



THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS®

Central Oklahoma Section Newsletter

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The Section is located at: Oklahoma Engineering Center, 220 Northeast 28th Street, Oklahoma City, OK 73105

The Central Oklahoma Section Newsletter is nominally published nine times per year to convey monthly meeting dates, meeting topics, section activities, and/or other ASME information to its membership.

******* ANNUAL ENGINEERING ETHICS MEETING *******

SPEAKER: Mr. George T. Gibson, P.E., Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors

TOPIC: “Engineering Ethics and Professional Practice”

DATE: Thursday, March 26, 2015 **LOCATION:** OSU-OKC Campus, Student Center (SC), Third Floor Conference Room South, 900 N. Portland Ave., OKC



We are privileged to have Mr. George Gibson, P.E. as speaker for this meeting. The Fundamental Canon 2 of ASME’s Code of Ethics of Engineers states: “Engineers shall continue their professional development throughout their careers, and should provide opportunities for the professional and ethical development of engineers under their supervision” (ref. <http://files.asme.org/ASMEORG/Governance/3675.pdf>). Besides providing an ethics refresher, this program will offer attendees the chance to discuss a variety of issues surrounding rules of licensure, professional practice, and continuing education requirements.

Mr. Gibson will cover current events at the Board including new things are coming this next year. Also to be reviewed are the Rules of Professional Conduct in the By-Laws. Highlighted will be frequent issues that engineers face and two case-studies of ethics violations that will serve as discussion points for attendees.

We proudly make Engineering Ethics an annual program topic, so plan to join us on March 26!
Attendees will receive 2-PDH Continuing Education credits!

<p>Time: 5:30 - 6:00PM: Meet & Register at OSU-OKC. 6:30 – 7:30PM: Ethics Session 1 7:40 – 8:40PM: Ethics Session 2</p>	<p>6:00 – 6:30PM: Introductions & Catered Meal 7:30 – 7:40PM: Short Break. 8:40PM: Adjourn.</p>
<p>Cost: \$10 for ASME Sr. members and Guests, \$5 for ASME Student Members. Please place your reservation with Albert Janco (Ph: 405-848-1991 (leave message); e-mail: JANCOA@asme.org) by Tuesday, March 24 at NOON. PLEASE furnish the name of each person attending and their affiliation (ASME, SWE, IEEE, etc). If a student, please indicate school/university. If a P.E. please indicate if a PDH certificate is desired.</p>	

2014-2015 COS Executive Committee Officers	Directors	Ex-Officio Directors
<p>Tom Betzen, P.E. Chair Michelin North America Bus: 580-221-2280; e-mail: betzent2@asme.org</p> <p>Doug Brown, R.E.M. 1st Vice Chair Ph: 580-695-2653 ; brownd919@asme.org</p> <p>John McCachern, P.E. Treasurer FAA Mike Monroney Aeronautical Center Bus: 405-954-1062; e-mail: mccachernj2@asme.org</p> <p>Frank Chambers, Ph.D., P.E......Secretary Bus: 405-744-5901 ; chambersf@asme.org</p> <p>Albert Janco, P.E. Program Chair Membership Chair Consulting Engineer Professional Practice & Ethics Bus: 405-848-1991; e-mail: JANCOA@ASME.ORG</p> <p>Frank Parker, P.E. Webmaster, Scholarship Bus: 405-582-8813; parkerfj@asme.org</p>	<p>Mike Frey Director Ph: 405-341-4480 ; freym1@asme.org</p> <p>Edwin C. Reynolds Director Phone: 405-721-6753 ; edwin_c_reynolds@yahoo.com</p> <p>Ed Root Director Phone: 405-946-3254 ; emroot@cox.net</p> <p>Chulho Yang, Ph.D. Director, K-12 Bus: 405-744-3033 ; chulho.yang@okstate.edu</p> <p>Curtis Vickery, Ph.D., P.E...... NL Editor Corken, Inc. Bus: 405-609-1172 ; vickeryc1@asme.org</p> <p>Nathan Weber, P.E. Director Phone: 405-595-7415 ; webern2@asme.org</p> <p>John Heaton, P.E. Director Phone: 580-251-4166 ; heatonj2@asme.org</p>	<p>Wayne Whaley, Ph.D. OC Bus: 405-425-5424 ; wayne.whaley@oc.edu</p> <p>Cengiz Altan, Ph.D. OU Bus: 405-325-1737 ; altan@ou.edu</p> <p>Daniel E. Fisher, Ph.D. OSU-MAE Bus: 405-744-5900 ; dfisher.okstate.edu</p> <p style="text-align: center;">Faculty Advisors</p> <p>Bill Ryan, Ph.D. OC Bus: 405-420-1987 ; bill.ryan@oc.edu</p> <p>Feng C. Lai, Ph.D. OU Bus: 405-325-1748 ; flai@ou.edu</p> <p>Ron Delahoussaye, Ph.D. OSU-MAE Bus: 405-744-5900 ; dela@okstate.edu</p> <p>Rick Beier, Ph.D. OSU-MET Bus: 405-744-9371 ; rick.beier@okstate.edu</p>

