

2018-2019 ANNUAL REPORT

New York University Tandon School of Engineering Student Chapter

of the Earthquake Engineering Research Institute



Report Date: June 25, 2019

This report summarizes the membership and activities conducted by the New York University Tandon School of Engineering Student Chapter of the Earthquake Engineering Research Institute during the 2018-2019 academic year.

MISSION & GOALS

The mission of the student chapter for the 2018-2019 academic year was to raise awareness of the club's existence. This was the third year that the club was active, so the main goal was to recruit undergraduate and graduate students who are involved in earthquake engineering.

MEMBERSHIP

The New York University Tandon School of Engineering Student Chapter had a total of 23 members in 2018-2019.

OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
President	Rosa Hernandez	N/A	Rih218@nyu.edu	Undergraduate student
Vice-President	Jayde Zimmer	N/A	Jzimmer@nyu.edu	Undergraduate student
Secretary	Abigail Bonilla	N/A	Asb794@nyu.edu	Undergraduate student

Board meetings were held twice a semester. Once in the beginning to map out the semester and once in the end to reflect our progress.

FACULTY & INDUSTRY ADVISORS

Faculty Advisor

Magued G. Iskander, PhD, PE, F.ASCE

Professor and Department Chair
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EERI Professional Contact Advisor

Sissy Nikolaou, PhD, PE, F.ASCE

2018-2019 Annual Report, June 25, 2019

New York University Tandon School of Engineering Student Chapter of the Earthquake Engineering Research Institute

Principal, Multi-Hazards & Geotechnical Engineering
 Senior Associate
 Mueser Rutledge Consulting Engineers
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 New York, NY 10122
 snikolaou@mrce.com

MEMBERS

A complete list of members is shown below.

Name	EERI Member Number	Email	Student Status
Murshid Hussain	N/A	Mhq203@nyu.edu	Graduate student
Diego Atiro	N/A	Dac626@nyu.edu	Graduate student
Victoria Ranaudo	N/A	Ci761@nyu.edu	Graduate student
Giselle Carrera	N/A	Gbd275@nyu.edu	Undergraduate student
Kevin Beltran	N/A	Kab785@nyu.edu	Undergraduate student
Lana Le Leung	N/A	LlI339@nyu.edu	Undergraduate student
Victoria Alvarez	N/A	Va834@nyu.edu	Undergraduate student
Nikki Ong	N/A	Mdo281@nyu.edu	Undergraduate student
Joyce Yan	N/A	Jy222@nyu.edu	Undergraduate student
Mo Sat	N/A	Mcs835@nyu.edu	Graduate student
Isaac Auguste	N/A	Iaa268@nyu.edu	Undergraduate student
Nazmul Hossain	N/A	Nh1461@nyu.edu	Undergraduate student
Rosaun Morris	N/A	Rmorris@nyu.edu	Undergraduate student
Abdulla Janjoa	N/A	Aj2157@nyu.edu	Undergraduate student
Fiona Kelley	N/A	Fmk250@nyu.edu	Undergraduate student
Nicolle Intriago	N/A	Nai237@nyu.edu	Undergraduate student
Anna Mei	N/A	Am7886@nyu.edu	Undergraduate student
Danny Chen	N/A	Dc3580@nyu.edu	Undergraduate student
Nathan Garcia	N/A	Ngn224@nyu.edu	Undergraduate student
Neha Vasudevan	N/A	Nv851@nyu.edu	Undergraduate student
Rosa Hernandez	N/A	Rih218@nyu.edu	Undergraduate student
Jayde Zimmer	N/A	jzimmer@nyu.edu	Undergraduate student
Abigail Bonilla	N/A	Asb794@nyu.edu	Undergraduate student

BUDGET & FINANCIALS

The student chapter did not have any finances. Since this was the third year the chapter was active and no previous fundraising had been done, the board was unclear how much needed to be fundraised.

