

2020-2021 ANNUAL REPORT

Universidad Iberoamericana Student Chapter of the Earthquake Engineering Research Institute



Report Date: August 08, 2022

This report summarizes the membership and activities conducted by the Universidad Iberoamericana Student Chapter of the Earthquake Engineering Research Institute during the 2021-2022 academic year.

MISSION & GOALS

The Earthquake Engineering Research Institute at Universidad Iberoamericana (EERI@UNIBE) student chapter was established in June 2019. As a student club our mission is to provide guidance and knowledge in science and earthquake engineering practices for UNIBE students. This in order to improve their understanding of the impact earthquakes have in the physical, social, economic, political and cultural environment, and advocate comprehensive and realistic measures to reduce the harmful effects of earthquakes.

The goals of EERI@UNIBE are (1) to empower a community of students and professionals capable of developing ideas that contribute to the field of earthquake-resistant engineering and (2) to develop awareness of the risks produced by these events, so that they can apply the necessary measures to prevent and mitigate damages and possible losses, especially human life, in our country.

MEMBERSHIP

The Universidad Iberoamericana Student Chapter had a total of 9 members in 2021-2022.

OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
Co-President	Luis Alcántara	31225	alberto_2219@hotmail.com	Undergraduate student
Co-President	Edwardo Baldera	31226	balderamendezedwardo@gmail.com	Undergraduate student
Secretary	Nael Lancelot	31227	naellancelot@outlook.com	Undergraduate student
Treasurer	Eimy Jimenez	31228	ronaldgeraldomelendez@gmail.com	Undergraduate student
Public Relations	Victoria Diaz	31229	karengilpaulino@hotmail.com	Undergraduate student

Board meetings were held every 5 weeks or as needed.

FACULTY ADVISOR & CONTACT MEMBER

Faculty advisor: Dr. Jean C. Guzman Pujols, Adjunct Professor, Universidad Iberoamericana (jeanpujols@gmail.com)

MEMBERS

A complete list of members is shown below.

Name	EERI Member Number	Email	Student Status
Luis Alcantara	32837	alberto_2219@hotmail.com	Undergraduate student
Edwardo Baldera	32838	balderamendezedwardo@gmail.com	Undergraduate student
Victoria Diaz	32918	victoriadiazpp@gmail.com	Undergraduate student
Shary Ramirez	32917	sharyramirez@outlook.com	Undergraduate student
Nael Lancelot	33925	naellancelot@outlook.com	Undergraduate student
Javier Hazim	32839	javierhazim@gmail.com	Undergraduate student
Rose Polanco	33860	rosepolanco77@gmail.com	Undergraduate student
Eimy Jimenez	32836	eimyjiisan@gmail.com	Undergraduate student
Mario Ortiz	30344	marioortiz09@hotmail.com	Graduate student
Biandry Cabrera	31226	Biandrycabrera10@gmail.com	Graduate student

BUDGET & FINANCIALS

Due to COVID-19 restrictions our chapter manage to function without the necessity of a budget. Budget that was used was about \$ 40.00 USD.

CHAPTER ACTIVITIES

Our list of activities began with a presentation meeting, in which the establishment of the EERI-UNIBE chapter, the elected officers and future activities were announced. Then, we started with a dynamic interaction between engineers and architecture which was something new for us to do as a new team. On the other hand, what we did was a meeting with one of the members of the Friedman's lecture. The instructor who shared her knowledge with us was Christine Beyzaei.

FRIEDMAN FAMILY VISITING PROFESSIONAL

Our regular chapter meetings consist in seminars about a specific topic within the engineering field. In this event, which we attempt to hold once a during the academic year, a guest expert is invited to hold a lecture where they present their cutting-edge earthquake engineering/geotechnical engineering related research and professional experiences in the field.

