

2024 ASCE Mid-America Student Symposium Hosted by Missouri University of Science and Technology and Missouri State University April 18-20, 2024

March 19, 2024

Dear ASCE Student Chapter of the Mid-America Student Conference:

This is your **2024 ASCE Mid-America Student Symposium Mailer III**, the *last* of three packets to be sent to each of the participating ASCE Student Chapters in our Student Conference. In addition, you can find information on the schedule, competitions, hotel bookings, registration, and location addresses on our student symposium website: https://studentsymposium.asce.org/mid-america/

Please carefully read through this packet and forward copies to the appropriate members in your student chapter (team captains, individual team members, etc.). Do not delete this mailer as the information given within may not be in earlier mailers. Enclosed you will find the following information:

- Receipt confirmation & registration reminders
- Safety-first culture information,
- Maps, directions, and parking information,
- Non-competition event information,
- Presentation technology and social network information.
- Final deadlines,
- Final student symposium schedule,
- Final presentation schedules,
- Steel Bridge Competition Details,
- ASCE Pop-up Leadership Workshops information,
- ASCE competition eligibility requirements,
- Business Meeting information.
- Student Symposium Paper Competition information, and
- Sponsor recognition.

Receipt of this mailer should be confirmed by March 29, 2024. Please note the individual registration deadline has passed.

If you have any questions, feel free to contact us at the e-mail address: gac8cx@mst.edu.

We look forward to welcoming your student chapter to the 2024 ASCE Mid-America Student Symposium!

Sincerely,

Garrett Coggin
Co-Lead, 2024 Mid-America Student Symposium
Missouri University of Science and Technology

Kyle Bryan
Co-Lead, 2024 Mid-America Student Symposium
Missouri University of Science and Technology



STEP 1 - Mailer 3 Receipt Confirmation- required

Email to: kabng6@mst.edu by March 29, 2024.

Please include the following information in your email:

Student Chapter Name:

School Name:

Faculty Advisor's Name:

Faculty Advisor's Phone Number:

Faculty Advisor's Email Address:

Student Contact's (i.e., Chapter President or designate) Name:

Student Contact's Phone Number:

Student Contact's Email Address:

REGISTRATION REMINDERS

STEP 2 - Individual Registration Form - required of all attendees!

Individual Registration Form was due on February 16th. If you have not submitted this form, please do so ASAP.

Please visit our symposium website at https://studentsymposium.asce.org/mid-america/ and complete the Individual Registration Form

The Individual Registration Form must be filled out by ALL individuals attending the symposium including chapter members, team competitors, chapter spectators, guest teams, faculty advisors, volunteers, judges, and ASCE Region Leadership. The Individual Registration Form contains liability waiver information that must be reviewed and acknowledged by every individual attending, participating, and/or spectating at the symposium.

STEP 3 - Individual Registration Payment - required

Individual Registration is \$30 per person. Registration form and payment were due by February 16th. If you or your chapter have not submitted the registration payment, please do so ASAP.

Make check payable to "S&T Student Design Center" Attn: ASCE S&T Student Symposium S&T Student Design Center 1051 N. Bishop Ave. 116 Kumer Stu. Design Ctr. Rolla, MO 65401



Safety-First Culture Information

This year ASCE, Missouri S&T, and Missouri State University are encouraging a Safety-First Culture during the symposium. We encourage all symposium participants to embrace this concept by thinking about safety in their activities coming to, returning from, and while at our symposium. We want **every** symposium participant to return home safe and healthy.

To generate a Safety-First Culture, we have designated University Police Chief Doug Roberts as our symposium safety officer. Further, be on the lookout for safety information at the symposium, such as the location of first-aid supplies, who in the crowd have first-aid training and Safety Moments.

What is a Safety Moment? A Safety Moment consists of a quick discussion on an activity-specific, site-specific, or general safety topic. The Safety Moment may be presented by the leader of an activity, the symposium safety officer, or a member of the host symposium planning team. We ask that all participants give their undivided attention to the Safety Moment discussion and embrace the safety-first concept.

