

October 1, 2017

# The Scoop



THE LATEST HAPPENINGS OF THE MINING ENGINEERING DEPARTMENT AT THE UNIVERSITY OF UTAH



## Women In Mining

Sign up for WIM for only \$10 and get a free shirt! Payment can be made online or directly to Pam.

Hey guys! We all made it through the first month of school and midterms are just around the corner. If you need a hand studying, dont hesitate to reach out. The math tutor center is a good option for your core math classes, T.A.s are available for many of your classes, and upperclassmen don't typically bite. Best of luck.

## SME Shirts

Sign up sheets will be passed around during seminar to order shirts. Payment can be made online.



# FALL BREAK!!

OCT 9-13th

OCT 20th

## WIM Field Trip

8 am -3 pm

The Women in Mining group will be visiting the Wind Caves in Logan Canyon. Sign up for a free ride.. spots are limited. Plan on icecream after!!



MINING ENGINEERING  
-20 17-

## Department Bowling

OCT 27th

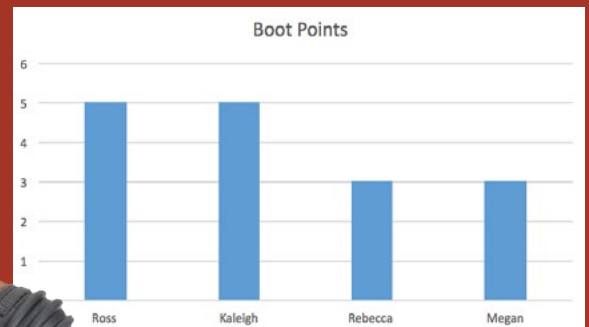
Come hang out at the union and show off you bowling skills!  
~ 2 pm

Remember to keep applying for scholarships!  
You have a 100% chance of not receiving one if you don't apply.

The Grand Canyon Section Scholarship is due November 1.



For any announcements or activities you would like included. Please contact: breanna1sanders@gmail.com



# Summer Internships

Check out some more interesting internships our students had this summer!

## Bonnie



The mine I worked in this summer is at Erdenet Mining Corporation (EMC) located in Mongolia. EMC is established in accordance with an agreement between governments of Mongolia and (former) Soviet Union. Six thousand employees keep this open pit copper mine going! The mine management and most techniques used in this mine are very old school, which made it more fascinating to learn about. The mine has a total of ten departments which gave me the opportunity to have a various types of experiences. Mostly I spent my time in the drilling and blasting department. I would go out in the mornings to do field work such as connecting detonators for blast holes and in the evening, I would do the short term mine planning for the following week using a Russian technique. My favorite activities beside work were going to my salsa and bachata dance classes in the mining town. I found out Latino dances are very popular in Mongolia!



Be sure to check out the next issue of the Scoop for more summer spotlights.

## Garrett Cadwell

Hi there! I am Garrett Cadwell. I am a 4th generation miner and was born and raised in the small mining town of Elko Nevada. Last summer I worked out at Barrick Nevada's Cortez Hills Underground mine. At the mine I worked on crew, driving truck, loading blast rounds, installing ventilation and water lines, and drilling holes/bolting. Working on crew was great and you get a real sense of the camaraderie between the miners and myself after working for four months with them. In my spare time I enjoy hanging out with my girlfriend, video games, sight-seeing in my bow, and riding my bike.



## Miessa Ferreira

This Summer I had the amazing opportunity to work as an intern for Rio Tinto Kennecott's geotechnical engineering team. The internship exceeded all of my expectations – I was involved directly with the entire geotechnical process at the mine, and the people I met were very helpful and welcoming. I had the chance to learn about:

- Geotechnical, geological and hydrology modelling
- Slope monitoring including radars, inclinometers and extensometers
- Slope stability management

Kennecott has done similar studies to my doctorate topic using their database and geology information to compare factors of safety using the Shear Strength Reduction Technique and the Limit Equilibrium Method. The internship was important to implement my numerical modeling skills, learn from slope stability experts and better understand the application of my research topic to the mining industry.