

# 2018 Rocky Mountain Student Conference



Hello,

I hope everyone is looking forward to coming to South Dakota School of Mines and Technology's Campus soon. We are excited to host this year!

I have had some questions about Concrete Canoe paper submissions. This should hopefully be answered in our section below detailing the rules for all of our competitions. Our Pre-Design competition rules are also detailed below. If you have any questions, please feel free to contact us at any time. (Our contact info is below)

To compete at Nationals, you must attend the Regional Conference and attend the Business Meeting and compete in the Technical Paper Presentation. If you do not do these things, your team will not be allowed to compete nationally.

If you have any other questions please feel free to ask us. We are here to make this conference go as smoothly as possible.

Can't wait to see you soon!

*Elizabeth K. Larsen*

President of the SDSM&T ASCE Chapter

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Christopher Romanjenko

Regional Planning Chair for SDSM&T ASCE Chapter

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**ASCE Chapter**

asce@mines.sdsmt.edu

## Deadlines Summary

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### Participants:

<b>February 1</b>	Attendee Pre-registration
<b>March 1</b>	Hotel Reservations Cut-off
<b>April 5-7</b>	Conference!

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### Host:

<b>January 15</b>	Mailer II (maps, updates)
<b>March 1</b>	Mailer III (final schedule, parking passes, updates and addendums)

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# 2018 Rocky Mountain Student Conference



## Conference Attendee Pre-registration

**Send before February 1, 2018** (this is a hard deadline, so don't be late!)

Each conference attendee (student, faculty, or friends) must pre-register for the event. Please fill out the following page and send with \$70.00 per person to: *Civil Department Attn: ASCE*

*501 East Saint Joseph St  
Rapid City, SD 57701*

The \$70.00 registration fee covers the following:

- ◆ conference banquet
- ◆ conference program & badge
- ◆ dinner on Thursday
- ◆ lunch on Friday & Saturday
- ◆ conference t-shirt
- ◆ parking fees
- ◆ event fees

### **Late Registration**

Any registrations postmarked after February 1, 2018 must pay a late registration fee of \$100.00, instead of the original \$70.00 fee. Any students or faculty that arrive at the conference without pre-registering must pay the late registration fee at check-in.



# 2018 Rocky Mountain Student Conference



## Tentative Conference Schedule

<b>Thursday – April 5th</b>		
5:00 – 7:00 pm	Registration	SD Mines Campus – King Center
6:00 – 7:30 pm	Welcome Dinner and Chapter Presentations	SD Mines Campus – Fraser Gym
7:30 – 8:15 pm	Mystery Design	SD Mines Campus – Hall of Fame
8:15 – 8:30 pm	Presidents/Regional Chairs Meeting	SD Mines Campus – King Center
8:30 – 10:00 pm	Steel Bridge Captains' Meeting	SD Mines Campus – King Center
<b>Friday – April 6th</b>		
8:00 am	Canoe and Bridge Drop off	Civic Center – Rushmore Hall
8:30 – 11:00 am	Steel Bridge Aesthetics	Civic Center – Rushmore Hall
8:30 – 11:00 am	Concrete Canoe Aesthetics	Civic Center – Rushmore Hall
9:00 – 11:00 am	Pre-Design Competition	Civic Center - TBD
10:00 am – 1:00 pm	Concrete Canoe Presentations	Civic Center - TBD
11:00 am – 5:00 pm	Steel Bridge Competition	Barnett Arena
11:00 am – 3:00 pm	Technical Paper/Presentations	Civic Center – Alpine or Ponderosa Room
11:00 am – 3:00 pm	Non-Technical Paper/Presentations	Civic Center – Alpine or Ponderosa Room
2:00 – 3:00 pm	Concrete Canoe Captains' Meeting	TBD
5:00 – 6:00 pm	Mandatory Business Meeting	TBD
<b>Saturday – April 7th</b>		
7:30 am	Concrete Canoe Drop off	Angostura Reservoir
8:00 – 9:00 am	Swamp Testing (Weather depending, it might be the day before)	Angostura Reservoir
9:00 am – 3:00 pm	Canoe Races	Angostura Reservoir
12:00 – 2:00 pm	Surveying Competition	Angostura Recreation Area
6:00 – 8:00 pm	Awards Banquet	Holiday Inn and Suites – Rushmore Plaza

# 2018 Rocky Mountain Student Conference



## Hotel Accommodations

Two hotels will be available through our chapter for you to book rooms from. For both, mentioning that you are with the “ASCE Regional Competition” should be adequate in getting you the proper rate.

