Kansas State University
American Society of Civil Engineers
2016 Annual Report

Contact Information

- 2118 Fiedler Hall
  1701C Platt St.
  Manhattan, KS 66506
- olney@ksu.edu
- http://www.engg.ksu.edu/asce/ce%20015
Student Officers

**President:**
Chad Olney, olney@ksu.edu, 620–218–8603

**Vice President:**
Weston Heidzig, wheidzig@ksu.edu, 417–616–1733

**Treasurer:**
Alec Weninger, weningera@ksu.edu, 832–421–1856

**Secretary:**
Kirk Stewart, kirks1@ksu.edu, 785–340–3148

**Editor/Historian:**
Andrew Walberg, awalberg13@ksu.edu

**Community Service Chair:**
Evan Heronemus, eheronemus@ksu.edu, 816–351–0844

**Freshman/Sophomore Rep.:**
Zane Beattie, zanebeattie@ksu.edu

**Activities Chair:**
Mathew Elder, mwelder@ksu.edu

**Open House Chairs:**
Aerian Winzer, awinzer@ksu.edu, 316–452–3902
Elizabeth Motter, lizmot34@ksu.edu,
Braden Hansard, BradenHansard@ksu.edu

**Graduate Rep.:**
Caleb Mitchell, caleb7@ksu.edu
**Advisors**

- **Faculty**
  - Asad Esmaeily, PhD, PE, asad@k-state.edu
  - Robert Stokes, PhD, drbobb@k-state.edu

- **Practitioner**
  - Dave Karnowski, PE, karnowski@kansas.net
  - Peter Clark PE, pclark@pottcounty.org

**Financial Summary**

- **Dues structure**: $10/semester
- **As of December 31, 2015**
  - Total income: $5,060
  - Total expenditures: $4,120
  - Cash balance: $940
  - Accounts receivable: none
  - Accounts payable: none
Goals and Objectives

• ASCE KSU strives to give its members as many opportunities to network, learn, and get familiar with paths towards professional achievement, as possible.

• Increase competitiveness in KSU Engineering Open House
• Provide more social events to our members
• Improve speaker diversity
Increase competitiveness in KSU Engineering Open House

• Make the top three in the overall competition
• Plan
  ◦ Offer assembly credits for volunteers
  ◦ Plan ahead and delegate people to lead displays
• Assessment: Was awarded 2nd place in the overall competition
• We hope to use our experience gained from this year’s event to improve further and achieve 1st place next year.

Provide more social events to our members

• Plan at least one extra social event for our members
• Try to put together an intramural sport team to provide a fun activity that is not school related.
• There was not sufficient interest from chapter members to make this proposal a reality.
• Have an open forum with the chapter to discuss other possibilities for social events.
**Improve Speaker Diversity**

- Get speakers from a wider range of backgrounds and experiences.
- Have an open forum with the chapter to discuss qualities and topics that people are interested in and want to hear about.
- All of seven speakers had very different topics, ranging from the history of civil engineering and profession, to bridges as an art form, and to mining engineering. The speakers also had a range of experience levels, some being recent graduates and others being in the industry for 40+ years. The response from our members was very positive.
- In the future we plan to continue inviting interesting speakers, considering the feedback from students, to provide our members insight into their field of study, outside of what they learn in the classroom.

**Membership Statistics**

- 57 members
- 57 ASCE National Society-level members
- 100% of members are Society-level members (Society-level/total members)
- 42 members with Junior and Senior status
- 140 Juniors and Seniors eligible to join ASCE (CE declared majors)
- 30% of eligible Juniors and Seniors are members (Jr&Sr members / Jr&Sr eligible)
Meeting Statistics

- 11 professional meetings with an invited speaker
- 3 meetings with student presentations and/or paper(s) presented
- 2 professional licensure meetings and/or ethics topics presented
- 2 field trips
- 5 social functions

Assembly: “The History of Bridges”

- September 1st
- Speaker: Dr. Harik from the University of Kentucky
- 180 attended
- A succinct but comprehensive history of mankind’s remarkable bridge constructions. This included prehistoric, medieval, and modern designs.
- This lecture was memorable because of the varied and distinct cultural descriptions. The result was a half-hour of laughter and awe.
**Assembly: Whitney from BNSF**

- September 15th
- **Whitney Weston** from BNSF Railway shared the unique and exciting parts to her job—from derailing incidents to track analysis and design.
- **194** attended
- A young engineer can always identify with the audience at KSU. This speaker was a favorite among our members this fall.

**Assembly: Bridge Building as a Work of Art**

- **September 29th**
- Speaker: **Matthew Lengyel**
- **206** attended
- The beauty of bridge building was described by combining images with the richness of specific technical terms.
- The picture above is a probable rendering of a soon-to-come cable-stayed bridge in Texas. It is soon to be the longest in America, spanning the length of more than 5 football fields.
**Student Conference**

- Region 7
- Rolla, MO
- April 21–23
- **31** students attended
- Highlights of results
  - Concrete canoe: Great construction, but did not place in competition
  - Steel bridge: bridge supported full weight during competition, but did not qualify for nationals
  - And more...

**Leadership Development**

- Workshop for Student Chapter Leaders (WSCL)
  - Chicago, IL
  - January 15–17, 2016
  - 6 students attended
National Conferences

• Did not attend

Clean Wave Hair Collection

• Description
  – The Clean Wave Hair Collection takes human hair in mass amounts and binds it together to produce an oil-soaking device to use in polluted bodies of water.
  – Goal: to serve the community and common good of the world. It was characterized by sustainability and relevance to civil engineering.

• Engineering component
  Clean wave uses a natural, innovative, renewable product to clean up oil spills. They produce mats and help clean up after oil companies’ spills.

• Project impact
  – Currently there is high demand for donations, as the mats that are used are not reusable.
  – There is an urgency to this project, but also a finite number of donations needed.

• Participation
  – The results will be reported at a later time.
Summary and Questions

- **Major Events:**
  - ASCE Regional competition
  - ASCE picnic
  - Inviting a couple of famous engineers to speak at assembly

- **Challenges:**
  - Creating opportunities for community/national volunteer work for members
  - Organizing a group tour