



SME San Marcos Student Chapter

Annual Report 2019 - 2020



SME

Society for
Mining, Metallurgy &
Exploration

San Marcos
Student Chapter



Content

SME San Marcos Student Mission Statement	3
2019 SME San Marcos Student Chapter Officers	4
President's Report	5
Secretary's Report	7
Treasurer's Report	8
Standing Committees	2
Activities Report	3
SME TALK	15
Contests report	19
Annual Conference	25
2020-2021 OFFICERS	
(Looking Ahead)	30

SME San Marcos Student Mission Statement

The chapter SME San Marcos has the following purposes:

1. **BE A COMMUNITY:** In the sense of being a human group with similar concerns, values and principles, people who like to share their experiences, knowledge and challenges, willing to assume individual and collective commitments in order to be excellent.
2. **DEVELOP TECHNICAL CAPACITIES:** Generate opportunities for improvement and strengthening of technical skills, as well as learning new knowledge that enables a better academic and professional performance.
3. **DEVELOP PEOPLE:** People can improve in many aspects, some of them, the mental and emotional part are determinants for a good professional performance. The chapter promotes the expression of people, generating spaces where people can exercise responsibilities and leadership, improve their personal productivity, body presentation and emotional control.
4. **GENERATE RESEARCH AND INNOVATION:** The task will be that the community is involved in a culture of generating knowledge and applying knowledge in the solution of mining, metallurgical, geological and career problems related to extractive industry. Also, the application of knowledge to diagnose and solve social, environmental and regulatory problems.

2019 SME San Marcos Student Chapter Officers

Aaron Simon Calderon Cumpa

President
922128226
aaron.calderon.cumpa@gmail.com

Brayan Josue Sullca Pinares

Secretary
983365007
bray.2015.56@gmail.com

Roque Fidel Gonzales Mera

Academic Coordinator
940105062
gonzales.m@hotmail.com

Luis Fernando Haro Jara

Treasuer
991069991
Lfernando9121999@gmail.com

President's Report

In December 2018, I was honored to be elected as vice -president for the 2019 academic year for the Society for Mining, Metallurgy and Exploration Universidad Nacional Mayor de San Marcos Student Chapter. Then I ascended to the office of president and had the support of the members of the student chapter.

In 2018 we managed to obtain the member recruitment award, thus beginning our management of 2019 with a large number of members. The goal was clear, to make these members participative.



For this reason, measures were taken, such as general meetings, T-shirt sales, participation in congress competitions and attendance at the annual conference, in addition to the innovative idea of my great friend and colleague Brayan Sullca (SME Talk).

We also had the opportunity to participate in technical visits thanks to the companies Cerro Verde and Antapaccay who offered a guided tour of their facilities to our members of mining and metallurgical engineering.

Thanks to SME talk we were able to have direct communication with engineers who shared their experiences at work and that helped us a lot. We had the presence of engineers from various areas and we are grateful to them.

We also had employability workshops that we hope have served members who graduated and are about to graduate.

After half a year we were able to receive excellent news from our members who had been recognized in the respective contests in which they participated. They deserve it and that has only been a product of their effort and we appreciate that they share it with us.

I feel that we achieved this year's goal, I was very pleased that this year's management was carried out in a good way despite being few people. There were mistakes and successes and we are happy that they happened because we have learned a lot from them. In addition to being able to share it with the new directives that I am sure will continue on this path and will leave the chapter at the top.

We opened the new Board of Officers election in March 2020. There was good members participation. Brayan Sullca was elected as president and Rubí Rupay was elected as vice-president. Personally, it was a good new for me, I trust them. I think they will do a good job together.

Finally, being part of the current committee has been one of the most rewarding experiences I could ever be part of. Organizing lectures, meeting mining professionals, getting more involved in the SME itself, raising our own funds are some of the things I can quote as part of our job, but especially showing people how SME can contribute to the professional development of our undergraduate partners and the opportunities it brings is a good way to accomplish our goal and mission.

Sincerely.

