

2014-2015 ANNUAL REPORT

Antalya International University Student Chapter

of the Earthquake Engineering Research Institute

Report Date: July 02, 2015



This report summarizes the membership and activities conducted by the Antalya International University Student Chapter of the Earthquake Engineering Research Institute during the 2014-2015 academic year.

MISSION & GOALS

Turkey is one those countries which was the witness of many earthquakes over the past years. Due to these earthquakes many people gave their lives in different regions in the country. One of those regions which has low and high earthquakes rates is Antalya city. We as the students of Antalya city, Antalya International University, are trying to achieve the best solutions for buildings that can be resistant to earthquakes. Furthermore, our team is trying to engage new generation with earthquakes results and expose them the effects of earthquakes. Over these areas Antalya international university student chapter made a seismic design competition team that are continuously working on models that can be more economic and resistant to earthquakes. In addition, Antalya International University student chapter is currently working on organizing a seismic design competition for high school students in Antalya in order to engage them with earthquakes.

MEMBERSHIP

Antalya International University Student Chapter had a total of 8 members in 2014-2015.

OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
President	Ahmad Siar	17596		Undergraduate student
General member	Büşra	17590		Undergraduate student
General member	Gantulga	17568		Undergraduate student

Board meetings were held in Antalya international university structural design lab.

FACULTY & INDUSTRYADVISORS

1. Associate Professor Guven Kiymaz Head of Civil Engineering Department
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2. Assistant Professor Emre Demir
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MEMBERS

A complete list of members is shown below.

Name	EERI Member Number	Email	Student Status
Ahmad Siar	17596		Undergraduate student
Busra	17590		Undergraduate student
Gantulga	17568		Undergraduate student
Araya	17573		Undergraduate student
Bangaiana	17574		Undergraduate student
Leticia			Undergraduate student
Melih			Undergraduate student
Mustafa			Undergraduate student

BUDGET & FINANCIALS

Our student chapter, SDC team, and organizations budget and financial supports are all provided by Antalya International University.

Sponsor Name/Organization	Contact Person	Amount

CHAPTER ACTIVITIES

As mentioned above our student chapter team is consisted of 8 members plus two faculty advisors. Meetings were regularly done in Antalya International University's Structural lab. Due to the crashing time of students and advisors we didn't have an exact day for the meetings. But each week we had a meeting talking about our chapter activities. This was our first year being members of EERI and the first activity we had was Seismic Design Competition which held from Tuesday, March 31st to Friday, April 2nd, 2015 at the Boston Park Plaza Hotel, 50 Park Plaza at Arlington Street, Boston, MA 02116-3912. The Second Activity we had was the DASK competition held from Sunday, June 28th to Tuesday, June 30th at Istanbul Technical University, Istanbul, Turkey.

REGULAR CHAPTER MEETINGS

The chapter meetings were more often during the preparation time of competitions, seismic design competition and DASK competition. These meetings were mostly covering the topics regarding the competitions. Besides we had meetings talking about new activities such as organizing seismic design competition for high school students in Antalya and organizing seismic design competition in between civil and architecture students of Antalya International University. The meetings talking about new activities were being done twice in a month in the student conference room of Antalya International University.

SEISMIC DESIGN COMPETITION TEAM

Our seismic design competition team was consisted of five members including three students and two faculty advisors. This Activity was our student chapter's first activity in its first year. Over the period we were given for the preparation of the competition our team analyzed and fabricated two models considering the rules given in SLC's official rules.

SDC Team Members

A complete list of members is shown below.

Name	EERI Member Number	Email	Role
Guven Kiyamaz			Advisor
Emre Demir			Advisor
Ahmad Siar			Team Captain
Busra Bocekli			General Member
Gantulga Gankhuyag			General Member

SDC Team Financial Sponsors

Our student chapter, SDC team budget and financial supports were all provided by Antalya International University.

Name	Email	Amount	Note

Team results and lessons learned

Our structure was light enough for minimizing the cost for the materials. Also, we obtained the maximum income from rentable area considering the renting cost for different floors. The structure successfully passed the first two ground motions but it failed under the third ground motion. Our SDC team could accomplish 4th position in both poster and presentation. And our final annual building income was 361728 dollars. As for the first time participating in seismic design competition it became a worthwhile experience for us. We managed to control the rentable area and the cost of materials but due to a weak point we had in the base of the structure it could perform well under ground motion three. Of course the competition lead us to know where the weakness of the structure was and lead us to go for new solutions that may overcome the weakness of the structure.

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, i.e. flier for event
- Item 2, professional slide show or other handouts

- Item 3, other items









