

NORMAN B. KEEVIL
INSTITUTE OF MINING ENGINEERING

THE UNIVERSITY OF
BRITISH COLUMBIA

GRADUATING CLASS RESEARCH TRIP

SPONSORSHIP PACKAGE

SOUTHERN AFRICA – MAY 2017



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HISTORY/INTRODUCTION

Students at the Norman B. Keevil Institute of Mining Engineering realize that today's increasingly complex industries require engineering education that not only includes excellence in classroom and laboratory curriculum, but also exposure to real-world industries. This enables the students to both understand the problems that the industry faces and apply their learning in the field. Each year, students from the graduating class research, plan, and organize an international mining field trip. In May 2017, this year's graduating class will travel to Southern Africa in order to further develop relationships with the African mining industry.

As a mining center in Africa, the graduating class of mining engineers at UBC will be starting off in Johannesburg, South Africa. Within close vicinity of Johannesburg lies some of the deepest mines in the world as well as one of the world's richest platinum mining belts. After Johannesburg, the group will be travelling to Gaborone, Botswana to explore some of the world's richest diamond mining operations. The trip will conclude in Cape Town, South Africa, where students will not only visit educational institutions and facilities, but also share experiences with South African mining engineering students. Our goal is to return to Canada with valuable knowledge on culture, careers, and companies obtained from experiencing diverse African mining operations.

In previous years, students have travelled to Chile, Poland, Indonesia, Turkey, Brazil, Spain, and Australia. The field trip provides both invaluable exposure to the international aspects of mining as well as an opportunity to celebrate differences in culture around the world.



UBC Mining Students in Chile at Codelco's Chuquicamata Mine (2016)



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LETTER OF SUPPORT FROM DEPARTMENT HEAD

October 11, 2016

Re: Annual 4th Year Field Trip 2017 – Southern Africa

I am writing on behalf of the 2017 UBC Mining Engineering graduating class to give my complete support for our annual 4th year mining student research trip, this year to Southern Africa.

The trip is part of a graduating mining engineering class (MINE 493) in which the students are required to plan and fund a research tour of several mines, and afterward write an extensive report on their findings and experiences. The class will share their findings in presentations to professors, fellow students, and industry representatives. This project will be a major step in expanding the experience of UBC mining engineering graduates, and it will allow students the opportunity to network and establish connections between the Canadian and Southern African mining communities, as well as with Canadian mining companies operating in that region.

In Southern Africa, the students will visit some of the deepest mines in the world. In addition, Southern Africa is a region of mineral diversity, and there will be opportunities to visit a multitude of operations mining different commodities with unique mining methods. This will improve and develop the technical aptitude of our graduates as they prepare to enter the Canadian mining industry.

Please feel free to direct any inquires to the undersigned (contact details provided below). Thank you for your consideration.

Sincerely,

W. Scott Dunbar Department Head
Phone: 604-822-4725
Email: wsd@mining.ubc.ca



ITINERARY

When in Southern Africa, UBC Mining students are aiming to visit a variety of mining operations. Most of these operations are located within the Gauteng, North West, and Limpopo provinces of South Africa but also extend into Botswana. These mines are both underground and open-pit, and contain a variety of commodities including: diamond, gold, uranium, chromium, and copper. Some of these mines include:

- Jwaneng (Diamond)
- Mponeng (Au)
- Maseve (PGMs)
- South Deep (Au)
- Western Chrome Mines (Cr)
- Amandelbult (Pt)
- Mogalakwena (Pt)
- Palabora (Cu)
- Venetia (Diamond)

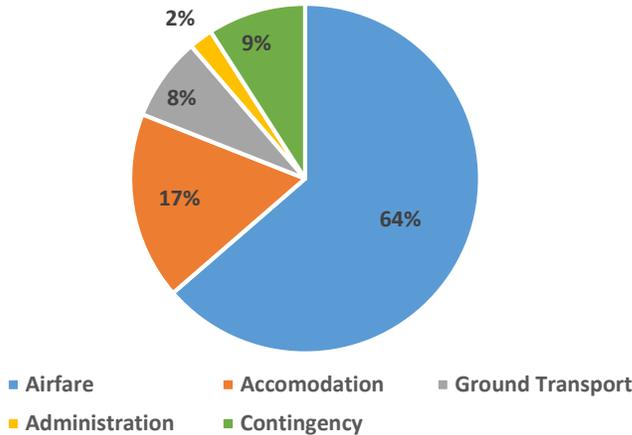


In addition to visiting active operations, the trip will include exchanges with South African mining institutions. Along with various Schools of Mining surrounding Johannesburg, institutions such as the South African Institute of Mining and Metallurgy and the Centre for Minerals Research exist in Cape Town. As funds are raised, the possibility of an extension to Namibia exists. North of Windhoek, Namibia lies a string of gold, manganese, copper, and diamond mines.