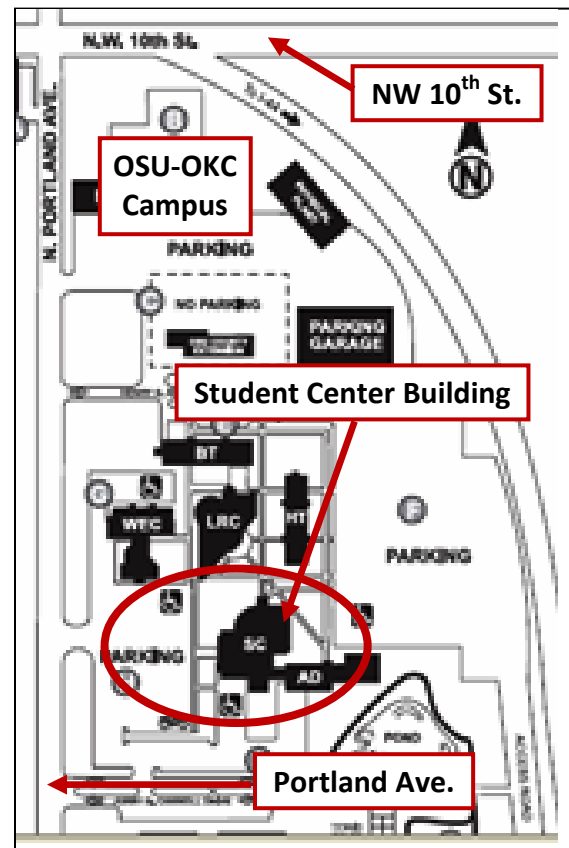
ADDITIONAL MARCH MEETING INFORMATION



Mr. George T. Gibson, P.E., served as the Chair of the Oklahoma State Board of Registration for Professional Engineers and Land Surveyors for 2003-2004. He was later reappointed by Governor Henry. His current term expires in June 2016.

Mr. Gibson retired in April 1990 as Assistant to the President for Southwestern Bell Telephone Company–Oklahoma. He was responsible for planning and implementing the Company’s nearly \$200 million per year construction program throughout the state. This included administration, planning, engineering and maintenance of the system, with approximately 2,000 employees under his supervision.

Mr. Gibson holds a BA in Mathematics with a minor in Physics, from the University of Tulsa, and was elected to the TU Hall of Fame in 1991. He is also a graduate of the OETP, Master’s level degree program from Bell Laboratories. He has also taught graduate courses at the University of Oklahoma’s School of Industrial Engineering. As a long-time member of the Oklahoma State Board of Registration for Professional Engineers & Land Surveyors, he was involved in several investigations of engineering firms for a variety of professional violations.



Engineering Week (February 22-28, 2015) Activities Wrap-Up

Members of our ASME Central Oklahoma Section attended & participated in several activities/events during Engineers week, February 22-28, 2015.

- The **Oklahoma Engineering Fair** was to be held at the Oklahoma Science Museum in OKC on February 27th. Unfortunately, because of inclement weather it was postponed & rescheduled on Tuesday, March 3, 2015. See below for Rubber Band Powered Vehicle highlights.
- The **Joint Engineering Societies Banquet** (JESB) was held at Oklahoma Christian University on February 26th. Mr. C. Michael Ming, General Manager of General Electric’s Global Research Oil & Gas Technology Center, offered the presentation “GE Oil & Gas Research Center Overview & Mission”.
- The **Engineer for a Day** (EFAD) program, for high school Juniors and Seniors, coupled 105 student participants with 18 central and SW Oklahoma company sponsors. Many of these students, along with their parents/guardians, attended the JESB and enjoyed the program.

