

MAY 2020

2019-2020

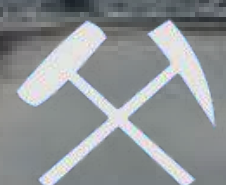
# Annual Report



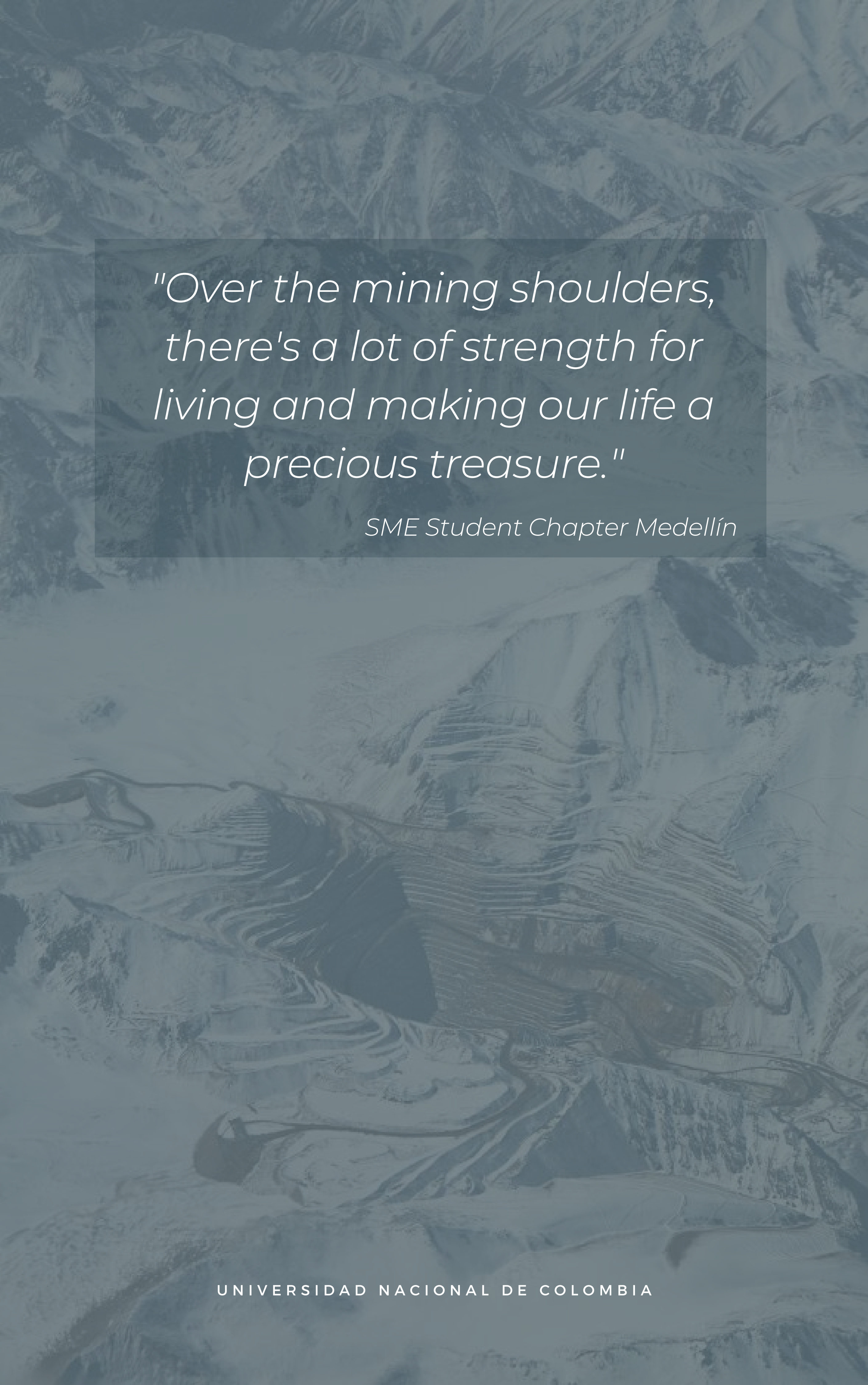
Universidad Nacional De Colombia Sede Medellín  
Student Chapter



UNIVERSIDAD  
**NACIONAL**  
DE COLOMBIA  
SEDE MEDELLÍN



FACULTAD DE MINAS



*"Over the mining shoulders,  
there's a lot of strength for  
living and making our life a  
precious treasure."*

*SME Student Chapter Medellín*





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# 1. INTRODUCTION

It has been an awkward year, full of problems yet unsolved. During the whole 2019, the social protests in Colombia got bigger and harder against government management; those public issues affected directly the right operation of the universities and forced us to stop all academic and administrative activities inside the campus for months. When we finally found the light at the end of the tunnel, and we could reopen the campus and re-start the activities at the beginning of 2020, we got hit by the SARS-CoV-2 (Covid-19). The pandemic trouble is active and uncontrolled now in our country, that is the reason why we are now confined in our houses trying our best to do all the things we planned and return stronger in a few months with the blessing of God.



Even with all those problems, the SME Student chapter - Medellin has been doing everything to keep strong and united the group. In many ways, we have tried achieve our goals and now we are planning a lot of conferences and virtual workshops that will join the other face-to-face activities we have done. Every dream we had and every task we did, are all explained in the following report, as a show of our increasing desire to become better each year.

The SME student chapter – Medellin is honored to show the balance, all the activities, and general financial management of the chapter for the year 2019-2020.