If an injury does occur during the symposium, it should be reported to the competition head judge, symposium safety officer, or activity leader immediately so that appropriate action can be taken based on the injury. If it is a true emergency, please call 911 first.

Contact information for the symposium safety officer and key host school representatives is listed below. Please keep this list close during the symposium and we encourage you to program the symposium safety officer's phone number into your cell phone.

<u>Symposium Safety Officer</u> Chief Doug Roberts – 573-202-3689

<u>Host School Faculty Advisor</u> Joel Burken – 573-341-9106

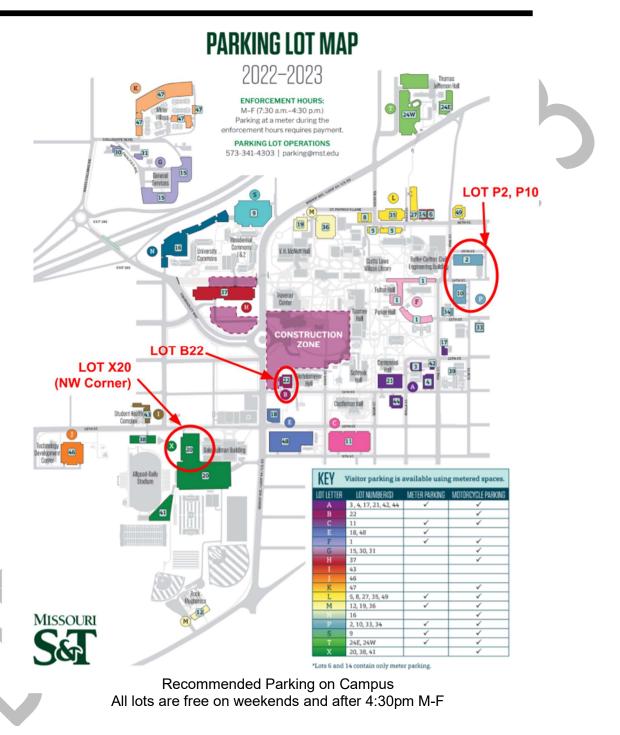
In the spirit of a Safety Moment, here are some safe driving habits to keep in mind as you travel to the student symposium:

- Driving at the speed limit has proven to save lives.
- Do not drive when tired. Swap drivers often.
- Minimum of two people awake at all times when wheels are rolling.
- Be aware of how larger/heavier vehicles behave when stopping or turning.
- Be aware of your surroundings when backing any vehicle, especially trailers. Better yet, avoid backing up at all, if possible.
- Use a spotter to watch when you must back up a vehicle.
- Slow down when the conditions warrant (rain, snow, darkness, pedestrians nearby).
- Perform a circle of safety around your vehicle to identify what is in your blind spots.

We hope **everyone** has a fun, healthy, and safe time at the 2024 ASCE Mid-America Student Symposium.



Maps, Directions and Parking

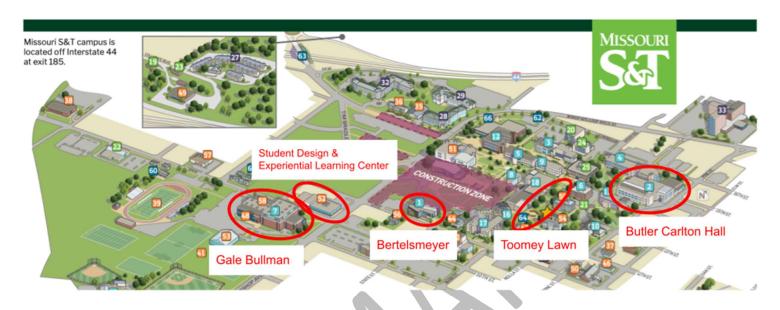


Events at Butler Carlton Hall – Lot P2, Lot P10 Anything at Bertelsmeyer Hall – Lot B22

Events at Gale Bullman Rec. Center – NW Corner of Lot X20 (this lot will be free all day on Thursday, Friday, and Saturday)



Maps, Directions and Parking



Campus Map

Butler Carlton Hall: 1401 N Pine St, Rolla, MO 65409 Bertelsmeyer Hall: 1101 N State St, Rolla, MO 65409

