

# 2017-2018 ANNUAL REPORT

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



Report Date: May 2, 2018

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 2017-2018 academic year.

### MISSION & GOALS

The mission of the student chapter for the 2017-2018 academic year was to raise awareness of the club's existence. This was the second 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 29 members in 2017-2018. Active membership was determined by the attendance to at least one general body meeting for the academic year.

### OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
President	Zoya Susan Benyaminov	N/A	Zbenyaminov@nyu.edu	Undergraduate

Board meetings were held once a month to discuss club activities and plan events.

### FACULTY & INDUSTRY ADVISORS

#### Faculty Advisor

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

Professor and Department Chair

Civil and Urban Engineering

Rogers Hall, Room 411

6 MetroTech Center

Brooklyn, NY 11201

+1 646 997 3016

iskander@nyu.edu

#### Faculty Advisor

**Troy A. Morgan, PhD, PE**

Managing Engineer  
 Exponent  
 420 Lexington Avenue  
 Suite 1740  
 New York, New York  
 +1 212 895 8119  
 troy.morgan@nyu.edu

**EERI Professional Contact Advisor**

**Sissy Nikolaou, PhD, PE, F.ASCE**

Principal, Multi-Hazards & Geotechnical Engineering  
 Senior Associate  
 Mueser Rutledge Consulting Engineers  
 225 W 34th St 6th Fl  
 14 Penn Plaza  
 New York, NY 10122  
 snikolaou@mrce.com

**MEMBERS**

A complete list of members is shown below.

<b>Name</b>	<b>EERI Member Number</b>	<b>Email</b>	<b>Student Status</b>
Johnny Wong	N/A	cyw299@nyu.edu	Undergraduate
Julia Langewis	18587	jjl544@nyu.edu	Graduate
Halim Bas	18566	hkb262@nyu.edu	Graduate
Judy Lee	N/A	jl5367@nyu.edu	Undergraduate
Steven Lin	N/A	sl5126@nyu.edu	Undergraduate
Ankita Jain	N/A	aj1458@nyu.edu	Undergraduate
Eden Takhalov	N/A	elt302@nyu.edu	Undergraduate
Calos Pena	N/A	cpd304@nyu.edu	Undergraduate
Kimilya Spaulding	N/A	kas830@nyu.edu	Undergraduate
Ashlene Bisram	N/A	ab4996@nyu.edu	Graduate
Ansh Shah	N/A	Ans596@nyu.edu	Graduate
Prabin Paudel	N/A	Prabin@nyu.edu	Undergraduate
Kamanie Balram	N/A	kb1916@nyu.edu	Undergraduate
Murshid Qazi	N/A	mhq203@nyu.edu	Graduate
Smit Talati	N/A	sjt409@nyu.edu	Graduate
Satish Jadhav	N/A	stj251@nyu.edu	Graduate
Tori Kirby	N/A	tk1768@nyu.edu	Undergraduate
Amr Wahba	N/A	asw373@nyu.edu	Undergraduate

Chris Cheng	N/A	nc1697@nyu.edu	Undergraduate
Danny Cabrera	N/A	dc3293@nyu.edu	Undergraduate
Abigail Bonilla	N/A	asb794@nyu.edu	Undergraduate
Rosa Hernandez	N/A	rih218@nyu.edu	Undergraduate
Nicole Intriago	N/A	nai237@nyu.edu	Undergraduate

## BUDGET & FINANCIALS

The student chapter did not have any finances. Since this was the second year the chapter was active, the board decided against focusing time on fundraising.

## CHAPTER ACTIVITIES

### REGULAR CHAPTER MEETINGS

Chapter meetings were held at the beginning of each semester.

Meeting Activity	Date	Attendance	Summary Statement
General Body Meeting Fall 2016	10/27/17	14 students	The purpose of this meeting was to introduce the student club to the students at NYU Tandon. The EERI SLC Seismic Design Competition was also introduced to students as a way to recruit members for assembling a team.
General Body Meeting Spring 2017	3/1/18	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 plan a series of events such as hosting guest lecturers.

### Site Visit: Hudson Yards (11/10/17)

Our EERI student chapter partnered with Related Companies to set a site visit to Hudson Yards. Thornton Tomasetti led the tour for 12 students to discuss the structural aspects of the project.



Guest Lecturer: Ezra Jampole (11/27/17)

Ezra Jampole was brought as a guest lecturer for the undergraduate Structural Dynamics course. His lecture covered a number of topics, including an introduction on EERI and explained how students can get involved with EERI without a Seismic Design Competition Team. Ezra covered brief introduction to structural dynamics, response spectra and how different types of earthquake ground motion shaking can affect different types of

structures on different soils. He also spoke about his then recent trip back from Mexico Earthquake EERI reconnaissance. This included background information on the earthquake and earthquake risk in Mexico City, the early warning system provided for failure, typical structures in Mexico City and types of structures damaged and characteristics of damaged buildings. He also discussed the current construction practices and future steps for Mexico and EERI.

#### Site Visit: Hudson Yards (4/20/18)

Our EERI student chapter partnered for a second time with Related Companies to set a site visit to Hudson Yards. Thornton Tomasetti led the tour for 12 students to discuss the structural aspects of the project.



#### SEISMIC DESIGN COMPETITION TEAM

The student chapter decided against assembling a competition team for 2018. Feedback provided by the involved EERI students showed that they did not have the time or background knowledge to put together a design. There was interest in competing, but not enough for undergraduate students to put in the time required to learn concepts that they have not yet covered in their courses.

## RESULTS AND LESSONS LEARNED

Overall, the officers on the student chapter feel that the club learned a lot from the 2017-2018 academic year.

Increasing awareness of the club was the main focus of the Fall 2017 semester. The club held a guest lecturer and a successful site visit that helped spread the word.

The main focus of the Spring 2018 semester was to hold meetings and set up another site visit. Increasing undergraduate and graduate interest in the club lead to the election of a new board for the coming year and a stronger presence on the NYU campus.

Since a large factor that played into the club's activities was a lack of student interest, we concluded that the best way to further success of the club is to combine the interests of both graduate and undergraduate students. Thus, the graduate students could help support the underclassmen who wish to further get involved with the club and future activities.

## FUTURE PLANS

The student chapter still wishes to participate in the 2019 EERI SLC Competition. Therefore, a team will be put together during the summer of 2018. Weekly meetings will be held and the students will start learning design concepts and programs before the semester starts, with the help of graduate students and alumni. The team hopes to create a practice structure in accordance with the 2018 competition rules. This will help with putting the 2019 proposal together, as well as providing a way to get underclassmen involved.

## ELECTION & ELECTION RESULTS

An election for officers for the 2018-2019 academic year was held in April 2018. The table below shows the new officers appointed to the Chapter board who will take office in September 2018.

<b>Role</b>	<b>Name</b>	<b>EERI Member Number</b>	<b>Email</b>	<b>Student Status</b>
President	Rosa Hernandez	N/A	rih218@nyu.edu	Undergraduate
Vice President	Nicole Intriago	N/A	nai237@nyu.edu	Undergraduate
Secretary	Abigail Bonilla	N/A	asb794@nyu.edu	Undergraduate