**Julian Chacon Lopez**  
SME Member and former treasurer  
Current students' representative



## 2. SME REPORTS

### 2.1 PRESIDENT’S REPORT

I have had the opportunity to be the president of the SME Student Chapter of the Universidad Nacional de Colombia – Sede Medellin, it has probably been one of the most fulfilling and rewarding experiences during my time at the university and in my training as Mining & Metallurgical Engineer. During my period as a president between 2019 and 2020, I tried with all my effort to do the activities and events which could strengthen the relationship between the SME Student Chapter and the students of the faculty. My objective always was to keep strong and active the next generation group of leaders for the next directive positions, and leave a very important legacy inside the freshman students, because they have always been the ones who have made grow the student chapter for all those years.

Into the things we were able to do during the current year of administrative activities, we have achieved a series of programmed activities but due to the current state of affairs other activities are yet to be done. It is important to highlight, as always, our participation in the Annual Conference and Expo 2020; this year we had the biggest delegation in our history who could attend to this important mining global event. We hope to keep this kind of participation each year at the Annual Meeting.





We had a series of conferences by graduated students and ex-members of the student chapter who taught us about their studies and current jobs; meetings with active members were done including the expected and relevant meeting with the freshman students and the new members; meeting activities for fun as the picnic, sale of hot dogs, delivery of group official items and clothes, and give away of the gifts brought from the Annual Conference. This year, efforts were made to last over time, hopefully. We highlight the “SME Young Talent Program” created with the vision of integrating the people who are interested to be part of an investigation group, so we could contribute to the industry through science. A year marked by academic difficulties, but always in search of achieving our biggest goal: Integrate the students and get them close to their classmates and the mining industry.

During this period we got affected by many problems out of our control like the stop of activities in the fall semester 2019, the cancelation of the 2020-1 semester, and the pandemic that is affecting the world. Those events made us stop all face-to-face activities we have planned. When we finally solved the academic troubles, we got back to classrooms, but not for too long because of the pandemic; we had to stop classes again. On this occasion we decided to continue all the activities we have planned, but we had to do it in a virtual way.

Despite those difficulties, all of our arrangements were still on road and the encouragement to make them reality never left us; Virtualize the activities demands a lot of time and very good planning, but all of this is possible if we can count on a good teamwork. We left many activities waiting to be done with the University and we hope the next directorate will make it real, activities like “Segunda Semana Técnica: Minería Sostenible” (Second Technic Week: Sustainable Mining), the SME Young Talent Program, the conference “¡Esto es la minería!: De la mina a la ingeniería, y de la ingeniería la vida.” (This is mining! from mine to the engineering, and from engineering to the life.) And the “Godparents Plan”.

During this period 18 new students were enrolled in the student chapter buying the SME Membership, we hope those ones will renovate the next year and new members get enrolled too. We also received 22 new members.

Finally, I want to thank to my colleagues on the board of directors and my leaders teamwork, who stayed with me and helped me during this period. To our guide and faculty advisor, Oscar Jaime Restrepo Baena for his good humor and his willingness to support us in every activity, and to each member of the group for always participate in our activities.



**Daniel Valencia Cruz**

President of SME Student Chapter Medellin 2019 - 2020  
Student of Mining and Metallurgy Engineering  
Universidad Nacional de Colombia, sede Medellin



# 2.2 TREASURER’S INFORM

## SME REPORTS

During the period between 2019 and 2020, as a treasurer of the SME Student Chapter Medellin, I have had the opportunity to take care, manage and invest the Student Chapter financial resources. I received the treasurer management from Henry Baena, with an economy balance of 1’882.000 COP (500-540 USD). This year has been different because of various difficulties we had with the university; however, we have been doing a giant effort inside the group so the economy of the Student Chapter could stay balanced and strong. We have potentiated the group with the enrolment of several groups of new students, in this way, we have had good earnings by the participation of the students in some activities as the hot dogs sale, for example.





We have used our money to cover some costs too, the paperwork, transport, etc. With the will to create fun and functional spaces where we could talk about the student chapter and our future and current projects. Today, the group's money resources are almost at the same point in comparison with the last countable period. We hope to grow and earn more for the year to come and we expect mining companies to support us with the next activities for a better profit in the middle of 2021.

SME STUDENT CHAPTER MEDELLIN - COLOMBIA: TREASURY BALANCE			
Saving Account # 007-7537-301-6			
Bancolombia			
Date	Event	Money Transaction (COP)	Balance (COP)
9/01/2019	Treasury funds	1'882.000	1'882.000
09/25/2019	Orica workshop, paperworks and stuff	-15.000	1'867.000
09/27/2019	Integration party	60.000	1'927.000
10/15/2019	Picnic	-182.000	1'745.000
10/25/2019	Loan for Membership payment	598.950	1'146.050
11/15/2019	Hot Dogs Sale	60.000	1'206.050
11/20/2019	Office stuff, taxi carry	-6.000	1'200.050
12/15/2019	Memebership Payment	598.950	1'799.050
01/15/2020	Official clothes Payment (1/2)	-551.000	1'248.050
3/01/2020	Sandwich, hike and taxi payment	-100.000	1'148.050
03/14/2020	Food festival (brownies) integration	-40.000	1'108.050
05/24/2020	Official clothes Payment (2/2)	725.000	1'833.000



**Paubla Andrea Gallego López**

Treasurer of SME Student Chapter Medellin 2019 – 2020  
Mining and metallurgical engineering student  
Universidad Nacional de Colombia, sede Medellin.



## 2.3 SECRETARY’S INFORM

### SME REPORTS

During the academic period, a lot of meetings were held to announce to the members all the activities we were going to develop, the already developed, and to try to motivate them to participate a lot in the group’s activities. The structure of the meetings did not change: First, the members of the board of directors made a welcome greeting with a short presentation of themselves; then, they asked new members to do the same. After this, the activities and projects were explained as well as the new ideas or proposals for the short, medium and long term. Then, round of opinions were open for the members where they could express their ideas about the way activities may be done; Activity leaders were chosen to be the head of the group and to always be aware of the program and teamwork development.