Our thanks to Curtis Vickery for his efforts in the planning & success of JESB and EFAD. (submitted by Ed Reynolds)

Rubber Band Powered Vehicle Contest Winners

The annual **Oklahoma Engineering Fair** was held Tuesday, March 3rd, at the Oklahoma Science Museum in OKC (and is sponsored by the Oklahoma Engineering Foundation (OEF, www.oef.org)). The Engineering Fair’s mission is to offer middle- and high-school students the opportunity to experience assorted engineering and science exhibits and competitions. This year students attended from 40 Oklahoma schools across the state.

Competitions included Bridge Building, Eiffel Tower, Electric Motors, an Essay competition, Ping Pong Ball Launcher, Wacky Wonder Works, and the **Bruce Stout Rubber Band Powered Vehicle Contest (RBPVC)** sponsored by our ASME Central Oklahoma Section.

Those helping with set-up and competition judging were Albert Janco, Frank Parker, Ed Root, Robert Rucker, Frank Chambers, and Ed Reynolds. Other volunteers assisting were Francis-Tuttle Pre-Engineering Academy students Kyle Regier, Mark Zajac, & Tyler Hamm

Sixty-one (61) students ran their Rubber Band Powered Vehicles in the contest. Winning entries receiving OEF awards were:

- **1st Place:** Brendan Hill, Yukon Middle School, Yukon, OK. – 36-ft, 10-in.
- **2nd Place:** Kailan Weidner, Mustang Middle School, Mustang, OK. – 32-ft, 10-in.
- **3rd Place:** Michael Boese/Michell Graf, Corn Bible Academy, Corn, OK. – 31-ft, 4.5-in.

Special thanks to our volunteers & student participants. Congratulations to all our student competitors!

ASME Central Oklahoma Section Awards

The ASME Central Oklahoma Section Executive Committee has established seven (7) awards to recognize both section and student members who make outstanding contributions to their section or the profession of mechanical engineering. Awards recipients will be recognized at our annual Honors & Awards Section Meeting to be held April 23rd, 2015.

Outstanding Engineer Award – To be presented for outstanding professional and technical organization activities and achievements. Also considered will be community and civic activities along with awards received. The nominee must be a member of ASME.

Minority and Women Engineer-of-the-Year Award – To be presented for outstanding professional and technical activities by a minority or woman engineer. In addition, community and civic activities will be considered as well as awards received. The nominee must be a member of ASME.

Outstanding Engineer-in-Management Award – To be presented to the engineering manager deemed by the nominator to have done an outstanding job in furthering the goals of ASME and the engineering profession. The ability to select and develop engineers as well as to communicate with and motivate engineers will enter into the selection of awardee. The nominee must be a member of ASME.

Outstanding ASME Student Member Awards – Four awards will be made in recognition of academic achievement and outstanding service to an ASME student section. The Jerald D. Parker Award will be awarded at Oklahoma Christian University; The James H. Boggs Award will be awarded at Oklahoma State University/MAE; the Tom J. Love Award will be awarded at the University of Oklahoma & an Outstanding Student Award will be awarded at Oklahoma State University/MET.

For application and/or additional information contact: Ed Reynolds, 6507 N.W. 96th Street, Oklahoma City, Ok. 73162, Phone: (405) 721-6753, E-mail: edwin_c_reynolds@yahoo.com (Nomination deadline is March 26, 2015)

2015-2016 SECTION OFFICER ELECTIONS – PLEASE VOTE!

It's time once again for our Section officer elections. **The election ballot is provided in this newsletter on the following page.** **PLEASE PARTICIPATE IN THIS ELECTION** as we need your participation to maintain our Section's vitality. **Ways to vote are: print, fill out, and mail OR print, fill out, scan, and email OR copy the Word document, fill out electronically, and e-mail.** U.S. Mail to Curtis Vickery at 1700 Remington Road, Edmond, OK 73034 or e-mail to Tom Betzen, Curtis Vickery, or Ed Reynolds at e-mail addresses given on page 1.

You are not required to vote for the given officer slate. Write-in candidates are welcome! **Feel free to nominate yourself!** **PLEASE CONSIDER VOLUNTEERING** as we **REALLY need your help to achieve our common Section goals and responsibilities.** Thanks very much for participating in our Election Process!