### **Conference: April 5<sup>th</sup> – April 7<sup>th</sup>**

#### Option 1: Howard Johnson Hotel

Rate: \$65/room

Location: 950 North Street, Rapid City, SD 57701

Phone Number: (605) 737-4656

Distance to SD Mines: 7 minute drive

Distance to Civic Center: 3 minute drive, 12 minute walk

#### Option 2: The Holiday Inn

Rate: \$79/room

Location: 505 North 5<sup>th</sup> Street, Rapid City, SD 57701

Phone Number: (605) 348-4000

Distance to SD Mines: 5 minute drive

Distance to Civic Center: 0 minute drive, 1 minute walk

The cutoff date for both hotels is **March 1, 2018**.

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## Contacts for Regionals

ASCE Chapter: [asce@mines.sdsmt.edu](mailto:asce@mines.sdsmt.edu)

Chapter President: Elizabeth Larsen, [Elizabeth.larsen@mines.sdsmt.edu](mailto:Elizabeth.larsen@mines.sdsmt.edu)

Regional Chair: Christopher Romanjenko, [Christopher.romanjenko@mines.sdsmt.edu](mailto:Christopher.romanjenko@mines.sdsmt.edu)

Treasurer: Timothy Felker, [Timothy.felker@mines.sdsmt.edu](mailto:Timothy.felker@mines.sdsmt.edu)

Chapter Advisor: Dr. Christopher Shearer, [Chris.shearer@sdsmt.edu](mailto:Chris.shearer@sdsmt.edu)

If you have any questions, please contact the people listed above and they will help you as soon as they can. Thanks!

# 2018 Rocky Mountain Student Conference



## Competition Rules

*Please Review all Competition Rules As Soon as Possible!*

### Concrete Canoe Competition:

We will be following the 2018 ASCE Concrete Canoe rules, posted here:

<https://www.asce.org/rules-and-regulations/>

Note: Concrete Canoe papers must be submitted by March 1, 2018, to [asce@mines.sdsmt.edu](mailto:asce@mines.sdsmt.edu) with hardcopies sent to: Civil Department Attn: ASCE, 501 East Saint Joseph St, Rapid City, SD 57701.

Additionally, please note that you will have to submit your paper to the National website as outlined in the rules.

For more information, please view the "Paper Submittal Process" instructions below.

### Steel Bridge Competition:

We will be following the 2018 AISC Steel Bridge rules, posted here:

<https://www.aisc.org/globalassets/aisc/university-programs/nssbc/2018-nssbc-rules-rev-12.pdf>

For questions and further details, please see the addendums that AISC posts on their website.

### Technical Paper/Presentation:

The topic of this year's technical paper will be left to each individual school. However, the paper should focus on a technical issue that has relevance to the Civil Engineering field of study. For example, students may write about research that their school is currently conducting or will be conducting in the future. The rubric used for this paper and presentation can be found below.

### Non-Technical Paper/Presentation:

We will be following the Daniel W. Mead paper topic and rules, posted here:

<https://www.asce.org/mead-student/>

**2018 Topic:** *"How does the personal and professional use of social media relate to the ASCE Code of Ethics?"*

Papers will be presented by each school that is participating in this event. The rubric used for this paper and presentation can be found below.

### Paper Presentations (in General)

Papers (in PDF format) must be submitted by March 1, 2018, 11:59 pm MST, to [asce@mines.sdsmt.edu](mailto:asce@mines.sdsmt.edu). In addition, **three** sets hardcopies for **each paper** must be sent to SDSM&T, postmarked before March 1, 2018. Address: Civil Department Attn: ASCE, 501 East Saint Joseph St, Rapid City, SD 57701.

Note: to be eligible for the national Daniel W. Mead prize, students must submit their papers separately to ASCE Nationals before March 1, 2018, 11:59 pm EST. To submit, they must be sent to [student@asce.org](mailto:student@asce.org).

## Mystery Design Competition

This portion of the conference will exercise the ability of the engineering students to think on their feet, work under pressure, and produce a useable product in a short period of time. The actual competition will be revealed to participants at the conference just prior to the event beginning. Please plan to have **two participants** entered into this competition.

## Pre-Design Competition

This year's Pre-Design Competition will test your ability to properly distribute water across an area. As Civil Engineers know, water is a required resource for human survival and thus needs to be spread to many different areas. It becomes more interesting when certain areas need more water than others and certain areas require less. This Pre-Design Competition will consist of each team designing and building a water distribution system to properly distribute water to required areas of a region.

The full rules can be seen in the attached document labeled "RMRC 2018 Pre-Design Competition Rules". For questions, please direct them to [asce@mines.sdsmt.edu](mailto:asce@mines.sdsmt.edu). Addendums to the rules will be sent out on March 1, in Mailer III.