Finally, all the members started a conversation about themselves and their academic interests so the seniors and junior students, helped the freshmen and sophomore ones with their questions, tasks, subjects and exams.

At the beginning of the academic period a series of meetings were proposed twice a month, because fifteen days seemed to be enough to advance in the projects. But, with the troubles we had in the 2019-2 period, we decided to do a meeting per month, and only if the situation was appropriate.

THE MEETINGS DONE DURING THE ACADEMIC PERIOD WERE:



**Date**

09/21/2019 - Hour: 01:00 pm

**Place**

Bloque M6, Facultad de Minas -  
Finca “Las Mercedes”

**Number of Attendees**

37 people

**Topic**

Semester welcome to the Student  
chapter members



**Date**

10/15/2019 - Hour: 04:00 pm

**Place**

Bloque M3, Facultad de Minas

**Number of Attendees**

23 people

**Topic**

Teaching Kids Project re-start and  
activities exposition





**Date**  
11/19/2019 - Hour: 12:00 pm

**Place**  
Bloque M3, Facultad de Minas

**Number of Attendees**  
17 people

**Topic**  
Official clothes design proposal and  
programed activities socialization



**Date**  
02/03/2020 - Hour: 01:00 pm

**Place**  
Bloque M3, Facultad de Minas

**Number of Attendees**  
18 people

**Topic**  
Welcome to group members, delivery of  
clothes and official stuff and budget for  
Annual Conference trip





**Date**  
03/14/2020 - Hour: 12:00 pm

**Place**  
Bloque M6, Facultad de Minas -  
Finca “Las Mercedes”

**Number of Attendees**  
23 people

**Topic**  
Annual conference experiences of the  
members who were in Phoenix; New  
groups conformation; 3rd Mining  
Students National Meeting



**Date**  
05/01/2020 - Hour: 02:00 pm

**Place**  
Home, sweet home – Google Meet

**Number of Attendees**  
26 people

**Topic**  
Activities to do during quarantine; 3rd  
Mining Students National Meeting,  
postponement; 1st Mining Students  
National Virtual Meeting, proposition

Inside the student chapter, there are different positions and there are people who have different functions. In addition to this, there is a four-people group with the mission of being the directive head of the group and the legal and visible face to the University and the organization inside and outside the country. Those people are: The President, Vice-president, Treasurer and Secretary of the group.



# Board of directors

2019



**Secretary**

*Luis Alejandro  
Rivas Mosquera*

**Treasurer**

*Paubla Andrea  
Gallego López*

**President**

*Daniel  
Valencia Cruz*

**Vice-president**

*Juan Pablo  
Carmona Pérez*



The rest of the SME Student Chapter Members are:

SME Student Chapter Mambers			
Name	E-mail	Academic Year	Major
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Carmona Pérez, Juan Pablo	jpcarmonap@unal.edu.co	Junior	Mining and Metallurgy Engineering
Gallego López, Paubla Andrea	pagallegol@unal.edu.co	Junior	Mining and Metallurgy Engineering
Rivas Mosquera, Luis Alejandro	luarivasmo@unal.edu.co	Junior	Mining and Metallurgy Engineering
Restrepo González, Natalia	nrestrepog@unal.edu.co	Junior	Mining and Metallurgy Engineering
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**Luis Alejandro Rivas Mosquera**  
Secretary of SME Student Chapter Medellin 2019 – 2020  
Mining and Metallurgy Engineering  
Universidad Nacional de Colombia, sede Medellin



## 3. Activities inside and outside the campus

### 3.1 WELCOME PICNIC



**Date:** 09/21/2019

**Place:** Bloque M6, “Finca las Mercedes” - Campus Robledo – Universidad Nacional de Colombia, Sede Medellín.

This was the first meeting of the current board of directors. The idea of this meeting was to invite new students to the student chapter and advertise the plans and projects for the next period; we did it in a quiet environment with some pizza to share with each participant. This activity was very well received by first semester students interested in the chapter. The meeting began with the presentation of the new board of directors and a few words from each of its members. Then each student introduced themselves, discussed how they knew about the chapter, and what expectations they had about it.

First the freshmen students and those who were attending a chapter meeting for the first time, talked about what the chapter meant for each of them; then, the students with more experience in the chapter spoke about their experiences, and the benefits that this chapter had generated throughout their careers. Also, the committee’s conformation was discussed and new students were invited to join those committees. Then, the pizza was distributed, new students could talk in a more personal way to students with more experience. To end the meeting, items donated by students who attended the SME Annual Conference & Expo 2019 in Denver, Colorado were raffled. At the end of the raffle, the meeting was concluded.



# 3.2 WORKSHOP ORICA “EFFICIENT BLASTING AND SAFE USE OF EXPLOSIVES”

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Organizations:** SME Student Chapter Medellin, National University of Colombia & Orica Colombia

**Speaker:** Ing. Andres Camilo Mesa

**Date:** 09/24-25/2019

**Place:** Alejandro López auditorium, School of Mines

WORKSHOP - Voladura eficiente y uso seguro de explosivos

CONTENIDO

Módulo 01  
Conocimiento sobre explosivos y Programa de Graduados  
Para alumnos de Ingeniería Química e Ingeniería de Minas\*

Módulo 02  
Aplicación de explosivos en voladura de roca  
Para alumnos de Ingeniería de Minas\*

Módulo 03  
Nuevas tecnologías de diseño de voladura  
Para alumnos de Ingeniería Química e Ingeniería de Minas\*





**1er WORKSHOP**  
*Voladura eficiente y uso seguro de explosivos*

24 y 25 de Septiembre  
14:00 – 16:00hrs  
Auditorio Alejandro Lopez  
(Universidad Nacional de Colombia)

Inscripciones via link

Orica Colombia invita los alumnos de Ingeniería de Minas e Ingeniería Química\* de la Universidad Nacional de Colombia para el

1º Workshop Voladura eficiente y uso seguro de explosivos  
100 % gratuito

Orica es una industria química que fabrica explosivos y soluciones técnicas para la minería. Queremos proporcionar conocimientos técnicos a los estudiantes, por medio de un Workshop único para aprender sobre explosivos, voladuras y nuevas tecnologías.