- a) Christine Beyzaei
Member of the Friedman Family
Date: 05/12/2022
Attendance: 32



SEISMIC DESIGN COMPETITION TEAM

This year our team had the opportunity to participate for the third time in the first completely EERI Seismic Design Competition due to the COVID-19 pandemic. This unexpected situation gave us the opportunity to grow and obtain a vast knowledge in seismic performance that will be passed on to future teams. Moving forward, the SDC team continues to learn from the experience, while promoting the competition and recruiting members to strengthen the team.

SDC Team Members

A complete list of members is shown below.

Name	EERI Member Number	Email	Role
Luis Alcantara	32837	alberto_2219@hotmail.com	Team Captian
Edwardo Baldera	32838	balderamendezedwardo@gmail.com	Co-President
Nael Lancelot	33925	naellancelot@outlook.com	Team member
Javier Hazim	32839	javierhazim@gmail.com	Team member
Shary Ramirez	32917	sharyramirez@outlook.com	Project Designer
Victoria Diaz	32918	victoriadiazpp@gmail.com	Project manager
Rose Polanco	33860	rosepolanco77@gmail.com	Architectural design
Mariela Batista	33924	Mariela.batista@outlook.com	Architecture design
Juan Mateo		Jmateo4@est.unibe.edu.do	Team member

SDC Team Financial Sponsors

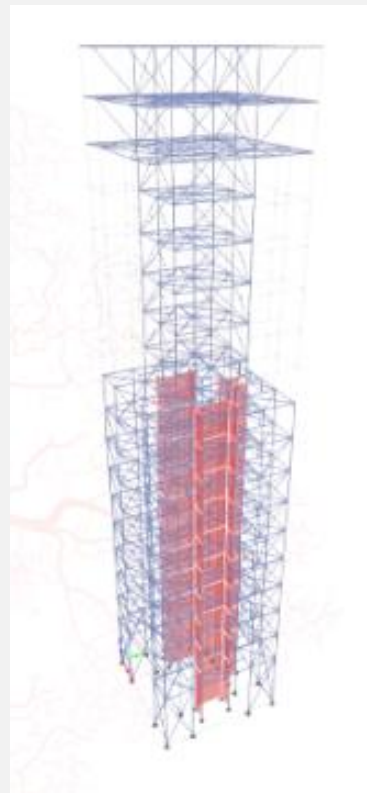
The SDC team had as sponsors:

Name	Email	Amount (USD\$)
APAP	--	1,448.00
BCIE	--	3,000.00
SINERCON	--	1,250.00
Block Rochell	--	1,839.93
Industrias Aguayo de construcción	--	459.98
Ministerio de la Juventud	--	551.98
Hanson Rodríguez S.R.L	--	506.90
Orbitarq SRL	--	1,000.00
Arquitecto Perez Morales	--	800.00

Team results and lessons learned

The team was very proud and delighted to hear we finished in the 16th position overall which meant that our team finished in a well renowned US universities.

Our structure performed well in the first ground motion as we predicted, even though it didn't last in the second ground motion. Taking into consideration the soil factor, the accelerations imposed on the building and the expansion restrictions the addition of a shear wall core and braces on an entire façade made the structure more rigid.





One of our weaknesses was that not all teammates knew how to use structural analysis software's and even knew how to manage a well base theoretical of structure, thus one of the aspects our team will focus from now on is to enhance the use and knowledge of those software's in order to have a better understanding in the structural analysis.

ELECTION & ELECTION RESULTS

An election for officers for the 2022-20232 academic year will take place in October 21st, 2022. The table below shows the current officers until October 2023 which is when the new ones will take office.

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The EERI@UNIBE STUDENT CHAPTER believes a worldwide networking between student chapters and the vast community of well renowned professionals is key to a better understanding and dissemination of earthquake risk which is why we think a list of available professionals who can give virtual lectures to the student chapters is the way to go.

LIST OF ATTACHMENTS

Included at the end of this report are various attachments to supplement the information included above. A list of the attachments is included below:

- Item a), EERI@UNIBE Regular Chapter Meeting flier: Christine Beyzaei



Para mas informacion contactar: Luis Alberto Alcantara
Co-Presidente Student Chapter EERI UNIBE
E-mail: eeriunibe@gmail.com