



## 2022 Virginias' Student Symposium



March 1, 2022

Dear ASCE Student Chapters of the Virginias' Student Conference:

This is the 2022 Virginias' Student Symposium Mailer III, the third packet to be sent to each of the participating ASCE Student Chapters in our Student Conference.

Please carefully read through this packet and forward copies to the appropriate chairpersons in your Student Chapter. Do not delete this mailer as information given within may not be repeated in subsequent mailers. Enclosed you will find the following information:

- Deadline Summary
- Release Forms and Liability Waiver
- Tentative Symposium Schedule/Plans,
- Competition Rules and Contacts
- Eligibility Requirements for Advancement to Society-wide Competition Finals.

Please note the registration deadlines were February 15<sup>th</sup>. If you have not paid your school and participant fees, then please do so as soon as possible. We really appreciate your cooperation.

If you have any questions, feel free to contact us at the e-mail address: [vmiasceconference2022@gmail.com](mailto:vmiasceconference2022@gmail.com). All questions and answers concerning the events, rules, etc. will be posted on our web site: <https://studentsymposium.asce.org/virginias/>. We will do everything possible to answer your questions in a timely manner, but please be patient – we are learning as we go and planning during a pandemic has proven very challenging.

We look forward to your participation in the inaugural Virginias' Student Symposium and providing an opportunity to engage with other student chapters and ASCE Region Leadership.

Sincerely,

*Sam Moody*  
President, ASCE Student Chapter  
*Virginia Military Institute*

*Jimmy Hart*  
Chair, 2022 Virginias' Student Symposium  
*Virginia Military Institute*

*Tanjina Afrin, PhD, PE*  
Advisor, ASCE Student Chapter  
*Virginia Military Institute*

*Andrei Ramniceanu, PhD*  
Advisor, ASCE Student Chapter  
*Virginia Military Institute*

*Matthew Swenty, PhD, PE*  
Advisor, ASCE Student Chapter  
*Virginia Military Institute*

Enclosures



## Deadlines Summary

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### Participants:

<b>October 30<sup>th</sup></b>	Mailer Receipt Confirmation
<b>November 30<sup>th</sup></b>	Student Chapter Registration Postmarked
<b>February 15<sup>th</sup></b>	Attendee Registration (postmark date)
<b>March 10<sup>th</sup></b>	Final Date for Late Registrations
<b>March 15<sup>th</sup></b>	<u>Release Forms and Liability Waiver</u>
<b>April 7-9<sup>th</sup></b>	Virginias' Student Symposium

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### Host:

<b>October 15<sup>th</sup></b>	Mailer I
<b>January 17<sup>th</sup></b>	Mailer II (updates, maps, attendee registration form)
<b>March 1<sup>st</sup></b>	Mailer III (updates, parking info, final schedule)

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## Pandemic Protocols

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We intend to host the entire conference in person.

VMI allows visitors and members of the public on campus. Our competitive events (concrete canoe, steel bridge, etc.) are designed to be open to the public, although we do ask that you socially distance when appropriate. Masking is required of unvaccinated individuals who come into any VMI building. These policies are dynamic and may change before the symposium. The link below provides the most up to date information. We do not anticipate policing any of these policies. Rather we request everyone look out for one another and do what you think is best in light of protecting the health, safety, and welfare of the public.

If your university has additional guidance for travel, then please defer to those policies while at the symposium. We do not intend to usurp any travel rules from your university.

### VMI Covid19 Policies

<https://www.vmi.edu/cadet-life/health-and-safety/coronavirus-updates/>



## Release Forms and Liability Waiver

ASCE requires that **every participant** acknowledge and agree to a series of release statements and sign a Waiver of Liability. Please complete the following:

- 1) We have combined all of the release statements into one survey at the link shown. Please read the following statements, type your name - school, and sign off that you agree.