Aaron Simon Calderón Cumpa

President

2019-2020 Boards of Officers

SME San Marcos Student Chapter

Secretary's Report

I was chosen to be the secretary of the SME Student of the San Marcos Chapter for 2019-2020 and I am very grateful for trusting me and giving me this opportunity. Working for the chapter was an experience that allowed me to learn a lot about the mining industry and helped me meet new people. We continue and improve on the predecessors in some respects, and we are confident that this chapter will have more achievements soon.



This year it was proposed to train our members more strongly in the so-called SME TALK, where experts from different areas of mining were invited to share their knowledge with the members of the chapter in a very friendly and horizontal way, sharing coffee rates, every Monday at 6pm. Following a list of topics that are key points for mining, such as mining laws, geo mechanics, mining planning, among others. In this way, we learned about the experiences lived in the mining units and of having critical thinking with real cases, deepening and applying the theoretical knowledge received in the classes. I hope that over time they continue doing this activity and that they improve it even more, since it contributes and complements professional training.

On the other hand, we work in the management for the realization of a mining grill, integrating the previous board of directors of the San Marcos SME of graduates to share a barbecue, exchanging ideas and experiences on how to improve the chapter, proposing that they will be developed each year this year. type of activities to have greater communication with graduates.

Work was done on organizing visits to mining centers and conferences for all our members. All this could be developed with the support of our university authorities.

Finally, being part of the current committee has been one of the most rewarding. I am happy to be part of this year's SME San Marcos team and help the Chapter develop further. We know that with effort, patience and dedication the objectives are achieved.

Brayan Josué Sullca Pinares

Secretary

2019-2020 Boards of Officers

SME San Marcos Student Chapter

Treasurer's Report

I really enjoyed my life be a part as SM where I meet people of different career and grade.

We involved the students of metallurgical engineering in our chapter and we got good results.

We are also involved in participating with our graduates, promoting fellowship, as well as the participation of students in maintaining our beloved place where we count



the presence of both students and graduates in the meetings we have held. We have accomplished goals as well as have fun doing it.

I am proud to belong this chapter, you can already tell me how incredible the mining industry is and the opportunities they can offer us.

Sincerely.

Luis-Fernando Joel Haro Jara Treasurer

2019-2020 Boards of Officers

SME San Marcos Student Chapter

SME Student Chapter Membership Roster

In this period, we have had 57 members.

Members

Franco Malpartida	Giancarlo Espejo	William Miranda
Alcides Peña	Brayan Sullca	Jorge Vizarres
Alexander Rivera	Yordi Aguilar	Carlos Pañura
Rubi Rupay	Aaron Calderón	Kevin Genebrozo
Edwin Hidalgo	Alejandro Rojas C	Sergio Espinoza
Rodrigo Angeles	Antony Amambal	Brandon Zorrilla
Javier Jara	Christian Portuguez	Malena Arrieta
Edson Susanibar	Jefferson Quispe	Edson Palpan
Jonathan Davila	Juan Astete	Miguel Del Rio
Roque Gonzales	Olivert Janampa	Cesar Sánchez
Jhor Oscoco	George Ccorahua	Bryan Lovaton
Diana Sanchez	Amilcar Galindo	Osnar León
Diana Malca	Luis Quispe	José Delgado
Edson Celis	Jose Salazar	Leonardo Almeyda
Brayan Huaranga	Abner Carhuaricra	Steve Beraún
Franklin Yungure	Abdel Huaman	Esteban Chuquillanqui
Styven Alberto	Angelo Patri	Néstor Izquierdo
Elmer Perez	Jeffry Callupe	José Huamani
Alexis Avellaneda	Bryan Guardia	Edson Reyes

Standing Committees

The committees have had a good performance this period. Engagement new members. Our Committees are the following:

Field Trip Committee

Contact with opportunities to match for visiting mines, mills or others future place of working.

Responsible: Brayan Sullca Pinares

Membership Development Committee

Support to resolve problems from members. They encourage to member to participate in the SME events and chapter activities.

Responsible: Aaron Calderón and Luis Fernando Haro

Program Committee

Empathize with the members interests and build program, planning future activities.

Responsible: Roque Gonzales

Publicity Committee

Design the publicities and share them in social media.