**Itinerary is tentative and subject to change*



BUDGET



Item	Trip Total
Air Travel	\$57,750
Ground Transport	\$7,000
Hotels	\$15,750
Admin	\$2,000
Contingency	\$8,250
Total	\$90,750
Cost per student	\$2,593

INTERNATIONAL TRAVEL

Students will be flying from Vancouver International Airport to Johannesburg, South Africa. The return flight will leave from Cape Town. The approximate total cost of these flights is \$1,400 per person (as of October 2nd, 2015). An additional flight between Gaborone, Botswana, and Cape Town, South Africa will be required at approximately \$250 per person.

DOMESTIC TRAVEL

Domestic travel will be carried out with hired vehicles at an anticipated cost of \$7,000 for the entire trip.

ACCOMMODATION

The students will be staying in hotels, which will be selected based on locations that are most convenient for visiting local mines, and are reasonably priced to minimize costs. The after tax budget is \$30-\$35 per person per night.

ADMINISTRATION

The administration cost includes trip banners and clothing displaying sponsors, thank you packages, and other fees associated with planning and organization. The administration budget also allocates money for the purposes of travel visas and other travel costs.

CONTINGENCY

The contingency allotment is intended to cover such costs such as currency fluctuations, booking discrepancies and unforeseen costs of international travel.



ATTENDEES

The following students and faculty are expected to participate in the trip:

STUDENTS:

#	Name	#	Name
1	Adam Paul-Morris	18	Logan Peddie
2	Adrian Heieis	19	Mario Sirotic
3	Amir Zahedi	20	Mark McLellan
4	Andrew Prost	21	Michael Hua
5	Bomoh Weekse	22	Nicholas Li
6	Cathy Lu	23	Patrick Mavety
7	Denny Tian	24	Quintin Johnson
8	Douglas Kao	25	Ray Li
9	Dylan Kiselbach	26	Robert Dai
10	Gordie Hannigan	27	Sean Xie
11	Harm Sangra	28	Sveta Temirova
12	Ian Hengemuhle	29	TianYi Liu
13	Ingemar de Wet	30	Will Humphries
14	Jack Lawson	31	Jackie Wang
15	James McKay	32	Pierce Liu
16	Jerry Hall	33	Jerry Hu
17	Jonathan Ladyman		

FACULTY:

#	Name
1	TBD



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SPONSORSHIP VALUE

Your support of the Norman B. Keevil Institute of Mining Engineering graduation trip will reinforce and further develop the knowledge and experience of future mining engineers. With a broader global outlook, these engineers will become more open-minded and receptive to the ever-changing mining work environment. The graduates will obtain unique experience and have diversified industrial views as they begin their career.

Trip apparel such as shirts and sweaters will display sponsor logos. This apparel will be given to tour directors at visited mines and will be used as part of our fundraising activities. Our research project reports will prominently display sponsor logos on the front pages. Sponsorship will be recognized throughout our presentations to the mining department and industry professionals. Upon completion of the trip, reports showcasing the findings and experiences of the attendees will be made available to sponsors upon request.

Additionally, a resume book will be assembled with contact information to reach the graduating students. The book will contain information for second and third year students seeking summer and co-op employment. A contact list containing the staff and faculty of the Norman B. Keevil Institute of Mining Engineering will also be inserted. This book will be available to all companies providing sponsorship.



SPONSORSHIP LEVELS

Any monetary support is greatly appreciated. Our Mining Department offers the following five sponsorship options and is happy to discuss how your donations may be best put to use. All sponsors will receive an appreciation package from UBC corresponding to the following five levels:

Diamond Level Sponsor - \$10,000+

- Recruitment BBQ thrown in sponsor's honour with a chance to meet and interact with all of the field trip attendees. Special requests accommodated.
- Invitation to give a one-hour presentation at UBC to the entire mining undergraduate student body (~150 students).
- 4 tickets to the annual NBK Mining Alumni dinner will be included
- Diamond level size logo* to be very prominently displayed on all grad clothing, reports, and other advertising memorabilia.
- A Sponsorship Appreciation Package, including two grad trip shirts and a framed photograph of all trip attendees.
- Sponsor's special requests accommodated.

