

***2010 Earthquake Engineering Research Institute
Brigham Young University Chapter Report***

April 1, 2011

EERI BYU Chapter Presidency

President:

Reed Crosby

1st Vice President:

Allison Tanner

2nd Vice President:

Brandon Decker

Secretary:

Matthew Mc Cammon

Faculty Advisor

Kyle Rollins

Members

Graduate

King To

Undergraduate

Alex DeBirk
Allison Tanner
Andrew Van Every
Brandon Decker
Bruce Malone
David Palmer
Ian Oxborrow
Jen Tovar
Leah O'Neil
Matt McCammon
Michael Burns
Trace Farmer
Reed Crosby

Speakers

February 16, 2010

Jerod G. Johnson, S.E., LEED AP from Reaveley Engineers and Associates speaking on the recent renovation and seismic base isolation of the Utah State Capitol Building.

March 25, 2010

T. Leslie Youd, Brigham Young University emeritus faculty speaking on soil liquefaction to the EERI BYU chapter members with 20 in attendance.

September 23, 2010

Brent Maxfield, structural engineer for the Church of Jesus Christ of Latter Day Saints speaking on temples and earthquakes to over 300 students.

Presidency Meetings

February 25, 2010

Follow up items:

Jeremy: Early planning for Engineering Week

Mo'oud: CAEDM group quota for pictures

Mike: Pictures on the Civil Engineering bulletin board, information for login to clubs.byu.edu

Trace: BYU Annual Giving fundraiser, preparation for BYU ASCE seminar presentation on 2009 EERI SLC Seismic Design Competition, Trip reimbursement status

Assignments:

Jeremy: 2009 Annual Report

Mike: 2010 Annual Report

Format: "A brief annual report shall be submitted by each Student Chapter no later than May 1 of each year. The report shall include:

1. a summary statement of the meetings that were held during preceding calendar year, giving the date of each, the attendance, the principal speaker and his subject, and other pertinent information; and
2. names of the offices and the members by the end of the preceding calendar year."

Mo'oud: Look into getting network SAP 2000 and ETABS licenses

March 4, 2010

Follow up items:

Mike: Put pictures up on the Civil Engineering bulletin board

Mo'oud: Call Ashraf about complimentary software licenses

Trace: Follow up on the BYU Annual Giving thank you letters, check whether trip reimbursements went through, get quotes for Quanser Shake Tables.

Assignments:

Mo'oud: Increase CAEDM group quota to all pictures upload

Upcoming Speaker:

Les Youd, Utah Geological Survey, ATC 20-1/ CEM

March 11, 2010

Follow up items:

Jeremy: Talk with ASCE about arranging an upcoming speaker

Mike: Presentation in BYU ASCE Seminar about the EERI competition

Mo'oud: Increase CAEDM group quota for picture file size, call Ashraf about complimentary software licenses

Trace: Get price for Shake Table

Upcoming Speakers:

Les Youd, March 25 at 3:00 pm in 393 CB, "Liquefaction Lessons Learned from Post-Earthquake Investigations"

March 18, 2010

Follow up items:

Mo'oud: Call Ashraf about complimentary software license

Trace: Price for Quanser Shake Tables quoted at \$26,000 and \$24,000 with and without accelerometers. Talk with Katy in ASCE about arranging a seminar speaker

Assignments:

Mo'oud: Talk with the Daily Universe about results from EERI competition

Trace: E-mail new EERI BYU recruits using the 2010 contact list.