Esperamos verte!



GRADUATE SUSTAINABILITY COMMITTEE

\*Sera abierto a los alumnos de Ingeniería Química solo el Módulo 01 – Conocimiento sobre Explosivos.

The workshop was divided into two days and 3 modules, each of these modules focused on a topic: the first of them was about the knowledge of explosives; their history, composition, preparation and the different types that exist. Also, they explained about the graduate program, how to apply to it, and its many benefits.



In the second module, geotechnics was studied in more depth; was discussed the topic of the application of explosives in rock blasting, explaining the requirements that blasting must comply with according to the type of rock and the characteristics of the rock mass.

Finally, the third module considered the new technologies that have been applied in blasting design today, technologies that have brought great benefits in mining activities.





# 3.3 INTRODUCTION FOR FRESHMAN STUDENTS

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 02/26/2020

**Place:** Classroom 110/43 Campus “El Volador” - National University of Colombia- Medellin.



This is an activity that is done every semester, it consists of going to the class “Introduction to Mining and Metallurgy Engineering” and give an induction to first semester students about what the SME chapter is, its objectives in the university and the activities we do. The purpose is to encourage first-semester classmates to become a part of the group and learn about the benefits they could get in their time at the university and their trainings as mining and metallurgical engineers.

The talk consists of a description of what is the SME at the international level, the history of the chapter and all the activities that the group has done for so many years, ending with the registration of students interested in being members of the chapter.



# 3.4 URBAN ART FESTIVAL - “BIENESTAR UNIVERSITARIO UNALMED”

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 11/15/2019

**Place:** “Bloque M10” School of mines

The University through “bienestar universitario” carried out the Urban Art Festival activity in which some student chapters of the University participate, including our attendance. The principal main of the event was the integration of the university community through the delivery of an award in an art contest, the presentation of dance groups, and the sale of food. Through this event, the student groups get involved with the community and they had the opportunity to share a funny moment. Our chapter, SME, participated in this event with the sale of hot dogs, and with this we also collected funds for subsequent activities.





## 3.5 WORKSHOP “ORGANIZACIÓN Y LOGÍSTICA DE EVENTOS”

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Organizations:** Communications office - Facultad de minas

**Date:** 02/14/2019

**Place:** Bloque M6 facultad de minas, Universidad Nacional de Colombia sede Medellín

This event was carried out by the communications office of the Facultad de Minas to teach us the correct way to manage, organize and execute projects within the university according to its rules and protocols. In this workshop we share with the other student chapters and nurseries of the faculty, expanding our social ties and seeking to cooperate in future projects.

We also learned communication, design and dissemination skills to improve the image of our chapter in the social, academic, labor, political and cultural spheres.





### 3.6 STUDENT GROUPS FAIR – “BIENESTAR UNALMED”

## ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 02/14/2020

**Place:** Bloque 44, Edificio Ágora – Universidad Nacional de Colombia

The SME Student Chapter participated in the Student Groups Fair where each group had a place with a stand. We presented some elements with the thematic of our group like photos, posters, books, souvenirs, mineral samples, etc. To people interested in our stand and then, some student members explained to them the minerals and remaining items. The presentation was done in this way: First, we talked a little bit about the SME, the international organization and the history of the Student Chapter at the University.

Then, we presented the different projects and ideas, done by the Student Chapter inside and outside the University. Finally, we tried to talk about mining and its importance in our lives, because most the people still have a bad perception of the mining process. When the presentation was concluded, we raffled some of the souvenirs with questions about the presented topic and then we invited the people to join the Student Chapter by gathering their contact information.





# 3.7. CONFERENCE “MASTER IN GEOTECHNICS AND GRADUATE OPPORTUNITIES IN NEW MEXICO TECH INSTITUTE”

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Organizations:** SME Student Chapter Medellín, National University of Colombia & New Mexico Tech Institute Speaker: Ing. Catalina Vanegas

**Date:** 01/27/2020

**Place:** Alejandro López auditorium, Facultad de Minas



Through this conference, the engineer Catalina Vanegas, a graduate student from our faculty, introduced us to her master's studies which are focused on geotechnics, one of the most important areas that mining engineering has; her master is based on the concept of block submerged mining in a specific case study. In addition to this, she shared her experience as a student in another country, the postgraduate opportunities that we could have through the university and the institute New Mexico Tech, her experiences and learning during her time at the Institute. Finally, some gifts sent by the institute were raffled and a snack was given to all the attendees.



### INVESTIGACIÓN DE MAESTRÍA EN GEOMECANICA Y OPORTUNIDADES DE POSGRADOS EN NEW MEXICO TECH

El capítulo estudiantil SME Student Chapter Medellín, los invita a participar de la conferencia a cargo de la Ingeniera Catalina Vanegas Palacio, quien nos contara sobre su investigación de maestría en geomecanica y su experiencia estudiando en el New Mexico Tech Institute



FECHA: 27 DE ENERO DE 2020  
HORA: 2 PM  
LUGAR: AUDITORIO ALEJANDRO LÓPEZ BLOQUE M3-218



# 3.8 MEETING - DELIVERY OF OFFICIAL CHAPTER T-SHIRTS AND GROUP PHOTO

## ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 02/03/2020

**Place:** Bloque M3 – Facultad de Minas

This meeting was done at the beginning of the academic period to deliver some of the official t-shirts of the Student Chapter and get some fundraising for the next activities and projects. First, we had the presentation of the new members from the majors of Geological engineering and Mining and Metallurgy engineering who have been interested to join us.