[ASCE Virginias Release Form](#)

- 2) Please sign the Waiver of Liability form that can be found attached to Mailer III and on the symposium web site. Upload your signed form to the ASCE web site link on the form Please enter your name below followed by your university. (Example: Sam Hap - VMI)

[Waiver Liability Form](#)

If you have any questions, then please let us know. Thanks!



## Tentative Symposium Schedule/Plans

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### Thursday, April 7th

Event	Time	Location
Welcome Table	5:30-8:00 PM	Entrance to NEB off Letcher Ave.
Captains Meeting	6:30-7:30 PM	NEB 501 - Engineering Library
T-Shirt Design Competition	5:30-8:00 PM	Submit at the Welcome Table by 8:00 PM
Scavenger Hunt	Ongoing	Pickup Instructions at the Registration Table
Concrete Canoe Presentations	8:00-10:00 PM	NEB 514 - Engineering Auditorium

### Friday, April 8th

Event	Time	Location
Concrete Canoe Check In	8:00 AM	Lake Robertson
Surveying Competition	1:00 PM	Lake Robertson
ASCE Leadership Seminar 1	10:00 AM	Lake Robertson Pavilion
Lunch	12:00 PM	Lake Robertson
ASCE Leadership Seminar 2	1:00 PM	Lake Robertson Pavilion
Steel Bridge Meeting	5:00 PM	NEB 501 - Engineering Library
Business Meeting	5:00 PM	CLE - Hall of Valor
Dinner Meeting	6:00-8:00 PM	CLE - Hall of Valor

### Saturday, April 9th

Event	Time	Location
Steel Bridge Check In	8:00 AM	Drop Off Materials & Check In
ASCE Leadership Seminar 3	11:00 AM	NEB 601 - Computer Lab
Concrete Bowling Ball	10:00 AM	Front of NEB
Water Filtration	10:00 AM	Behind NEB - Engineering Drive
Lunch	12:00 PM	NEB 501 - Engineering Library
Engineering Trivia	1:00 PM	NEB 601 - Computer Lab
Hardy Cross	9:00 AM	NEB 514 - Engineering Auditorium
Scavenger Hunt Submissions	1:00 PM	Submissions Due
Awards	~ 3:00 PM	CPTF - After Steel Bridge

\*Parking in any lot on campus is open to everyone after 5:00 PM each day and all day Saturday. Suggested locations are provided for passenger vehicles and vans, however there is no location to park large trucks or trailers. They will need to be left at hotels or parking lots off campus after dropping off equipment.



## Competition Rules and Contacts

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### **Society-wide competition rules can be found at:**

<https://www.asce.org/communities/student-members/conferences/rules>.

\*\*\*NOTE: Only the Concrete Canoe and Steel Bridge National Competitions will be hosted by the Virginias Symposium this year. This is a change from previous mailers based on feedback from our participants.

### **Local Competition Rules:**

#### ***Surveying Competition Rules***

The surveying competition will be entirely in person. Teams may consist of up to 5 individuals. The task for the competition will be presented the day of the competition. The following items may be needed for the tasks, but this will not be announced until the day of the competition. All must be non-electronic. Please bring:

- 1) A way to measure distance and height (non-electric device)
- 2) An instrument to measure horizontal angles (non-electric device)
- 3) Stakes to mark location in the ground
- 4) Calculator capable of doing trig functions

#### ***Concrete Bowling Ball Competition***

Concrete Bowling Ball is a locally hosted competition where competitors will design and build a concrete bowling ball.

The rules for the competition are as follows:

1. The weight of the bowling ball will be between 10 and 30 lbs.
2. The diameter of the bowling ball will be between 5 and 10 inches.
3. The main bowling ball must be primarily constructed from concrete.
4. The hollow/foam core must have a diameter less than 7 inches.
5. Competitors will roll 5 frames (3 pins each frame) from a distance of 30 ft.
6. A competitors points will be the total number of pins knocked over minus 3 times the weight of the lost weight of the material (lbs) if the ball is damaged.
7. Any number of people can help construct the bowling ball, but 5 will participate. Each will roll one frame.