Responsible: Espejo Marcatinco and Brayan Sullca Pinares

Activities Report

T-shirt sales

We continued with the sale of the SME Student Chapter t-shirts which was a success one week we finished selling everything.



12th Technical visit to Cerro Verde

On April 12, the Cerro Verde technical visit, located in the Arequipa region, was successfully carried out. This visit was very important for our members since it was helpful for them to obtain knowledge of the mining company and its intellectual development.



3rd Work Meeting

During the general members meeting, we discussed the following themes: Conduct an economic analysis, organize a raffle to raise funds, evaluate the possibility of opening some courses and submit a summary of the technical visit to Cerro Verde.

As a result, the economical balance was positive. However, we considered that it was necessary to organize a raffle in order to raise funds for future plans and projects. In addition, we set a date for the raffle on May 10 at 5:00 pm.

On the other hand, it was proposed to open courses of Mining Law and English Program. To make that possible, the committee decided to ask for support from the UNMSM Law school and the OGCRI.

After a thorough evaluation, the committee decided to include Kevin Genebrozo in the MEC.

Furthermore, the Cerro Verde technical report was successfully completed.

At the conclusion of the meeting, we scheduled the next reunion for May 31.



10th Raffle

The raffle was held on May 10th at 5:00pm, in order to raise funds for the Chapter. During a previous meeting, the committee decided to donate some books and give them away as a raffle prize. The grand prize for the raffle was a package of 5 books and the second prize winning received a package of 3 books. Everything was carried out on time; we announced the winners and gave them their prize. This activity was performed in a very professional manner, especially thanks to the President of the Chapter and all the members for its support, without whom none of this would have been possible. As a result of this successful activity, S/. 150 (one hundred fifty soles) were raised that will be useful in future projects.

13th Technical visit to Antapaccay

On August 1, the Antapaccay technical visit, located in the Espinar region, was successfully carried out. This visit was very important for our members since it was helpful for them to obtain knowledge of the mining company and its intellectual development.

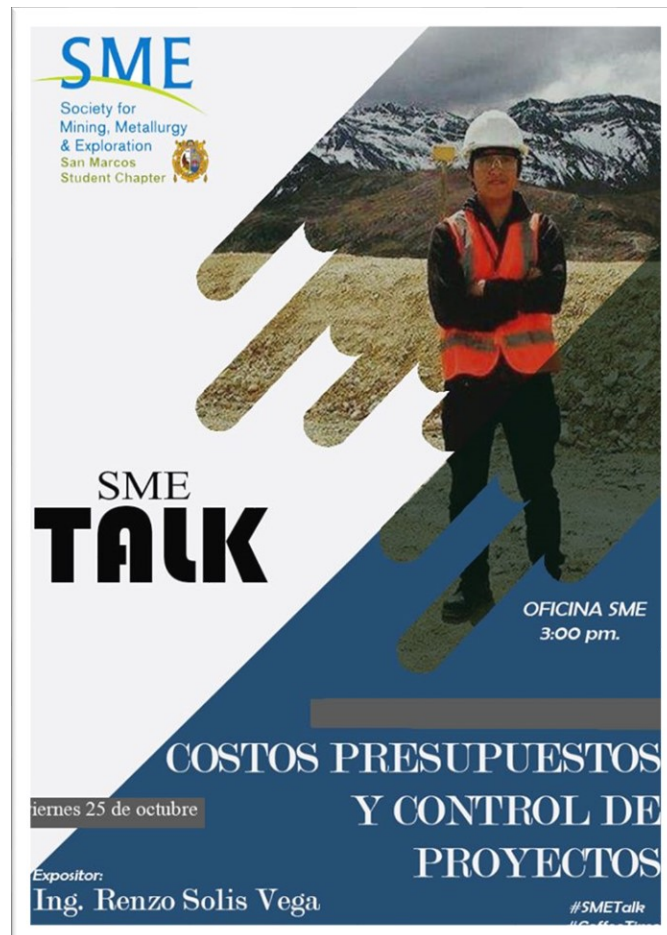
SME talk

"SME talk" is an initiative designed by Brayan Sullca. This is generated due to the need for better and optimal communication with the exhibitor. Here the members had to attend the talks of the area that most interested them. We could also taste sandwiches in our talks and we learned a lot as we optimized communication.