Then, we spoke about the programmed projects during the semester; the 3rd Mining Students National Meeting, the budget to attend the annual conference and, the proposal of some members to more interactive meetings like picnics or movie nights.

After that, the official clothes were delivered to the students; it was a clear gray t-shirt with the name and logo of the SME Student Chapter, the university, the school and finally, the major which could be Geological engineering or Mining engineering. Then, we went to the M5 building and to the Pedro Nel Gomez maximum auditorium where the official photos were taken, with the members wearing the official t-shirt.





# 3.9 ANNUAL CONFERENCE, POSTER CONTEST & MOVE MINING COMPETITION

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 23/02/2020 - 25/02/2020

**Place:** Arizona, EEUU

This year we had the biggest delegation in our history who attended this important mining global event. We participated in the Move Mining Competition, which was won by this student chapter to years ago and has participated in the finals since then; and the student poster contest, in which we earned top places.

## Move Mining Competition – MIG Project

We had the opportunity to participate again with a good project with a real impact on mining and society. It is called the MIG Project. This initiative, which its acronym in Spanish means “Mujeres, Ingeniería y Geociencia” (Women, Engineering and Geoscience), was born in 2018 with the objective of making visible the role of women in mining, and show those testimonies to the University community and those who want to join the experience.

The method was based on giving to the attendees a conference full of life experiences and motivation specially focused on young women who can see those testimonies as an example to improve themselves. We are convinced that the 21st-century women have all the capacity to be a leader achieving a progressive social transformation.

The project was on the top five group of the final and despite not being among the three finalists, it was a wonderful experience with a lot of knowledge taken from the entire Move Mining competition.





Poster Contest

This year three members of the SME Student Chapter Medellin participated in the Mineral Processing Division student poster contest, Laura Amaya, Nicolas Oviedo and Ernesto Maldonado; this last one winning the third place.

Furthermore, for us as a student chapter it is important to highlight that several students who belonged to the SME Student chapter of the National University of Colombia have been able to participate in the different categories of the student poster contest such as the Environmental and graduate poster contest.





# 3.10 ECOLOGICAL WALK THROUGH “CHORRO DE LAS CAMPANAS” AND “SALTO DEL ÁNGEL”

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 03/01/2020  
**Place:** El Salado ecological park, Envigado, Antioquia

This day we wanted to do a sporty and healthy activity away from the noise and stress of the city. Our objective was to change the classroom for the environment and do something different from what the academy offers. We were in a forest reserve surrounded by trees, wildlife and two wonderful waterfalls. We had great participation from the chapter members who worked hard to make this journey through the mountains possible.

Our guide was a member of the chapter and in his free time he enjoys those activities; with his guidance, we shared a magnificent experience climbing in the middle of the forest. We enjoyed this day with the soft breeze of the water and with the company of the members of the SME Student Chapter.





# 3.11 MEETING – GIFTS AND SNACKS

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 03/14/2020  
**Place:** Bloque M6 – Finca las Mercedes

In this meeting, new students were integrated into the chapter, most of them from the first semester of Mining and Metallurgical engineering. Additionally, we wanted to share with new and old members of the chapter the experience of attending the 2020 Annual Conference & Expo by those students who participated in it. We did a raffle of mining souvenirs brought from the annual conference. A snack was shared and we discussed the future activities that will be carried out. Unfortunately, it was the last face-to-face meeting before starting COVID-19 pandemic.





Universidad Nacional de Colombia Sede Medellín  
Student Chapter

PRÓXIMA REUNIÓN

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 **SÁBADO 14 DE MARZO**

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*Finca Las Mercedes* | 12:00 PM  
Bloque M6 - Facultad de Minas

---

 @smemedellín  
 @smeunalmed  
sme\_med@unal.edu.co

- Experiencia en Anual Conference 2020 SME
- Proximas actividades
- Conformación de comités
- Rifas de recuerdos mineros
- Refrigerio (Traer una sábana para sentarse)