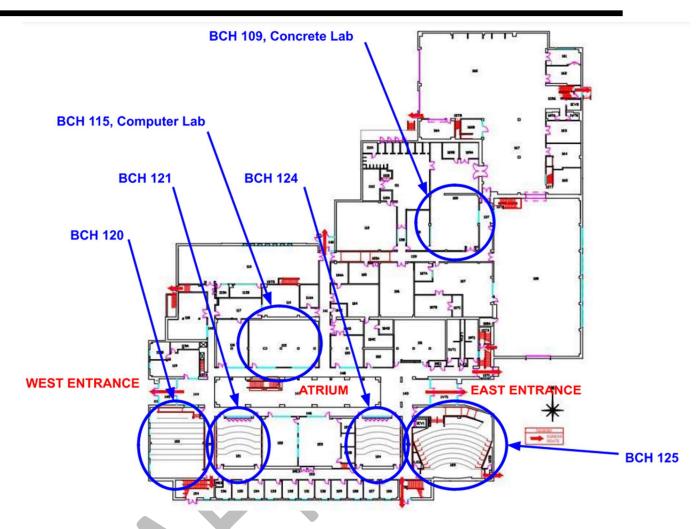
Gale Bullman Multi-Purpose Building: 705 W 10th St, Rolla, MO 65401

Student Design and Experiential Learning Center: 1051 N. Bishop Ave, Rolla, MO 65409





Maps, Directions and Parking



Butler Carlton Hall (BCH) (First Floor)

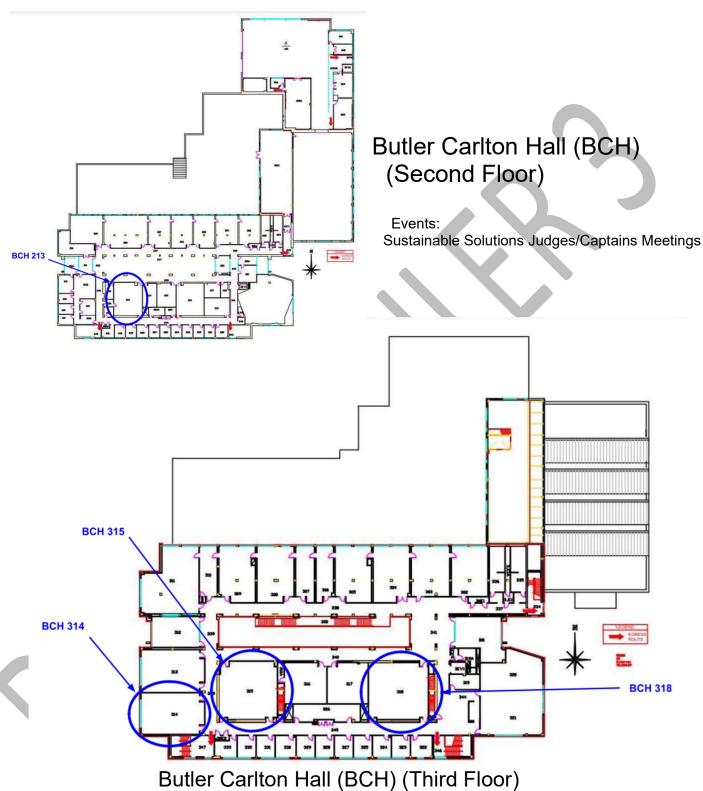
Lawn is outside the West Entrance

Events:

Business Meeting
Thursday Dinner
FE Quiz Bowl

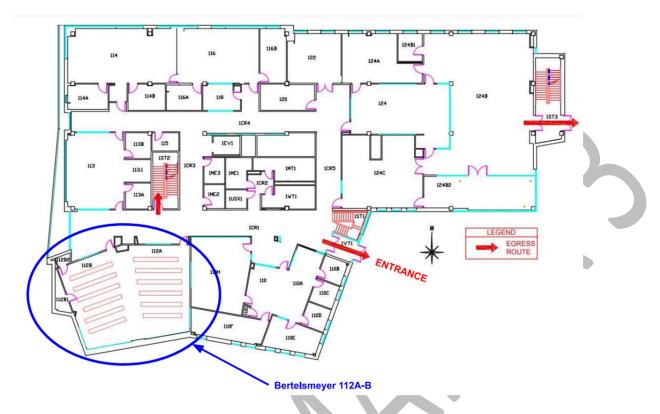
1st and 2nd Year Design Challenge
Concrete Bowling
Concrete Canoe Judges/Captains Meetings
Concrete Canoe Presentations
Transportation Design
Steel Bridge Judges/Captains Meetings
ASCE Pop-Up Leadership Workshop #1
Sustainable Solutions Poster Session #1
Symposium Paper Presentations





Events: 3D-Printed Bridge Judges/Captains Meetings
Surveying Judges/Captains Meetings
3D-Printed Bridge Presentations



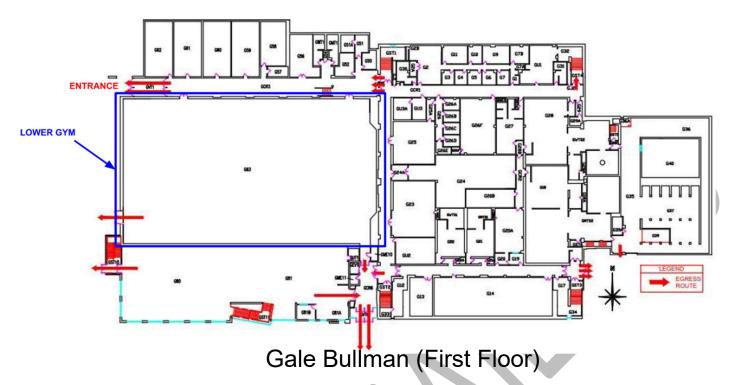


Bertelsmeyer (Bert.) Hall (First Floor)

Events:

ASCE Pop-Up Leadership Workshop #2 and #3
Sustainable Solutions Presentation





Events: Steel Bridge, Sustainable Solutions Poster Session #2, Banquet Dinner, Saturday Lunch



Gale Bullman Parking Lot (X20)

Trailers will be parked here except during the canoe races on Friday





Little Prairie Lake Location

(Little Prairie Lake Boat Ramp)



Location of Temporary

Trailer Parking

4000 Enterprise Dr, Rolla, MO

4000 Enterprise Dr, Rolla, MO (Canoe Trailer Parking on Race Day)





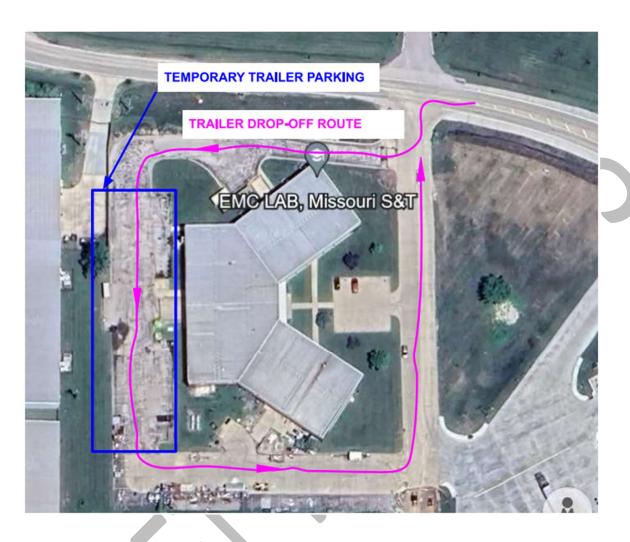
Little Prairie Lake Parking and Drop-Off

More in-depth Map will be provided at the welcome ceremony and captains meetings.

Events:

Concrete Canoe Displays and Races
Friday Lunch





Hy-Point Building (Temporary Trailer Parking During Races)

Trailers will be parked here after dropping canoes off at the lake.

Drivers will then be shuttled back to the lake.