We thank the engineers who supported us!

Engineer Renzo Solis.

In the area of costs and budgets



Engineer Luis Huaroc Rojas.

In the field of blasting drilling



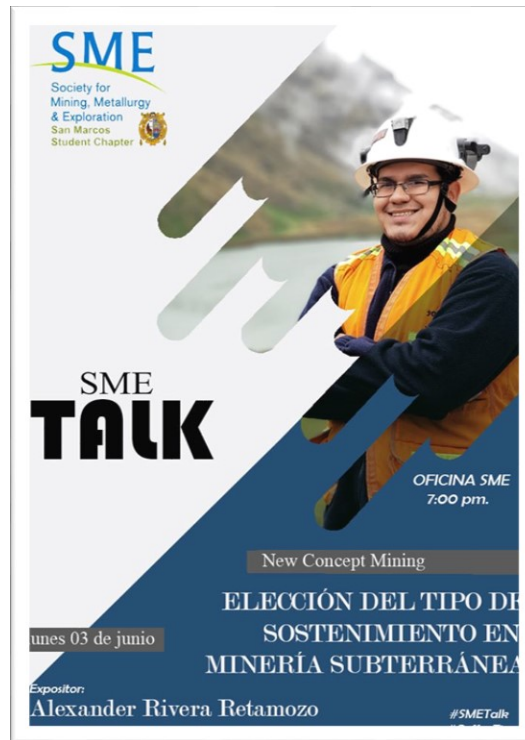
Engineer Luis Felipe Velásquez

In the field of benefits of belonging to SME



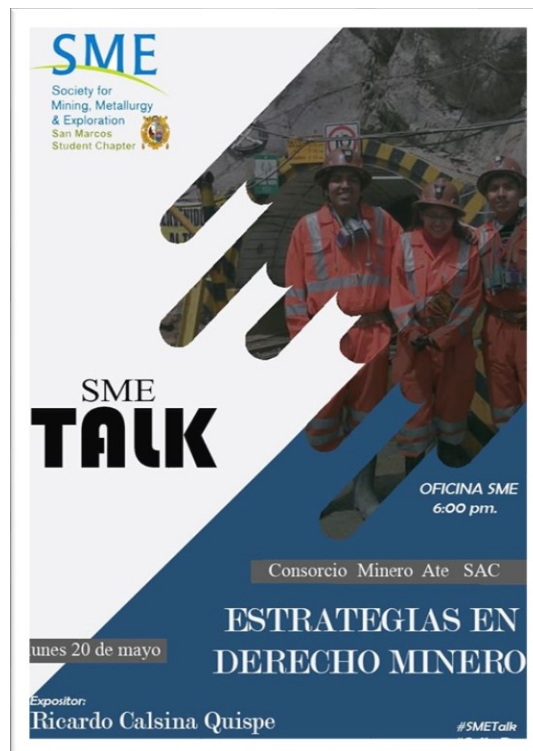
Engineer Alexander Rivera Retamozo

In the field of underground support



Engineer Ricardo Calsina Quispe

In the field of mining law



We also thank **engineer Joel Ojeda** and MyPHor for showing us an innovative shotcrete ally.



Contests report

In the Third SME Mine Planning Contest

Second place in the SME Mine Planning contest.

Members of the winning team:

- Álvarez Salvador Aldo
- Bordo Merino André Renato
- Huamán Molina Abdel
- Gonzales Mera Roque
- Reyes Ordoñez Edson Raí
- Salazar Villareyes José María

All Base 15 students, PAMPACHIRI Project.



“Participating in a contest of this magnitude, while at university, is an incomparable experience. They were days of hard work and a lot of learning where each member demonstrated their strengths and we could prove to be a great team. As a member of the representative team of san marcos. I am happy to have demonstrated that the Sanmarquino miner is up for great challenges.”