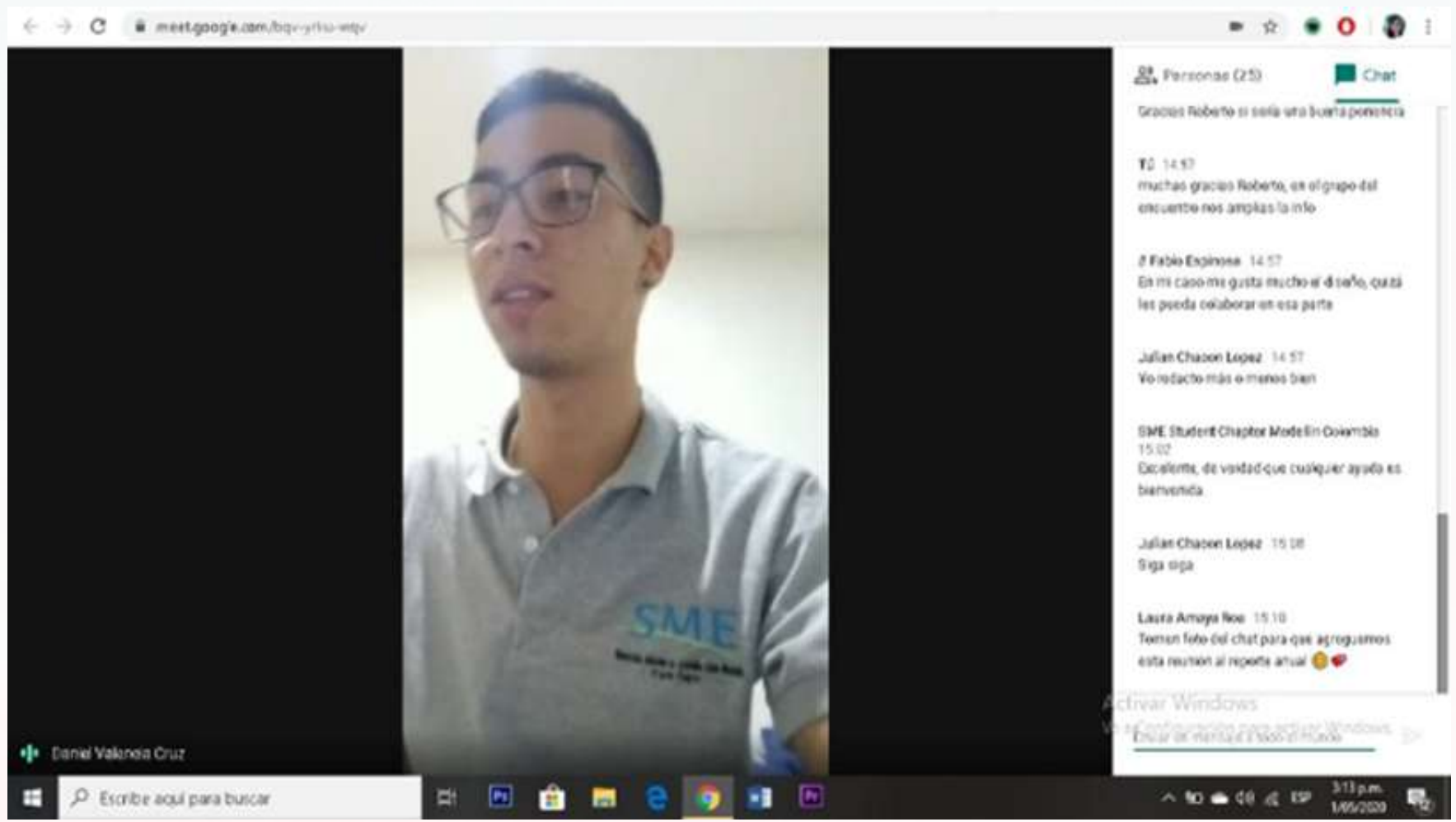


# 3.12 VIRTUAL MEETING

## ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 05/01/2020  
**Place:** Home, sweet home – Google Meet

Due to the emergency of the current pandemic by COVID-19, the mandatory quarantine that was established throughout the country, diffculted the development of the activities proposed for the chapter, including the periodic meetings in-campus. In concordance of that, a virtual meeting was prepared via Google Meet, with the attendance of 26 people. In this meeting some activities that will be developed virtually were discussed, and it was a space of interaction between the members of the chapter, and an opportunity to welcome the new members.





## 3.13 STUDENT INITIATIVES ANNOUNCEMENT 2020

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Organization:** Bienestar Universitario – Facultad de Minas.

This announcement for projects, is carried out by “Bienestar universitario” and its objective is to provide financial support to initiatives presented individually by the student groups of the school of Mines. From the SME student chapter, we presented a great academic and social project that consists of making two presentations: The first one with a topic about the importance of mining in our lives and the professional careers of the school of Mines, and the other one, with a photographic exhibition of successful cases of mine closures and social work done by mining companies. The proposal is currently in the verification process.





# 3.14 FACULTY OF MINES STUDENT GROUPS COMMITTEE MEETING

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Organization:** Bienestar Universitario - Facultad de Minas

**Place:** Finca Las Mercedes, Bloque M6 Facultad de Minas



At the beginning of the year, the area of Bienestar Universitario decided to get together all the student groups of the school of Mines and create with the participation of all of them the "Committee of Student Groups of the Faculty of Mines", this with the purpose of having all the groups united and in constant communication to provide academic and social support.

They have already done several meetings that defined the main purpose of the committee that is meant to unite all students of the faculty in activities of collective academic and social benefit. They have also created statutes for the proper functioning of the committee.



# 3.15 STUDENT GROUPS COMMITTEES WORKSHOP

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Organization:** Bienestar Universitario - Facultad de Minas  
**Place:** M3 building – Facultad de Minas

There are a series of workshops that have been organized by the committee of student groups. Those workshops were made with topics proposed by the faculty and in concordance with the university's sustainability agenda, leadership, communication, project management, finance and management of resources, advertising among others.

Most of those workshops have been organized by Bienestar Universitario and they are the ones who dictate each one. But, there are going to be workshops where each student group shows their strength and how they can help other groups.