### ***Water Filtration Competition***

The Water Filtration Competition is a competition where each team will construct a water filter from provided materials. The effectiveness of the filter will then be gauged by the change in turbidity after a dirty sample of water has been run through the filter. Each team will have maximum 30 minutes to construct their filter. At the end of the 30 minutes each filter will be cycled and tested 2 times and the lowest turbidity for each team will be the kept score. Each team will be judged based on the time taken to construct the filter (30%) and water quality (70%). A team can consist of up to 4 individuals.

### ***Engineering Trivia Competition***

The engineering trivia competition will be a collection of multiple choice, FE style questions. Many questions will be conceptual in nature and will not require a calculator although one is allowed. Each team will race to be the first to answer each question correctly first. The winner of this competition will be the team that has accumulated the highest number of points at the end of the trivia. Each school can have up to two teams and teams may consist of 2 to 4 players. Please bring an electronic device (phone, tablet, laptop, etc.) for use in entering answers.

### ***T-Shirt Design Contest***

The T-Shirt Design contest is a contest in which each participating school will wear custom made t-shirts pertaining to their schools ASCE chapter. Each school will vote for one other school that they feel has the best design. The winner of the competition will be the school with the most votes for their shirt design.

### ***Scavenger Hunt***

This competition will start on Thursday night and be ongoing throughout. The symposium. The goal is to see some of the historical aspects of VMI as pertained to engineering. All sites will be within walking distance of the competition and remain on VMI's campus. Each team will take selfies of each site they find and submit them to see who finds the most examples.

Please see the Conference Web Site for Additional Information and Updates:

<https://studentsymposium.asce.org/virginias/>



## Eligibility Requirements for Society-wide Competitions

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PLEASE NOTE the following Society-wide Competitions webpage at:

<https://www.asce.org/communities/student-members/conferences/eligibility>

**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, prior to the start of the Student Symposium; and

b. Have submitted their student chapter full Annual Report **no later than February 1, 11:59 p.m.** EST, and have received a minimum score of 40 points out of a possible 100. Student Chapters that submit an EZ annual reporting form do not qualify; and

c. Act appropriately. As representatives of ASCE and the civil engineering profession, all competition and symposium participants are expected to and must act professionally and courteously. The use of alcohol, marijuana, or other controlled substance is strictly prohibited, including but not limited to competitions and banquets.

***Note:** Invitations to Symposium and Society-wide Competitions are a privilege, not a right. Failure to act appropriately can result in letters of reprimand, mandatory behavior management plans, and loss of invitations to further competition for individual institutions and/or entire conferences.*