Edson Raí Reyes Ordoñez








In the XV CONEIMIN UCSM 2019 (Arequipa)

“The experience gained in the mining debate contest, at CONEIMIN XV, was very pleasant given that I was able to acquire a lot of information on various topics, which I did not know, it was nice to be able to compete together with my teammates, to be able to share ideas and form strategies for achieve the goal we had, which was to win, despite not having achieved it, we gained a lot of experience and why not say we gained knowledge about different social issues, it was a challenge to participate since I had no experience or previous preparation for This type of contest, but I was satisfied with both my teammates and me, we gave the best in each debate.”

Fernando Medina





CONCURSO:
DEBATE MINERO

**LAS SIGUIENTES UNIVERSIDADES
CLASIFICARON A LA SEMIFINAL**

***UNSAAC 1**
***UNMSM**
***UPC 1**
***UFPS**



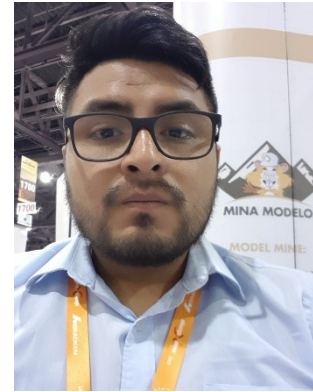
Annual Conference:

Representative: Styven Alberto Blanco

Kind regards everyone, my name is Styven. I am a member of the SME San Marcos Student Chapter. I have been a member since 2015. I have participated for the second time in the SME Annual Conference & Expo | 2020, this time in Phoenix, Arizona.

First of all, I thank the chapter for allowing me to attend this event, this conference got all my expectations and I could learn more about mining, which were fulfilled thanks to the organizers of the event.

At the SME Annual Conference & Expo | 2020 I learned too much from the career with the interaction of great professionals from the sector who were present, exposing and giving their knowledge.



Also, at the event make new friendships with professionals in the sector, businessmen and students from all over the world, who when communicating with them expressed their knowledge to you and encouraged you to continue studying more about the career.

On this occasion, support the Institute of Mines of Peru (IIMP) in its stand by giving information about the main events that will be organized this year and the next in Peru to everyone who came to the stand, we also invited them to be part of the IIMP, since they are present at upcoming events in Peru, such as PERUMIN, PROEXPLO and other events.



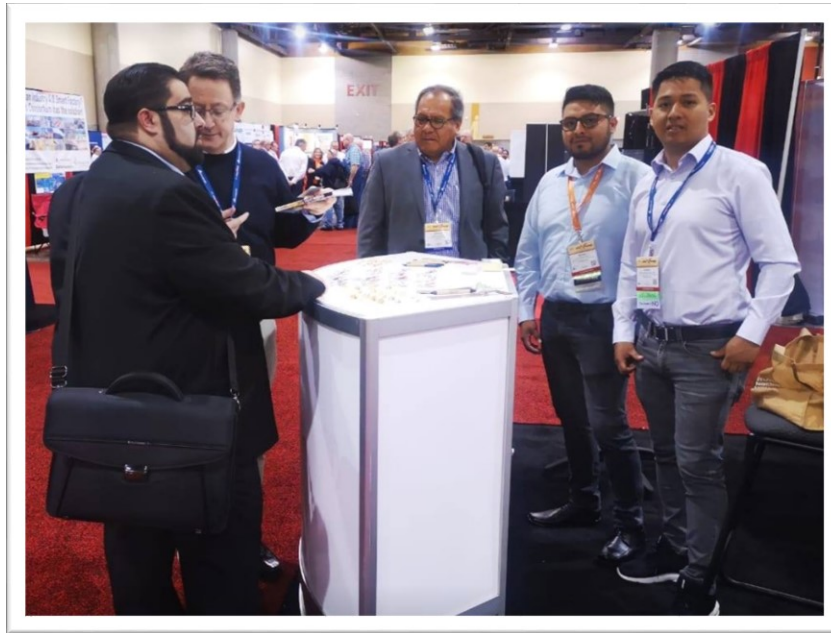


I was also present at meetings with students from different chapters, also at meetings held by companies, such as Komatsu and others.

To the members of the chapter I invite you to participate in the next event, since you learn too much about mining, and you also make friendships that can help you in the future in the workplace

Thanks.