Non-Competition Event Information

Registration: April 18, 2024, from 2:30pm-4:00pm at Missouri S&T Student Design Center

Park at Gale Bullman (Lot X20) Address: 1051 N. Bishop Ave. Rolla, MO 65401

Welcoming Ceremony: April 18, 2024, at 4:00pm. Gale Bullman Gym

Mini Career Fair Event: April 20, 2024, at 6:00pm. Gale Bullman Gym

ASCE Information Table: April 20, 2024, at 6:00pm. Stop by the table to learn more about ASCE. Gale Bullman

Gym

Banquet/Awards Ceremony: April 20, 2024, at 7:00pm. Gale Bullman Gym. Attire: Business Formal

See below for information about the Pop-Up Leadership Workshops and Business Meeting.





Presentation Technology and Social Network Information

3-D Printed Bridge: For teams competing in the 3-D Printed Bridge Competition: we will provide easels for the poster presentation. Dimensions: Can hold poster of ~ 3'W x 2.5'T

Concrete Canoe: For teams competing in the Concrete Canoe Competition: a computer and projector will be provided. Each competing team should bring a USB with the presentation loaded on it.

Surveying: For teams competing in the Surveying Competition: we will provide tables for the poster presentation. Each competing team should bring their poster and surveying equipment to complete each task. Additional note: All surveying teams will be provided lunch at the location of the competition. All other attendees will eat lunch at Little Prairie Lake

Sustainable Solutions: For teams competing in the Sustainable Solutions Competition: we will provide easels for the poster presentation. Dimensions: Can hold poster of ~ 3'W x 2.5'T

Symposium Paper: For teams competing in the Symposium Paper Competition: a computer and projector will be provided. Each competing team should bring a USB with the presentation loaded on it.

Transportation Design: Computers will be provided. Each competing team should bring a USB to load presentation on during competition.

WiFi Information: Name: MST-GUEST

Password: miner2020

Remind: Text @2024mida to 81010 to join our Remind to receive important text notifications throughout the symposium!



Final Deadlines

ASAP FE Quiz Bowl and 1st and 2nd year mystery design challenge team registration forms

ASAP Individual Registration

March 19th Mailer III (final) sent to each student chapter.

March 22 Sustainable Solutions technical design proposal

March 29th Mailer III Receipt Confirmation due from each student chapter

March 31st Final Date for Late Registrations (not guaranteed meals, banquet spot, or T-shirt.

Payment by check only)

April 11th Concrete Bowling Ball Design Submittal to kabng6@mst.edu

April 18th - 20th 2024 ASCE Mid-America Student Symposium

If your school is no longer participating in a competition, please contact gac8cx@mst.edu

ASAP.



Final Student Symposium Schedule

me		Thursday	
7:00	T	Thursday	
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3:00	Check in		
3:15	Student Design and Experiential		
3:30	Learning Center (SDELC)		
3:45			
4:00	Welcome Meeting		
4:15	Gale Bullman		
4:30	Break for moving		
4:45	Dreak for moving		
	Business Mostins		
5:00	Business Meeting Butler Carlton Hall 121		
5:15	Butter Cariton Hall 121		
5:30			
5:45	Break for moving		
6:00			Concrete Bowling Comp.
6:15			(Bowling)
6:30	Dinner		Butler Carlton Hall Lawn/Atric
6:45	Butler Carlton Hall Atrium/Lawn		Doctor Contoll Hall Cawlif Attit
7:00			CC 56 3 5 6
7:15			CC, SS, 3-D, Surveying Captain
7:30			Meeting Butler Carlto
7:45			Hall
8:00			CC - BCH 121
8:15	FE Quiz Bowl	1st and 2nd Year Design	SS - BCH 213
8:15	Butler Carlton Hall 125	Challenge	35 - BCH 213 3D - BCH 315
8:45	butter carrion nall 125	Butler Carlton Hall Atrium	201 - 1860WWW
			Surv BCH 314
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9:30		Surveying Competition Task 2 Schuman Park			
9:45		Schuman Park			
10:00 10:15					
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11:00		Surveying Competition Task 3			
11:15		Schuman Park			
11:30	Canoe Setup / Competition	Schullan Falk			
11:45	Little Prairie Lake				
12:00	Little Frame Lake				
12:15		Lunch			
12:30		Little Prairie Lake			
12:45		Little France Lake			
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5:15	Bowling Ball Testing			Bridge Captains Meeting	
5:30	Butler Carlton Hall 109			Butler Carlton Hall 124	
5:45					
6:00			3-D Printed Bridge Competiton		
6:15			Butler Carlton Hall 318/Atrium		Sustainable Solutions Poste
6:30			The second secon		Session
6:45				Pop-Up Leadership Workshop	Butler Carlton Hall Atrium
7:00				Butler Carlton Hall 125	
7:15	Canoe Presentations Butler Carlton Hall 120	Mead Paper Presentations Butler Carlton Hall 121	1		
7:30				Surveying Task 1-B Butler Carlton Hall Atrium	
7:45					
8:00					
8:15					
8:30			Transportation Competition Butler Carlton Hall 115		
8:45					
9:00					
9:15					
9:30					