## TALLER: AGENDA 2030

 **OBJETIVOS**  **DE DESARROLLO SOSTENIBLE**

1 FOR DE LA POBREZA	2 HAMBRE CERO	3 SALUD Y BIENESTAR	4 EDUCACIÓN DE CALIDAD	5 IGUALDAD DE GÉNERO	6 AGUA LIMPIO Y SANEAMIENTO
7 ENERGÍA LIMPIA Y ACCESIBLE	8 TRABAJO DECENTE Y CRECIMIENTO ECONÓMICO	9 INDUSTRIA, INNOVACIÓN E INFRAESTRUCTURA	10 REDUCCIÓN DE LAS DESIGNAIDADES	11 CIUDADES Y COMUNIDADES SOSTENIBLES	12 PRODUCCIÓN Y CONSUMO RESPONSABLES
13 ACCIÓN POR EL CLIMA	14 VIDA SUBMARINA	15 VIDA DE ECOSISTEMAS TERRESTRES	16 PAZ, JUSTICIA E INSTITUCIONES SÓLIDAS	17 ALIANZAS PARA LAS ODACTIVIDADES	 <b>OBJETIVOS DE DESARROLLO SOSTENIBLE</b>

*Como parte del plan de formación para Grupos Estudiantiles, la Dirección de Bienestar Universitario los invita a participar del taller sobre Objetivos de Desarrollo Sostenible, que facilitará la alineación de las iniciativas con la Estrategia de Campus Sostenible.*

**Fecha:** lunes 2 de marzo.  
**Hora:** 12 m. a 2 p.m.  
**Ubicación:** M3 - 223

Informes: [fminiciest\\_med@unal.edu.co](mailto:fminiciest_med@unal.edu.co)

Facultad de Minas  
Sede Medellín



UNIVERSIDAD NACIONAL  
DE COLOMBIA



# 3.16 STUDENT GROUPS FAIR – “BIENESTAR UNALMED”

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 02/14/2020  
**Place:** Bloque 44, Edificio Ágora – Universidad Nacional de Colombia

### Técnicas de liderazgo

16 agosto | Hora 10:00 a.m.

Auditorio Bloque 50A. 2 piso

Mayores informes: correo: [gruposet\\_med@unal.edu.co](mailto:gruposet_med@unal.edu.co) / teléfono: 4309688

Sección de Acompañamiento Integral  
Dirección de Bienestar Universitario  
Sede Medellín



inscripciones  
[www.sibu.unal.edu.co](http://www.sibu.unal.edu.co)

Bienestar un

UNIVERSIDAD NACIONAL DE COLOMBIA

It was a workshop done by Bienestar Universitario, in order to present and publicize all the student groups the University has. The main objective of the workshop was to manage leadership in groups, good communication and project management. The workshop was based basically on games and a lot of fun integration with the other student groups.





# 3.17 PROMOTER COURSE – “PREVENCIÓN DE SEGURIDAD Y SALVAMENTO MINERO”

## ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Organization:** SME Student Chapter Medellin & Agencia Nacional de Minería (ANM)

This is a very important course for the mining industry that, we consider, must be a mandatory class for all the students but, it is a great void within the mining engineering coursework offering. Due to this, the SME Student Chapter has been looking for months the way to offer this course for Student Chapter members with the help of the Agencia Nacional de Minería (National Mining Agency), especially focused on senior students. Unfortunately, this coursed was programed for May 26th and 27th, and it couldn't be done. This event must be done face-to-face, so we hope we can do it when the pandemic issue ends.






# 3.18 SME YOUNG TALENT PROGRAM (SEMILLERO SME)

## ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS


**Organization:** SME Student Chapter Medellin

This project has been done with the Oscar Jaime Restrepo Baena teacher’s support, with the objective of integrating an investigative program into the Student Chapter. Currently, the program is enrolled with the university and now we are on the “projects formulation” stage. In addition to this, we are invited to do a presentation in the 8th Institutional meeting and 7th local meeting of young talent programs organized by Universidad Católica Luis Amigo.



UNIVERSIDAD  
NACIONAL  
DE COLOMBIA

Dirección de Investigación y Extensión



8º ENCUESTRO INSTITUCIONAL y

7º DISTRITAL DE SEMILLEROS DE INVESTIGACIÓN

27, 28 y 29 de agosto de 2020

¡Participa con tu ponencia y tu semillero!

¡Seguimos trabajando en nuestra convocatoria al encuentro!

Esperamos tus ponencias, estamos revisando alternativas de participación como modalidad virtual, teniendo en cuenta la situación por la que nuestro país está atravesando.

¡Estaremos comunicando!

¡Ampliamos la fecha para recibir tus ponencias!

Fecha	Actividad
31 de enero	Apertura de la convocatoria: recepción de ponencias.
15 de Junio	Cierre de Convocatoria
Junio 20 a Julio 2	Evaluación de ponencias
8 de Junio	Notificación de ponencias
Julio 9 a Agosto 7	Envío de presentaciones de las ponencias seleccionadas
Agosto 27, 28 y 29	8º Encuentro Institucional y 7º Nacional de Semilleros de Investigación

Formato ponencia

Inscribirme



# 3.19 VISIT AND CONFERENCE OF VIRGINIA TECH UNIVERSITY STUDENTS

## ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Date:** 01/24/2020

**Place:** Alejandro Lopez Auditorium, M3 building – Facultad de Minas

From Virginia Tech University, a group of students belonging to the mining and minerals engineering department, in the company of Nino Ripepi, an expert teacher of security and work health, visited the faculty location. They walked around the faculty in the company of our tutor, Oscar Jaime Restrepo Baena and some undergraduate and graduate students. Two conferences were held by the visitors; the first one, was directed by Nino Ripepi and its main topic was the mining security in the United States and how those strategies could be done in Colombia.

The second one, was directed by the Virginia Tech students and it was a relaxed talk about the mining sector in US, the focus of their university, their academic practices, courses, competitions, the events they have participated, the Burkhart Mining Society Student Chapter and the good opportunities to study at their campus, because of the agreement between both universities.