Looking Ahead

2020-2021 OFFICERS

Brayan Josué Sulca Pinares

President

I was elected president of the SME San Marcos student chapter in the current period 2020-2021, and I promise to work with this excellent team of San Marquinos students,

We hope to grow as a student chapter and meet the goals established by the team on behalf of each member, we have plans to improve and complement the learning received in university classrooms in academic and personal and social development with different activities for all, I am sure that the effort and dedication achieve the objectives, and I am very grateful to the people who trust us and we know that we have their support and also the support of our university authorities to work in optimal conditions.

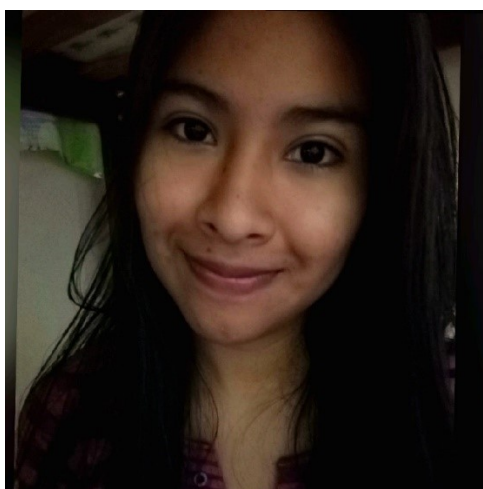


Looking Ahead

2020-2021 OFFICERS

Rubi Katherine Rupay Andamayo

Vice President



Looking Ahead

2020-2021 OFFICERS

CRISTIAN CARTAGENA MATOS

Academic Coordinator Mining

This year I was presented with a great opportunity to join the SME San Marcos Student Chapter Board as Academic Director of Mines for the Student Chapter. Now with this position I have the responsibility to contribute with my team to improve the knowledge and quality of education at my university, with the ultimate goal of contributing to the development of the mining area in my country.

As academic director I plan to contribute to my chapter grow with both hard and soft skills, Foster research and teamwork, promoting and spreading learning and innovations in mining inside and outside my university.

I have high expectations of what we are going to develop as a team this year and I am sure that we will be able to achieve it and improve the SME San Marcos Student Chapter so that it continues to grow.



Looking Ahead

2020-2021 OFFICERS

JUAN DANIEL ASTETE MENES

Academic Coordinator Metallurgy



Looking Ahead

2020-2021 OFFICERS

Luis-Fernando Haro Jara

Secretary

My name is Luis-Fernando Joel Haro Jara and I am the current secretary of SME San Marcos Student Chapter.

It is an honor to belong to this chapter, I'll hope to be an important part of this group. Our plans as SME chapter are make our chapter be important and have an alliance with other SME chapters. I'll hope to get better my soft skills as well as administrative skills in this chapter.

One of the challenge we will face is engaging geological and metallurgical engineering students. In addition, we want to increase our contacts through social networks.

We'll can make academic activities that contribute to the academic development of each student of our faculty, as SME Workshops where training provided by graduates of our university. Also we'll do SME Talks where the graduates tell us our experience in the mining industry..



Looking Ahead

2020-2021 OFFICERS

GEORGE CCORAHUA RODRIGUEZ

Treasurer



Looking Ahead

2020-2021 OFFICERS

Luis-Fernando Haro Jara

Marketing Director

My expectations as a The Board director of SME San Marcos Student Chapter are very high, beyond personal development regarding technical training, networking and the continuous improvement of the soft skills of each member, the main objective is to contribute to the development of mining engineering in our country, since despite being one of the first metal producers in the world, it often lacks the implementation and use of new technologies and tools, all of this due to little research development.



The development of the research by the members of the chapter is one of the fundamental pillars and from my position as Director of Marketing I have every disposition to keep members informed and motivated regarding new technologies in the industry and the problems that we can give alternative solutions; in addition to seeking professional support from graduated engineers and the dissemination of events that allow developing the necessary skills to face these challenges.

All members, in addition to sharing a common passion for mining engineering, prioritize collective learning and teamwork as mechanisms that will allow us to meet the objectives and goals set.

Looking Ahead

2020-2021 OFFICERS

Evelin Y. Huaman Enriquez

WAAIME