2. Attend and participate in their assigned Student Symposium as shown through their school's:

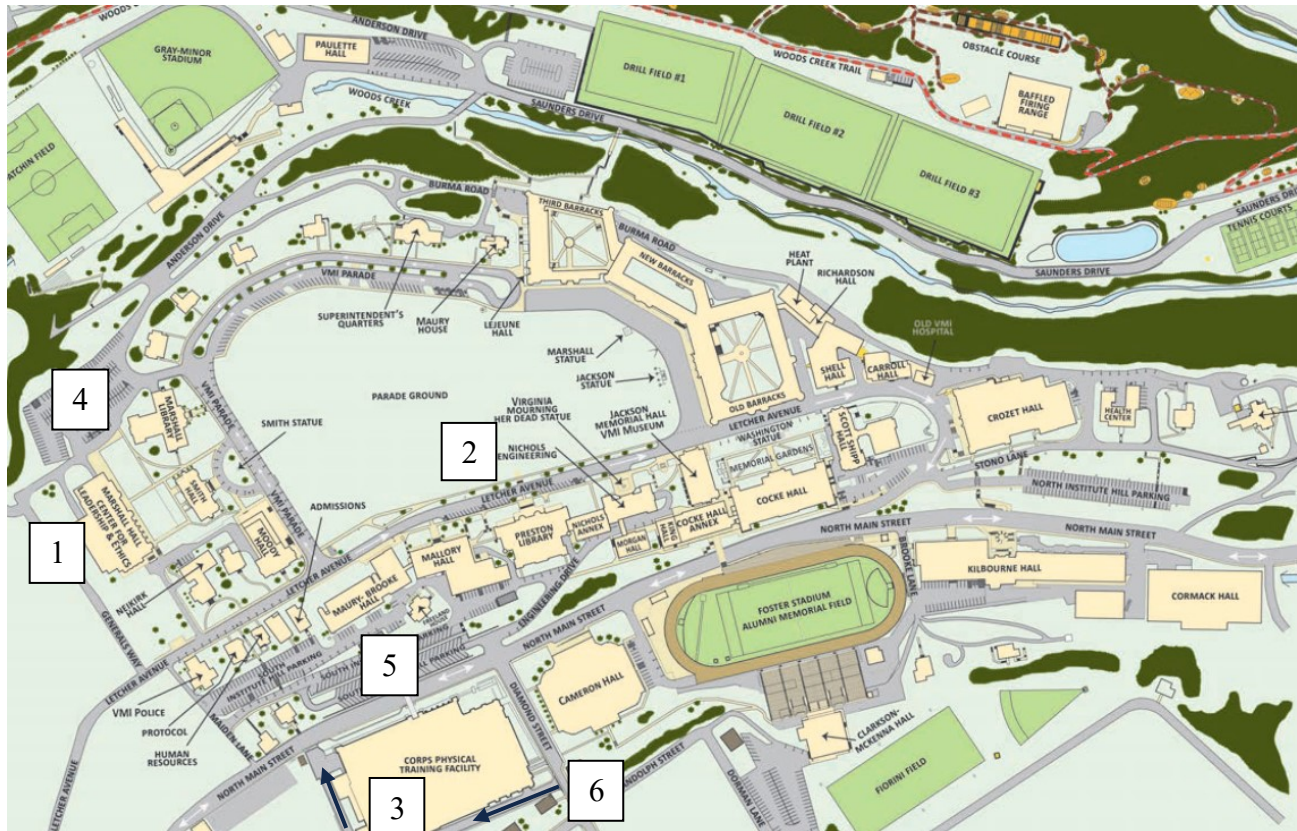
a. Good faith participation in the annual Student Conference Business Meeting as a component of the Student Symposium. At least one (1) student representative shall be present at the start of the Business Meeting;

b. Good faith participation in the Student Symposium Paper Competition, including submission and presentation by at least one (1) 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.



## Maps

Events will be hosted on the VMI Campus and at the Lake Robertson Park. Key locations are shown.



1. Marshall Hall – Center for Leadership and Ethics (CLE)
2. Nichols Engineering Building (NEB)
3. Corp Physical Training Facility (CPTF)
4. Parking for events at the CLE and NEB (Thursday & Friday Evenings)
5. Parking for events at the CPTF and NEB (Saturday)

The parking lots and turning radii on the VMI campus make it extremely difficult to bring trailers and trucks on campus. We ask that you leave them at the hotel for most of the events. The morning of steel bridge there is a drive around the CPTF (3 above) that goes from Diamond Street (6) to North Main Street. We will have people there to help direct traffic and help