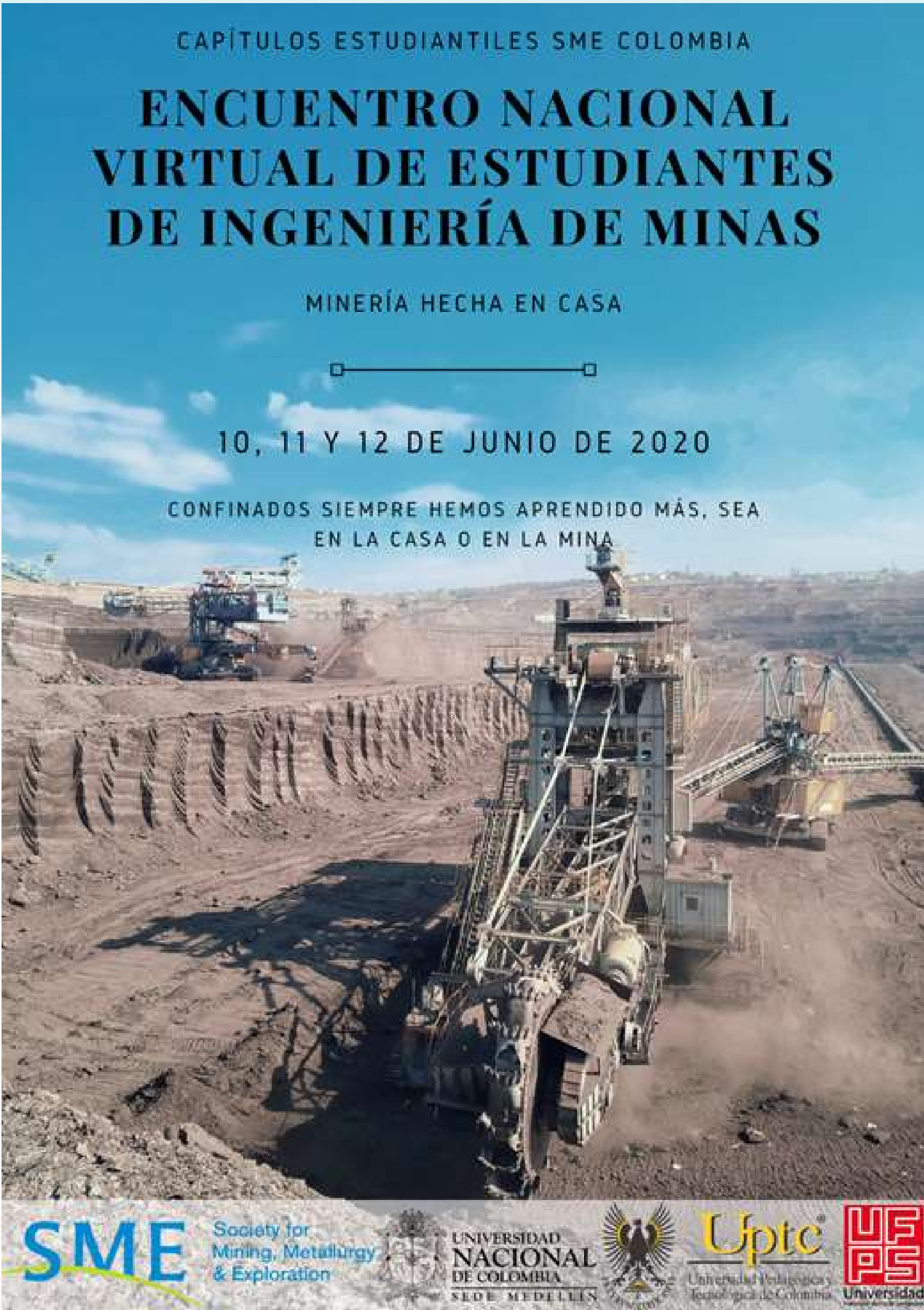
# 3.2 3<sup>rd</sup> MINING STUDENTS NATIONAL MEETING – POSTPONED

ACTIVITIES INSIDE AND OUTSIDE THE CAMPUS

**Organization:** SME Student Chapter Medellin

The Mining Students National Meeting, is an event done for the three most important mining schools in Colombia. The last two meetings were held on the campus of the UPTC and UFPS respectively. So this year was our turn to receive them in our city. Because of the pandemic troubles and the mandatory quarantine, it became an impossible event. Due to that, we created a strategy to make it possible through the virtual tools and we are now planning a three days virtual meeting based on the mutual faculties support.

From June 10th to 12th, each faculty will have an entire day of conferences and workshops at their charge with the topic of “Applied technologies in mining” with teachers and academics from each university. We hope to do the face-to-face meeting in our faculty in May of 2021.






4. ANNEXED

4.1 FACULTY SPONSOR

Decanatura  
Facultad de Minas  
Sede Medellín



UNIVERSIDAD  
**NACIONAL**  
DE COLOMBIA


Medellín, May 21<sup>st</sup> 2020

To  
Society of Mining, Metallurgy and Exploration (SME)  
SME receptions info

As a tutor of the Student Chapter of SME at Universidad Nacional de Colombia, I am writing to show my support to the Annual Report of the SME Student Chapter – Medellin / Universidad Nacional de Colombia of the Society for Mining, Metallurgy, and Exploration for the 2019 – 2020. I have read and review all the information about the activities done during the current period, and I am glad to say that I have attest all.

The current group of students at the head of the student chapter, have demonstrated they have a great desire to grow themselves and do all they propose even with the local politics troubles and global pandemic issues. I fully believe that this report is accurate and correct. I will be ready to give any information and support.

Best regards,



Oscar Jaime Restrepo Baena  
Mining and Metallurgy Engineering  
MSc. Ph.D. - SME/TMS/SOMP  
Professor  
Minerals and Materials Department  
School of Mines  
Universidad Nacional de Colombia  
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Bicentenario

[ Página 1 de 1 ]  
Elaboró: J.Ch.L

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Proyecto *cultural y colectivo* de nación

34



# Thank you.

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Block M5 School of Mines