

# 2014-2015 ANNUAL REPORT

## University of Kansas Student Chapter of the Earthquake Engineering Research Institute



Report Date: June 26, 2015

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

### MISSION & GOALS

EERI (Earthquake Engineering Research Institute) is an organization whose objectives are to reduce earthquake risk by (1) advancing the science and practice of earthquake engineering, (2) improving understanding of the impact of earthquakes on the physical, social, economic, political, and cultural environment, and (3) advocating comprehensive and realistic measures for reducing the harmful effects of earthquakes. The EERI maintains a membership roster which promotes networking among industry professionals. The EERI KU Student Chapter seeks to embody these objectives through student research, awareness, and education.

### MEMBERSHIP

The University of Kansas Student Chapter had a total of 13 members in 2014-2015.

### OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
President	Donald Spradling	17330	<a href="mailto:djspradling@ku.edu">djspradling@ku.edu</a>	Graduate student
Vice President	Rouzebeh Khajehdehi		R063k054@ku.edu	Graduate student
Treasurer	Chris Ikenberry	17619	Cikenberry3@gmail.com	Undergraduate student

### FACULTY & INDUSTRY ADVISORS

Andres Lepage, PhD. Faculty and Industry Advisor [alepage@ku.edu](mailto:alepage@ku.edu)

Jian Li, PhD. Faculty Advisor [jianli@ku.edu](mailto:jianli@ku.edu)

### MEMBERS

A complete list of members is shown below.

Name	EERI Member Number	Email	Student Status
Anil Suwal		<a href="mailto:A149s705@ku.edu">A149s705@ku.edu</a>	Graduate student

Chris Ikenberry	17619	<a href="mailto:Cikenberry3@gmail.com">Cikenberry3@gmail.com</a>	Undergraduate student
Cody LoMonaco	16565	<a href="mailto:C4771299@ku.edu">C4771299@ku.edu</a>	Graduate student
Donald Spradling	17330	<a href="mailto:djspradling@ku.edu">djspradling@ku.edu</a>	Graduate Student
Jordan Perlmutter		<a href="mailto:J107p583@ku.edu">J107p583@ku.edu</a>	Undergraduate student
Nicole Schwarz		<a href="mailto:N596s502@ku.edu">N596s502@ku.edu</a>	Undergraduate student
Rouzbeh Khajehdehi		R063k054@ku.edu	Graduate student
Sai Pavan Kumar Bypaneni		S016b801@ku.edu	Graduate student
Scott McConnell		<a href="mailto:S115m168@ku.edu">S115m168@ku.edu</a>	Undergraduate student
Simon Choi		S671c684@ku.edu	Undergraduate student
Stephanie OBrien		Sobrien1217@ku.edu	Graduate student

## BUDGET & FINANCIALS

As a new chapter our budget is dependent on the new financial sponsors we have acquired. As indicated below, our total funding available \$1200 and \$400 of which was used to provide for a hospitality dinner with our Friedman Family Visiting professional. As our foot print expands we expect to be able to acquire sufficient donations so as to allow for SDC participation and other events.

List any financial sponsors of your chapter.

<b>Sponsor Name/Organization</b>	<b>Contact Person</b>	<b>Amount</b>
Professional Engineering Consultants, Lawrence KS	Michael Becker	\$400
University of Kansas , CEAE	Mario Medina	\$800

## CHAPTER ACTIVITIES

Jan 29, 2015. 5 Persons in attendance. At this meeting the officer positions for the chapter were officially voted into the positions as indicated. A motion was made to discard any prior organization requirements and establish new chapter policies, budget, and leadership. This motion was carried by a quorum. The president described the opportunity for a Visiting professional and the decision was made to pursue this at all costs.

Mar 26, 2015. 10 Persons in attendance. At this meeting, the president outlined the requirements for the visiting professional which KU was selected for and the financial challenges. An invited speaker, Michelle Ashline, from Turner Construction, indicated the her and the company she represents would be willing to both support our chapter to attend a SDC in the next year and would aid us in finding a sponsor for a hospitality dinner for our visiting professional. Michelle also brought refreshments for attendees which was greatly appreciated.

## REGULAR CHAPTER MEETINGS

Since the formation of the chapter in late December of 2014, we scheduled two chapter meetings which also served as board meetings for the chapter.

## FRIEDMAN FAMILY VISITING PROFESSIONAL or DISTINGUISHED LECTURE VISIT

Mr. Eguchi presented *Earthquakes, Hurricanes, and other Disasters: A View from Space*, to an audience of 80+ faculty, industry professionals, and primarily civil engineering and geography students. The topic of his presentation concerned the manner by which members of the geospatial community are able to coordinate their efforts during instances of natural disasters.

EERI was credited with promoting central repository for imagery data which could then be used by various professionals responding to the incidence who could benefit from the remote sensing data. Mr. Eguchi demonstrated the use of imagery processing software applied to visual imagery data in order to assist with change detection and identify areas which have been exposed to damage. The process was applied to imagery from disasters in Iran, as well as the aftermath of Hurricane Katrina in New Orleans. Mr. Eguchi expanded the discussion to include the method by which crowdsourcing could be used to gather valuable data which would otherwise be difficult to obtain during a crisis event.

Mr. Eguchi ended the presentation with a call to action for those who would be able to assist EERI with their endeavors of reducing damage and impact from earthquakes and other natural disasters. He emphasized the mission of EERI and highlighted the benefits of membership with a local chapter as well as national membership and continued involvement.

## SEISMIC DESIGN COMPETITION TEAM

Our SDC team has yet been formally designated. As a new chapter our financial limitations are such that attendance to the convention and participation in this year's competition would have been prohibitively expensive. As our organization is now sponsored with initial funding, we expect to be able to develop our membership so as to be able to compete in future events.

## ELECTION & ELECTION RESULTS

Since the membership of our chapter is not great enough to designate new leadership as of the end of the year, the leadership within the chapter will be maintained as it is stated earlier in this report. We intend on holding elections later in the year as our membership develops.

## 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:

- Flier for the Friedman Family Visiting Professional presentation.

Earthquake Engineering Research  
Institute KU Student Chapter

Friedman Family Visiting  
Professional Program Presents:

## Earthquakes, Hurricanes and other Disasters: A View from Space



2011 Tohoku, Japan Earthquake and Tsunami

Guest Speaker: Ronald T. Eguchi  
Wednesday, April 15 3PM  
Spahr Auditorium