## 2022 Virginias' Student Symposium



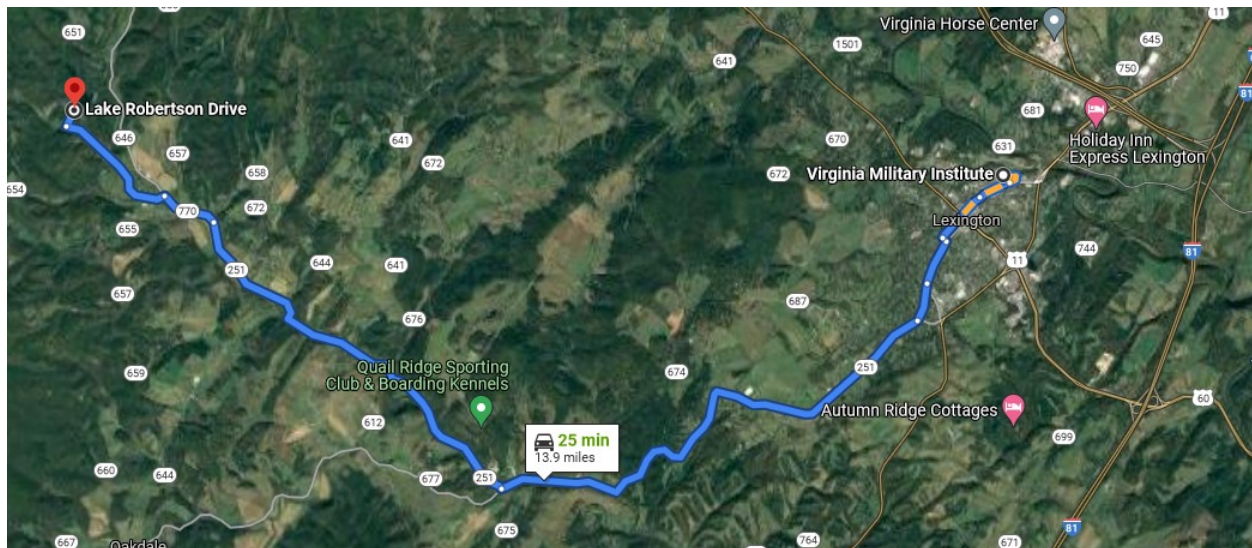
with unloading.

Parking is open on Saturday and during the evenings. For the business meeting and banquet, please park in the lot by the CLE (4 above.) There will be a VMI parade on the Parade Ground from approximately 4:15-5:15 on Friday. (Everyone is welcome to attend. The best place to view the parade is along Letcher Avenue.) Traffic will be limited on Letcher Avenue, but you will be able to drive directly to the CLE parking lot.



Lake Robertson is approximately 14 miles from VMI, but will likely take a 30-40 minute drive. The following directions are recommended and accessible for trailers and box trucks. Be careful following GPS directions. There are many routes that will take you over mountains that are not easily accessible. DO NOT approach Lake Robertson from the north via the Longdale Furnace Exit on I-64.

From VMI Take Business 11 South. Turn right at the intersection with Hwy 251 (Thornhill Road). This road will merge with Road 770 (Turnpike Rd). Continue on this route. Lake Robertson Drive will be on your right (Road 652). We will have parking assistance when you arrive.



Upon arrival the park, please plan on parking in the first lot on your right (1). For those transporting canoes, follow the guides down to the boat ramp (2). Displays will be setup there. We anticipate having 5-6 canoes, so there will be plenty of room to setup, but not for additional vehicles. At the end of the drive is the boat launch (3). Other activities and lunch will be provided at the pavilion next to the parking lot (4).



# 2022 Virginias' Student Symposium







## Join or Renew your ASCE Membership

Students Receive Free ASCE Membership. In addition to the upcoming student symposium, Members have access to:

- Networking Opportunities
- Technical Content
- Entry Level Salary Resources
- Free Membership in the ASCE institute of your choice
- Events - such as the upcoming symposium
- And More!

Join or renew between January 1 and March 1 to receive a free Career Paths Guide and decal

Make sure you use the promo code SMJOIN. If you are the student conference with the most new members, you'll hear a "shout out" by your region leaders at your upcoming student symposium.

Visit: [go.asce.org/SMJoin](https://go.asce.org/SMJoin)  
Use Promo Code: SMJOIN

**ASCE**  **FORWARD  
FASTER.**





2022 Virginias' Student Symposium



# ASCE Pop-<sup>U</sup>p Leadership Shop

Presented by the Committee on Student Members

SPRING 2022

Virginias Student Symposium  
Friday – 10 AM and 1 PM  
Saturday – 11 AM

**NOTE THE TIME CHANGES  
FROM MAILER II**