Time		Saturday	
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8:45		Sustainable solutions Poster Session	
9:00		Gale Bullman	
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9:45 10:00			
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10:45		Sustainable Solutions	
11:00		Presentations	
11:15		Bertelesmeyer 112-AB	
11:30			Lunch
11:45	12000		Gale Bullman
12:00	Bridge Competition	Describe Leader Lin World	
12:15 12:30	Gale Bullman	Pop-Up Leadership Workshop Bertelesmeyer 112-AB	
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6:15	Mini Career Fair		
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8:15	Banquet		
8:30	Gale Bullman		
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Final Presentation Schedules

Concrete Canoe	Student Symposium Paper	Sustainable Solutions
Presentations	Presentations	Presentations
Date 4/19	Date 4/19	Date 4/20

School	Timeslot	School	Timeslot	School	Timeslot
	P.M.		P.M.		A.M.
Missouri S&T	6:00	Dordt University	5:30	University of Iowa	10:00
University of Missouri - Columbia	6:15	Benedictine College	5:45	University of Missouri - Columbia	10:10
Dordt University	6:30	University of Missouri at KC	6:00		
University of Kansas	6:45	Missouri State University	6:15		
Kansas State University	7:00	University of Iowa	6:30		
University of Nebraska at Lincoln	7:15	South Dakota State University	6:45		
Break	7:30	William Jewell College	7:00		
University of Missouri at KC	7:45	Saint Louis University	7:15		
South Dakota State University	8:00	Break	7:30		

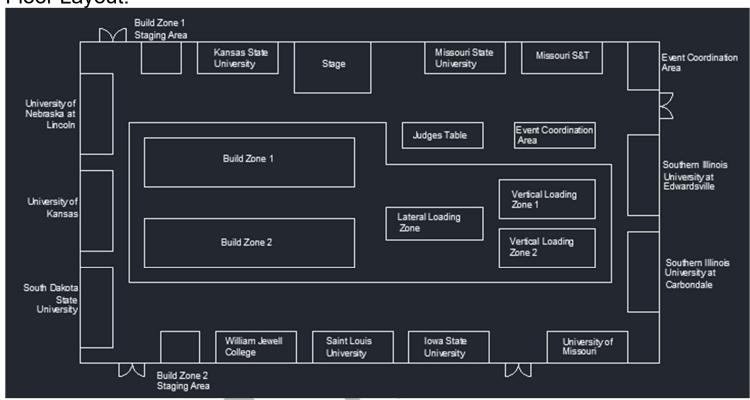


Benedictine College	8:15	University of Missouri - Columbia	7:45	
Iowa State University	8:30	Southern Illinois at Carbondale	8:00	
University of Iowa	8:45	Southern Illinois at Edwardsville	8:15	
Southern Illinois at Carbondale	9:00	University of Kansas	8:30	
		Kansas State University	8:45	
		Missouri S&T	9:00	
		Iowa State University	9:15	



Steel Bridge Competition Details

Floor Layout:



Notes for Competition

- No power tools outside those used in the process of building to be used inside Gale Bullman or the gym including portable welders, angle grinders, portable mill, and lathe, etc.
 - Questions about specific tools can be forwarded to Kyle Bryan at <u>kabng6@mst.edu</u>
- Each team will set up aesthetics within the designated area shown above. This will be each teams' "pit box" for the duration of the competition
- The large box surrounding the bridge build and zoning area is a hard hat area only for competitors actively
 participating in the competition. All spectators and competitors not actively participating in the competition
 should stay outside the area.
- Lunch will be announced and served in the event coordination area
 All participants and spectators are asked to keep all people and personal objects off the stage

General Schedule

7:30 am: Bridges Unloading

8:00 am: Setup Bridges for Aesthetics

9am: Start of Aesthetics Portion of Competition

After aesthetics is complete: Tear Down Bridges in Preparation for Build

10am: Start of First Bridge Build



Unloading Order

7:30 am: Kansas State University

University of Nebraska Lincoln

University of Kansas

South Dakota State University

7:40 am: Missouri State University

Missouri S&T

William Jewell College Saint Louis University

7:50 am: Iowa State University

University of Missouri - Columbia

Southern Illinois University at Edwardsville Southern Illinois University at Edwardsville

Build Order:

Arrive 15 minutes before your scheduled time to the appropriate build zone staging area.

School	Timeslot	Build Zone
Missouri State	10:00	Zone 1
University		
	40.00	_
Iowa State	10:20	Zone 2
University		
Saint Louis	10:40	Zone 1
University		
William Jewell College	11:00	Zone 2
University of	11:20	Zone 1
Missouri - Columbia		
University of	11:40	Zone 2
Nebraska at Lincoln		
South Dakota State	12:00	Zone 1
University		

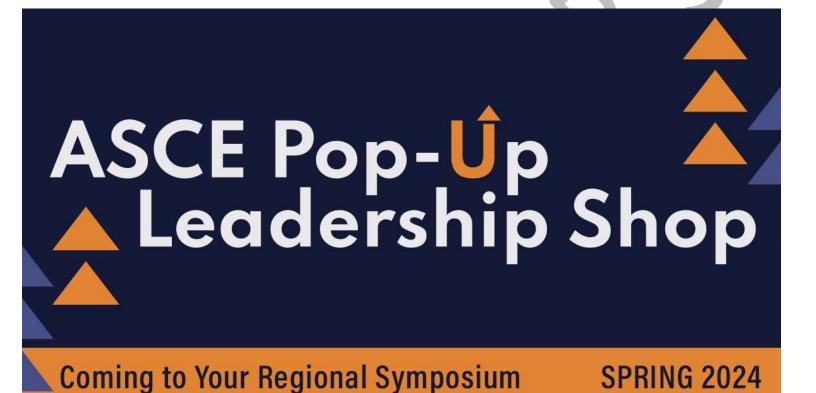


University of Kansas	12:20	Zone 2
Southern Illinois at Carbondale	12:40	Zone 1
Kansas State University	1:00	Zone 2
Missouri S&T	1:20	Zone 1
Southern Illinois at Edwardsville	1:40	Zone 2



ASCE Pop-Up Leadership Workshops

- Don't miss the ASCE Pop-Up Leadership Shops hosted by the ASCE Committee on Student Members.
 Learn about professional skills you can use now and after graduation to help you grow in your career.
 Workshop #1 "Ethics & Professional Conduct" / April 19th, 6:30pm BCH 125
- Workshop #2 "Pathway to the PE" / April 20th, 12:00pm Bertelsmeyer 112AB
- Workshop #3 "What Is My Emotional Intelligence?" / April 20th, 5:00pm Bertelsmeyer 112AB





ASCE Competition Eligibility Requirements

Competitions that advance to an ASCE Society-wide Competitions Finals include: ASCE Concrete Canoe Competition, ASCE Sustainable Solutions Competition, and ASCE UESI Surveying Competition.

The AISC/ASCE Student Steel Bridge Competition advances to the SSBC National Finals and follows the eligibility requirements below. See <u>SSBC Rules</u> for more information.