## Surveying Competition

This competition has yet to be finalized. The rules for this competition will be updated in subsequent mailers or in an update email coming soon. The rules for this competition will come out no later than January 25, 2018.



## Concrete Canoe Design Paper Submittal Process:

- 1) Send final Design Paper **PDF** version to [asce@mines.sdsmt.edu](mailto:asce@mines.sdsmt.edu) by **11:59 pm MST on March 1<sup>st</sup>, 2018**. Await receipt confirmation.
- 2) Send **5 bound hardcopies** of the Design Paper to the following address. The date stamp of the package must be before **11:59 pm MST on March 1<sup>st</sup>, 2018**

Civil Department Attn: ASCE  
501 East Saint Joseph Street  
Rapid City, SD 57701

- 3) Submit your final Design Paper and *Project Overview & Technical Addendum* to the link below according to section 6.3.3 of the official concrete canoe rulebook by **11:59 pm MST on March 1<sup>st</sup>, 2018**.

### Submission Link:

<https://files.asce.org/xythoswfs/webview/fileManager.action?stk=B4C6EF4652465BF&entryName=%2FOrganizational%2FDepartment%2FSYM+Programs%2FCSM%2FeRoom%2F2018+Confer+Canoe+Papers&msgStatus>

### Additional Notes:

- Late Submission Penalties – Point penalties for late submissions will be enforced. Please see Design Paper Score Card, Infraction D.
- Weather – Rapid City is known for drastic temperature changes. Be prepared for low temperatures. Please plan to bring wet suits for your paddlers.
- Project Overview & Technical Addendum – This item only needs to be submitted to the national website. (link above)

## 2018 Rocky Mountain Regional Student Conference

### Paper Presentation Competition SCORING SUMMARY SHEET

Author's Name: \_\_\_\_\_ Date: \_\_\_\_\_

ASCE Student Organization Represented: \_\_\_\_\_

Paper Scoring Criteria	Score
1. Adherence to topic (10 pts)	/ 10
2. Presence of original ideas and research involved (10 pts)	/ 10
3. Command of subject matter (10 pts)	/ 10
4. Spelling and grammar / length (2000 word maximum) (5 pts)	/ 5
5. Overall clarity, organization, quality of paper and references (15 pts)	/ 15
<b>Paper Sub-Total</b>	<b>/ 50</b>

Presentation Scoring Criteria	Score
1. Degree to which presentation addressed and supported key concepts of written paper and theme of contest	/ 10
2. Ability to communicate key concepts from written paper and to convince audience of their importance	/ 25
3. Personal bearing (i.e. appearance, poise, eye contact)	/ 5
4. Delivery style (i.e. reading, memorized, conversational) / pronunciation and proper use of technical language and grammar / enthusiasm and voice projection	/ 5
5. Time (5 minutes +/- 5 seconds) (Beyond 5-second allowance: 0.05 point penalty per second difference from required 5 minutes, i.e. 5:20 or 4:40 = 1 point penalty)	/ 5
6. Errors in logic or facts (up to 10 points penalty)	( ) penalty
<b>Presentation Sub-Total</b>	<b>/ 50</b>
<b>Paper Sub-Total</b>	<b>/ 50</b>
<b>Overall Score</b>	<b>/ 100</b>

## Eligibility requirements for advancement to National Competitions

The following qualifications are required of all ASCE Student Organizations in order to participate in an ASCE-sponsored National Competition.

1. Be in good standing with ASCE:
  - a. Have submitted their Annual Report and paid their Annual Dues, as received by ASCE, prior to the start of the Student Conference; and

FOR CONCRETE CANOE ONLY - Have submitted their student chapter full Annual Report in time to be graded (reports submitted on or before February 1, 2018 meet this qualification), and have scored within the top two-thirds (2/3) of all student chapters. **Student Chapters that submit an EZ annual reporting form do not qualify;** and

- b. Act appropriately. As representatives of ASCE and the civil engineering profession, all competition and conference participants are expected to and must act professionally and courteously. The use of alcohol, marijuana, or other controlled substance is strictly prohibited.

*Note: Invitations to Conference and National 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 Conference as shown through their school's:
  - a. Good faith participation in the Student Conference Business Meeting (at least one (1) student representative present at the **start** of the Business Meeting);
  - b. Good faith participation in the Student Conference Paper Competition, including submission and presentation by at least one (1) member of the ASCE Student Chapter, not necessarily a member of the concrete canoe team; and
  - c. Meeting any additional requirements of Student Conference participation set by the Student Conference at the previous year's business meeting or in their written and approved by-laws, standing rules, or constitution.