Upcoming Speakers:

Les Youd, March 25 at 3:00 pm in 393 CB, "Liquefaction Lessons Learned from Post-Earthquake Investigations"

March 25, 2010

Follow Up:

Mo'oud: Call Ashraf about complimentary license

Trace: Talk with Katy in the CE office about arranging a seminar speaker, e-mail new recruit

Assignments:

Tentative: Talk to Dave Anderson about making a shake table, update the EERI BYU information of clubs.byu.edu

April 1, 2010

Follow Up:

Jeremy: Add Mike and Trace to the e-mail forward list

Mo'oud: Call Ashraf about complimentary license

Trace: Talk with Katy in the CE office about arranging a seminar speaker, e-mail new recruit,
Let Chris know where to turn letters in for BYU Annual Giving

Assignments:

Tentative: Talk to Dave Anderson about making a shake table, update the EERI BYU
information of clubs.byu.edu, Balsa Bonfire, prepare for officer elections and the
closing social

September 8, 2010

Updates from Jen Tovar:

Website:

Still working on it – got e-mail from Jeremy and tried it once and it seemed okay. Will
continue to communicate with Jeremy via e-mail as questions arise
Need to put together list for website content
Post opening social announcement

Bulletin Board:

EERI BYU Chapter picture has been taken and will be posted.
Pictures from competition posted when access to groups folder is given

Opening Social:

CB 254 scheduled from 4:00 to 6:00 pm through Janice. Plan on 40 people, 10 pizzas
from Black Jack Pizza
Need a sign-in sheet for members including name, e-mail, phone, etc.

EERI club on clubs.edu.byu

EERI BYU Chapter official on the website, now events can be self scheduled through
campus scheduling in the WSC

September 15, 2010

Officer Duties:

Jen: Update bulletin board, in charge of food and getting head counts for activities, update
website, create and maintain the budget

Reed: In charge of software licenses

Trace: Fundraisers, membership dues, get speakers

September 22, 2010

Discussion items:

- 2010-2011 dues discounted through thank you letter fundraiser
- Opening social and info meeting
- Update bulletin board

September 29, 2010

Discussion items:

- Reimburse Jen for opening social costs
- Parent's weekend fundraiser
- No rules yet for following years competition
- Take inventory of existing balsa wood

October 6, 2010

Discussion items:

- Day and times of group meetings
- Parent's weekend fundraiser
- Thank you letter fundraiser
- New tower design of the tower.

EERI BYU Chapter Meetings:

January 5, 2010

Meeting to work on the tower construction where structural members were glued together

January 13, 2010

Meeting in the structures lab to discuss San Francisco SLC Seismic Design Competition itinerary and to work on additional tower construction

January 19, 2010

Meeting in the structures lab to connect the four completed legs of the tower to the central core. Discuss and make assignments for representation at the BYU Career fair during the week of January 19.

January 27, 2010

Meeting in the structures lab to continue tower construction and to discuss the trip to San Francisco

February 1, 2010

Meeting in the Civil Engineering Department conference room to discuss the upcoming trip to San Francisco, including reimbursements, travel policies, etc.

February 20, 2010

Pizza Party fundraiser for the EERI BYU Chapter including typing drafts of thank you letters for BYU Annual Giving which offers funds for each completed handwritten letter.

September 24, 2010

Opening Social

Outlined the activities of the BYU Chapter of EERI. Discussed fundraising and the seismic design competition.

October 13, 2010

Reviewed previous year's efforts and went over the rules for the balsa wood seismic design competition.

October 20, 2010

Wrote thank you letters as a fundraising activity since BYU donates money to clubs that write thank letters for those that donate to the school.

November 3, 2010

Started the design process for the seismic design competition. Generally had a brainstorming session.

November 9, 2010

Reviewed possible design plans for the seismic design competition.

November 11, 2010

Continued developing the plans for the seismic design competition.

November 16, 2010

Worked on the specifics for the floor plans of the tower. Also figured out how we would do materials testing for the tower.

November 18, 2010

Worked on inputting the seismic design plans into AutoCAD and Revit. Also did materials testing to test the strength of the balsa wood.

November 30, 2010

Continued working on the balsa wood tower design and materials testing.

December 2, 2010

Calculated the moment of inertia for all the floors of the tower and continued developing the design. Also looked over the balsa wood we received.