continue their season in Co-Ed 6x6 Indoor Volleyball Intramurals. Registration opens November 1, at 12 PM. If you are interest in playing, please reach out to our Society Representative, Alexis Lizarraga, at [societyrep.aichetamu@gmail.com](mailto:societyrep.aichetamu@gmail.com) or join the team on the TAMU intramural website.

## PROFESSOR SPOTLIGHT

Written by Sarah Al Taima



**Dr. Micah Green** is our professor spotlight of the month. After attending Texas Tech for undergrad, he completed his Ph.D. at MIT. He is currently researching nanomaterials heating via electromagnetic fields. For his research, he works with grad and undergrad students that are interested in nanomaterials applications.

One of their recent and more interesting findings of nanomaterial applications is the ability to utilize the particles as a gluing factor! For instance, if we 3D printed 2 parts, part A and part B, and we tried to connect those parts together without heating either part. What his team did is introduce nanomaterial particles between the parts with the addition of electromagnetic waves. This will cause the two parts to stick together, opening up endless possibilities to use this technology in many industries such as automotive and manufacturing!

## General Meeting and Event Sponsors



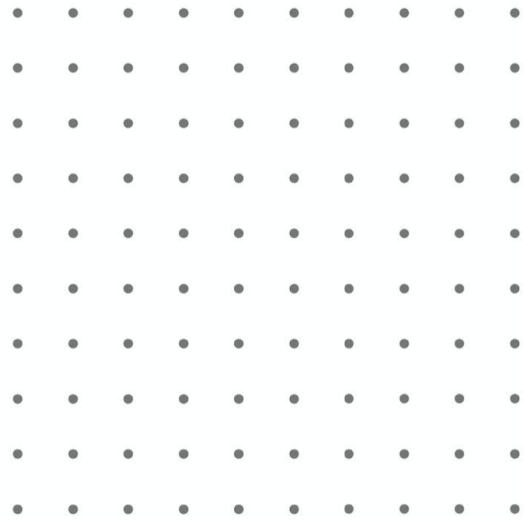
**EASTMAN**



# Sudoku

		5	3		4			6
							5	3
3			8			2		
6	7		2				4	
5		4	6		7			
2		9		5			3	7
			1	4		5		2
				9			6	1
7						8		

# Dots

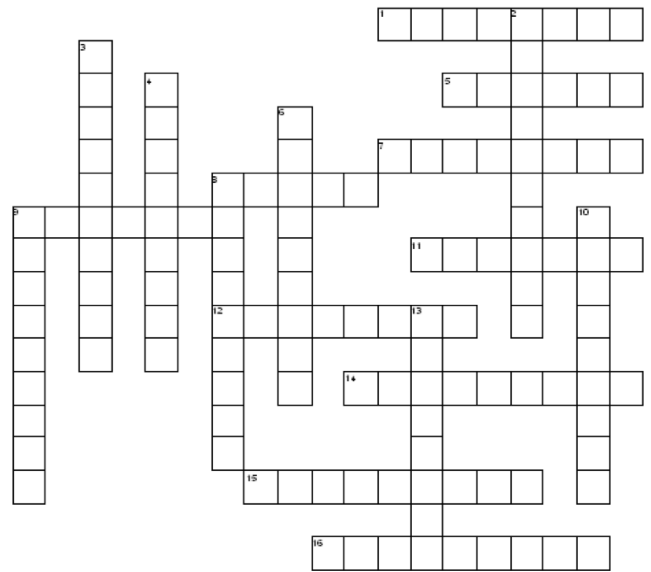


# Word Search

- |            |           |              |
|------------|-----------|--------------|
| America    | Freedom   | Pumpkin Pie  |
| Canoe      | Gratitude | Squash       |
| Cornucopia | Harvest   | Stuffing     |
| Fall       | Holiday   | Thanksgiving |
| Family     | Maize     | Turkey       |
| Feast      | November  | Yams         |

L L A F A T C W T M C R N H P V  
 R I E Y C U N G A O E E S S U X  
 P O T A I R U I L W W I N N M Z  
 I O S D R K Z O O W D A H H P J  
 L A N I E E N L O N T T A H K Y  
 G F A L M Y F R A I U R S E I L  
 R R I O A Y L T R O V A O H N I  
 I E D H A D S U M E U N L I P M  
 M E N M S S P Y S Q A A M G I A  
 S D I P E E L T S C E M O B E F  
 M O N L L P A I P O C U N R O C  
 E M I G N I V I G S K N A H T Q  
 E M S H R E B M E V O N Y A M S  
 A D N A L G N E M D N C D F W E  
 R W V E D U T I T A R G T Y K E  
 R E G N I F F U T S P T S A E F

# Cross Word



### ACROSS

- A piece of winter clothing that keeps children warm and dry as they play in the snow.
- It \_\_\_\_\_ last night.
- A rounded handful of snow that may be thrown.
- The adjective form of snow (as in "Stopping by the Woods on a \_\_\_\_\_ Evening")
- A person made of snow.
- Look outside! It's \_\_\_\_\_.
- The absence of snow. ("It's been a \_\_\_\_\_ winter.")
- A flat object that people use to travel in surf-like position down hills of snow.

15. A single piece of snow.

16. A type of winter storm.

### DOWN

- A tool people use to remove snow from sidewalks.
- A vehicle that may be driven across snow.
- A machine that creates artificial snow.
- Something people use to help them walk across snow.
- A landscape covered with snow.
- An avalanche of snow.
- A large bank of snow.
- A machine used to remove snow from roads.