Platinum Level Sponsor - \$5,000+

- Sponsor representative to be invited to give a one-hour presentation at UBC to the entire mining undergraduate student body (~150 students).
- 4 tickets to the annual NBK Mining Alumni dinner will be included
- Platinum level size logo* to be prominently displayed on all clothing, reports, and other advertising memorabilia
- A Sponsorship Appreciation Package, including two grad trip shirts and a framed photograph of all trip attendees.

Gold Level Sponsor - \$2,500+

- Sponsor representatives to be invited to give a one-hour presentation at UBC to the Graduating class (~50 students).
- Gold level size logo* to appear on all clothing, reports, and other advertising memorabilia
- A Sponsorship Appreciation Package, including a grad trip shirt and a framed photograph of all trip attendees.



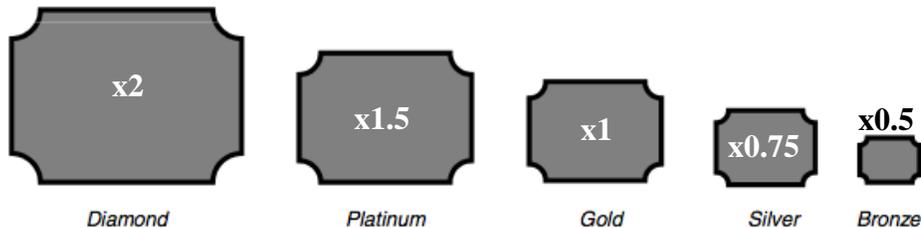
Silver Level Sponsor - \$1,000+

- Silver level size logo* to appear on all clothing, reports, and other advertising memorabilia
- A Sponsorship Appreciation Package, including a grad trip shirt and a framed photograph of all trip attendees.

Bronze Level Sponsor - \$500+

- Bronze level size logo* to appear on all clothing, reports, and other advertising memorabilia

**Logo scales*



We are happy to offer tax receipts for all donations. We are also happy to accept sponsorship and aid in the form of accommodation, meals, and transportation during the trip.



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Turquoise Hill Resources Ltd.

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MINING CORPORATION



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EXTENDING MACHINE SENSES





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Silver Level Sponsors



Bronze Level Sponsors





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Please make your donation payable to **UBC Mining Engineering** and include a note that states the donation is for the **Graduation Research Trip**. Donations can be mailed to the following address:

Attention: Adrian Heieis & Dylan Kiselbach
UBC Mining Engineering Department
517 – 6350 Stores Road
Vancouver, BC
V6T 1Z4

CONTACT INFORMATION

The UBC Graduating Class of 2017 is happy to answer any questions that may arise. Please contact a grad representative at the following:

Adrian Heieis & Dylan Kiselbach
UBC Mining Engineering Graduating Representatives, 2017
Email: ubc.mining.grad.rep@gmail.com
Adrian: 778.680.3227
Dylan: 778.869.0909



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SPONSORSHIP CONTRIBUTION FORM

2017 Graduating Class Research Trip – Southern Africa

Company Information

Name:					
Address:					
City:		Province:		Postal Code:	

Contact Information

Name:		Position:	
Email:			
Telephone:		Fax:	
Please note that all further communication, as well as any merchandise sent in thanks for your contribution, will be directed to the above contact. For additional contacts, please include their information below.			

Sponsorship Level

Bronze Level Sponsorship (\$500+)	Please indicate your Contribution Amount:
Silver Level Sponsorship (\$1,000+)	
<ul style="list-style-type: none"> • Sponsorship appreciation package 	
Gold Level Sponsorship (\$2,500+) <ul style="list-style-type: none"> • Company presentation to UBC Mining 4th Years – Arrange Date • Sponsorship appreciation package 	
Platinum Level Sponsorship (\$5,000+) <ul style="list-style-type: none"> • Four (4) UBC Mining Alumni Dinner Invitations • Company presentation to all UBC Mining undergrads – Arrange Date • Sponsorship appreciation package 	
Diamond Level Sponsorship (\$10,000+) <ul style="list-style-type: none"> • Honorary Barbeque on UBC Campus – Arrange Date • Four (4) UBC Mining Alumni Dinner Invitations • Company presentation to all UBC Mining undergrads – Arrange Date • Sponsorship appreciation package 	
All sponsor logos will be displayed on clothing, reports and memorabilia related to the trip. The size of the logo will be scaled proportional to the level of contribution. Please send an up-to-date, high-resolution logo to your UBC Mining contact.	



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Please mail or deliver this form, along with your company's contribution, to the Norman B. Keevil Institute of Mining Engineering, payable to "UBC Mining Engineering" with the memo "Graduation Research Trip"