Invitations to Student Symposia and ASCE Student Civil Engineering Championships/Society-wide Competition Finals are a privilege, not a right. Failure to act professionally can result in letters of reprimand, mandatory behavior management plans, and loss of invitations to further competition for individual institutions and/or entire conferences. Please note that the requirements for eligibility for Society-wide competition finals are more stringent than the requirements for participation at the student symposia competitions.

Eligibility for Student Symposium Competition

The following qualifications are required of all ASCE Student Chapters to compete at the Student Symposia Competitions:

An ASCE Student Chapter must:

- 1. Be in good standing with ASCE:
- a. Have paid their annual dues, as received by ASCE, no later than the start of their Student Symposium.
- **b.** Have submitted their student chapter's full Annual Report or EZ Annual Reporting Form **no later than February 1, 11:59 p.m. EST.**

Eligibility for ASCE Society-wide Competition Finals

The following qualifications are required of all ASCE Student Chapters in order to advance to the ASCE Society-wide Competition Finals:

An ASCE Student Chapter must:

- 1. Be in good standing with ASCE:
- a. Have paid their annual dues, as received by ASCE, no later than February 1, 11:59 p.m. EST.
- b. Have submitted their student chapter's <u>full Annual Report</u>, no later than February 1, 11:59 p.m. EST <u>and have</u> received a minimum score of 25 points out of a possible 100. Student Chapters that submit an EZ annual reporting form do not qualify to advance on to competition finals; and
- 2. Attend and participate in their assigned Student Symposium as shown through their school's:
- **a.** On-time attendance and active participation by a member of the ASCE Student Chapter at the Student Symposium Business Meeting.
- **b.** Participation in the Student Symposium Paper Competition, including submission and presentation by a member of the ASCE Student Chapter. Note that any papers/presentations created for any other competition do not count as an entry into the Student Symposium Paper Competition.

Questions regarding eligibility should be directed to student@asce.org.



Business Meeting (Eligibility Requirement)

The Business Meeting is scheduled to take place on Thursday, April 18, 2024 at 4:45pm.

The draft business meeting agenda is and an attachment to the Mailer 3 email. If you have additional agenda items and/or motions that your student chapter would like to be included in the agenda, please submit them to Kyle Bryan at kabng6@mst.edu by March 31, 2024.

Note that the business meeting is officially the business meeting for the Student Conference Board of Delegates. The Board of Delegates consists of two student delegates (preferably a senior or junior in an ASCE leadership position and a sophomore in or aspiring to an ASCE leadership position) and the faculty advisor from each student chapter. Each student delegate must be a member in good standing with their student chapter and the Society. Each student chapter in the Student Conference has one vote. At least one member of your ASCE student chapter must participate. (See eligibility requirements.)





Student Symposium Paper Competition (Eligibility Requirement)

This is a mandatory paper submission and presentation for any student chapter participating in the 2023 ASCE Mid-America Student Symposium that wishes to be eligible to advance to ASCE Society-wide competition finals and SSBC National Finals. Competitions <u>requiring</u> this include the ASCE Concrete Canoe Competition, ASCE Sustainable Solutions Competition, ASCE UESI Surveying Competition, and AISC/ASCE Student Steel Bridge Competition.

The ASCE Student Symposium Paper Competition emphasizes the importance of being able to write and present a paper as essential communication skills for all engineers and often necessary for advancement in your career.

Participation in the Student Symposium Paper Competition, including submission and presentation by a member of the ASCE Student Chapter, is a requirement to be eligible to advance to an ASCE Society-wide competition finals and SSBC National Finals.

Note that any papers/presentations created for any other competition do not count as an entry into the Student Symposium Paper Competition.

The topic for the ASCE Mid-America Student Symposium Paper Competition is: **the Daniel W. Mead Prize for Students Topic.**

Submission deadline was: March 1st

This topic is the same topic as the <u>Daniel W. Mead Prize for Students</u>. However, the Student Symposium Paper Competition and the Daniel W. Mead Prize for Students are two separate competitions and must be submitted separately. The Student Symposium Paper Competition paper was due March 1st and submitted to student@asce.org. The Daniel W. Mead Prize for Students was due March 1st and submitted to student@asce.org.



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