CHAPTER ACTIVITIES

REGULAR CHAPTER MEETINGS

Meeting Activity	Date	Attendance	Summary Statement
General Body Meeting #1 Fall 2018	10/17/19	14 students	The purpose of this meeting was to introduce the student club to the students at NYU Tandon.
EERI Workday	10/27/19	5 students	Members of the design team met to finalize the design proposal. Meeting was open to everyone so that other could become familiar with the process.
General Body Meeting #2 Fall 2018	12/12/2018	12 students	The purpose of this meeting was to update the chapter on the progress of the SDC team, reflect on the semester, and organize spring semester events.
General Body Meeting #3 Spring 2019	3/4/19	10 students	The purpose of this meeting was to discuss ways in which the club can further spread the awareness of the new student club, as well as reflect on the SDC team's effort to compete and what could be done next year to improve.

Introduction to SAP2000 2D Modeling Workshop (9/29/2018)

The student chapter created an introductory workshop to SAP2000 2D modeling, it was open to all undergraduate and graduate students at the Tandon School of Engineering. The purpose of the workshop was to introduce SAP2000 as a structural analysis tool and learn the basics of 2D modeling. The first portion of the workshop was a demonstration and the second portion was "free time" in which participants could work on personal project and ask for help/advice where needed. The topics covered were:

- Navigating the program and options
- Creating material properties
- Creating beam and column sections
- Assigning and understanding supports and end constraints
- Understanding the use of the grid and global/local axis
- 2D modelling of beams, columns and frames
- Assigning loads and defining load combinations
- Running 2D Static Analysis and displaying/interpreting results

SEISMIC DESIGN COMPETITION TEAM

This was the first year the student chapter was able to assemble a competition team for 2019. A design proposal was submitted and was approved. The SDC team was on their way to compete, they had asked for funding from the civil department and were on their way to finalizing their design after having created a SAP model of their design. Unfortunately, due to the small size of the design team, the lack of time from its members, lack on knowledge in design concepts, and uncertainty in the budget the team was not able to compete and had to withdraw.

SDC Team Members

A complete list of members is shown below.

Name	EERI Member Number	Email	Role
Jayde Zimmer	N/A	jzimmer@nyu.edu	Captain
Rosa Hernandez	N/A	Rih218@nyu.edu	Lead Designer
Abigail Bonilla	N/A	Asb794@nyu.edu	Project Coordinator

Team results and lessons learned

The SDC team was able to submit a design proposal and admitted to the competition. Due to not having a clear understanding of everything needed to compete the design team was not able to compete, with a better understanding of the competition the team hopes to attempt to compete next year.

ELECTION & ELECTION RESULTS

An election for officers for the 20XX-20XX academic year was held in Month 20XX. The table below shows the new officers appointed to the Chapter board who will take office on Month 20xx.

Role	Name	EERI Member Number	Email	Student Status
President	Rosa Hernandez	N/A	Rih218@nyu.edu	Undergraduate student
Vice-President	Jayde Zimmer	N/A	jzimmer@nyu.edu	Undergraduate student
Secretary	Abigail Bonilla	N/A	Asb794@nyu.edu	Undergraduate student
Treasurer	Nathan Garcia	N/A	Ngn224@nyu.edu	Undergraduate student

FEEDBACK FOR EERI

Our chapter wishes to compete in the SDC very much but due to the inexperience in competing we are unsure of what it truly takes to do so. We would like to plan ahead of time and know what to anticipate, so if we could be guided towards some resources that could help us do so, that would be appreciated.

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 1, flyer for SAP2000 workshop
- Item 2, flyer for general body meeting #1
- Item 3, flyer for general body meeting #2
- Item 4, flyer for general body meeting #3

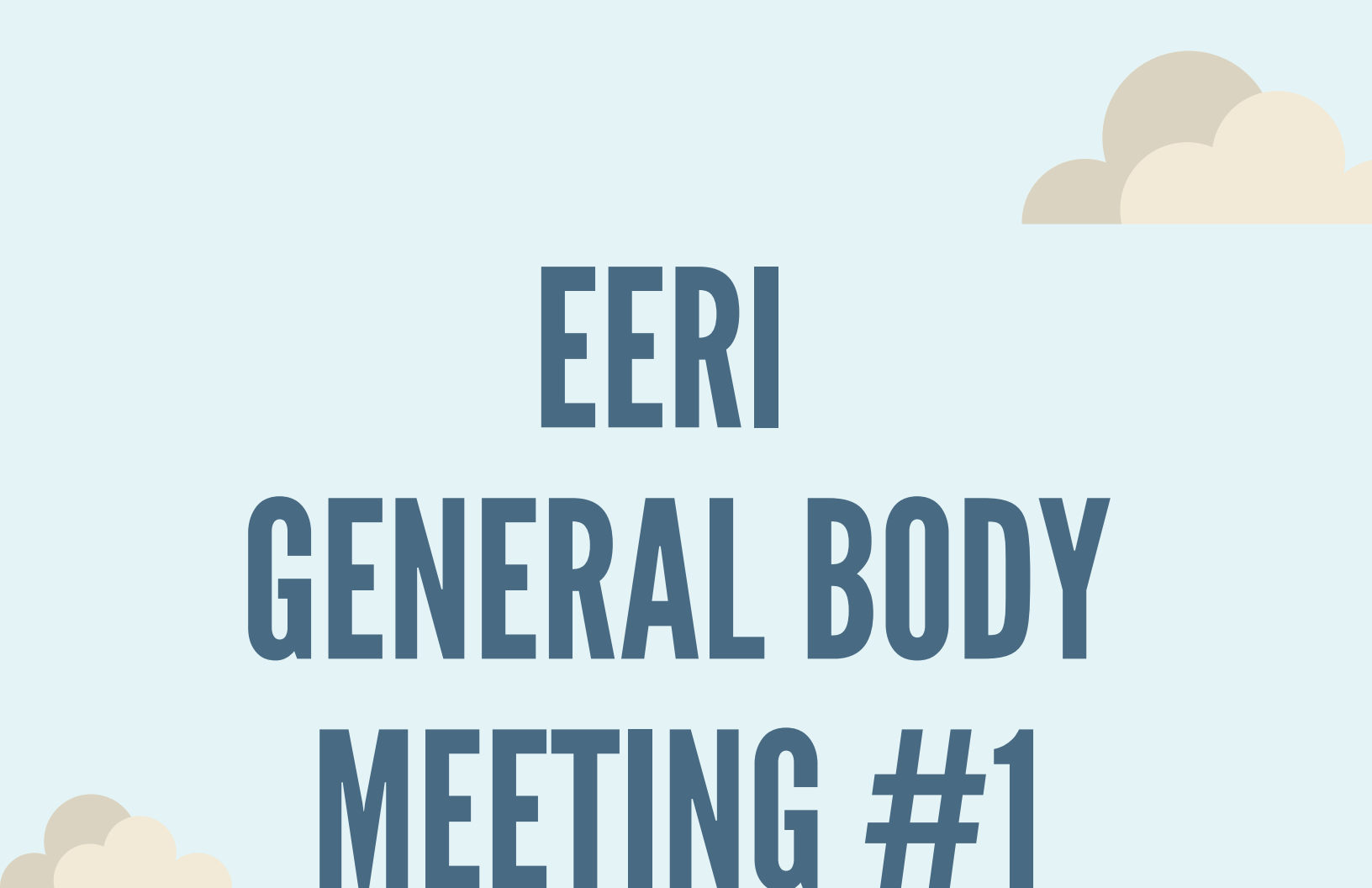
Insert any pdfs of these documents in your final report.



**EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE (EERI)
PRESENTS:**

Introduction to SAP2000

September 29, 2018
12 PM - 3 PM
RH 217



EERI GENERAL BODY MEETING #1

OCTOBER 17, 2018 @ 12 PM
IN THE MAKERSPACE





EERI

★ GENERAL BODY

★ MEETING #2 ★

DECEMBER 12, 2018 @ 2 PM

RH 204



EERI

General Body

Meeting #3

MARCH 4, 2019 @ 12 PM

RH 204