**The American Society of Mechanical Engineers -- Central Oklahoma Section
Ballot for 2015-2016 Executive Committee Officers & Directors**

<u>POSITION</u>	<u>NOMINATING COMM. NOMINEE</u>	<u>VOTE</u>	<u>YOUR WRITE-IN NOMINEE</u>	<u>YOUR VOTE</u>
OFFICERS				
Chairman	Tom Betzen, P.E.	_____	_____	_____
First Vice-Chairman	Doug Brown	_____	_____	_____
Treasurer	John McCachern, P.E.	_____	_____	_____
Secretary	Frank Chambers, Ph.D., P.E.	_____	_____	_____
Vice-Chair, Programs	Albert Janco, P.E.	_____	_____	_____
Vice-Chair, Membership	Albert Janco, P.E.	_____	_____	_____
Vice-Chair, Prof'l Dev't	Curtis Vickery, Ph.D., P.E.	_____	_____	_____
DIRECTORS				
	Nathan Weber, P.E.	_____	_____	_____
	Mike Frey	_____	_____	_____
	Ed Root	_____	_____	_____
	Chulho Yang, Ph.D.	_____	_____	_____
	Frank Parker, P.E.	_____	_____	_____
	Robert Rucker	_____	_____	_____
	John Heaton, P.E.	_____	_____	_____
	Ed Reynolds, P.E.	_____	_____	_____
	VOLUNTEERS NEEDED	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

TO VOTE FOR COMPLETE NOMINATING COMMITTEE SLATE, CHECK HERE

EX-OFFICIO MEMBERS OF THE EXECUTIVE COMMITTEE (for information only)

Past Chairman (2014-2015): Tom Betzen, P.E.

STUDENT SECTION FACULTY ADVISORS AND DEPARTMENT HEADS:

<u>UNIVERSITY</u>	<u>FACULTY ADVISOR</u>
Oklahoma Christian University	Bill Ryan, Ph.D.
Oklahoma State University-MAE	Ron Delahoussaye, Ph.D.
Oklahoma State University-MET	Rick Beier, Ph.D.
University of Oklahoma	Fen Lai, Ph.D.

<u>DEPARTMENT HEAD</u>
Wayne Whaley, Ph.D.
Daniel E. Fisher, Ph.D.
Rick Beier, Ph.D.
Cengiz Altan, Ph.D.

It's Our Election Time !!

Below is the 2015-2016 Exec Committee/Director election ballot that needs **your careful consideration and action.** A terrific slate of candidates has been identified to lead our Central OK Section for the next program year, but we need additional interested members to serve as Directors to fill and/or help with various committees. *Serving on the Section Executive Committee is challenging and personally rewarding.* If interested in serving as a Director, feel free to *nominate yourself!* If you or any potential candidate have any questions regarding Exec Committee service, please contact Ed Reynolds at (405) 721-6753 (edwin_c_reynolds@yahoo.com). Most importantly – **PLEASE VOTE !!!** Mail your ballot to Curtis Vickery at 1700 Remington Road, Edmond, OK. 73034 **or** bring it to our March Section Meeting on March 26th.



**ASME ETHICS
PROFESSIONAL
DEVELOPMENT
COURSE**

This self-study course is designed to be taken at your convenience and on your own schedule. This on-line course is always available and you have **90 days** to finish the course once underway. **Member price is \$75 with a 3.0-PDH course completion award.**

Ethics has been defined as doing the right thing when no one is watching. Are you? Is everyone around you? What should you do if they're not? Is what you think is right the same thing as what others think is right? Use the words ethical behavior with 10 people and you'll get ten variations just on what it means to behave ethically much less on how to do it. In this learning for engineers we'll explore all these questions and you'll finish with how-to's for yourself and others.

- **The forces that shape engineering ethics:** - the history, - the engineering code of ethics, - current engineering ethics, - when and where do we develop ethical values.
- **Identifying your ethical concerns:** - Engineering specific, - company ethics.
- **Your job/department/role:** - behavior outside of your workplace.
- **Factors that modify ethical values.**
- **Solving ethical problems.**

This is an intermediate level course for all engineers as we all have to display ethical behavior and helps others display it as well.

You Will Learn:

- Have a picture of what ethical behavior looks like.
- Be able to use steps to solve ethical dilemmas
- Have ideas for what to do if you or someone is not behaving in a manner consistent with this picture.

How to Order:

- Course Type: **Assessment Based Course** • Course Number: **ZABC3**

Final invoices will include applicable sales and use tax. See <https://www.asme.org/products/courses/ethics-engineers-doing-right-thing-when-one> for more information.

Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors: Enforcement Overview

(via http://www.ok.gov/pels/Consumers_/Enforcement_Overview/index.html)

The practices of engineering and land surveying are regulated in the public interest in order to safeguard life, health and property and to promote the public welfare. This Board accomplishes that goal through evaluating candidates and firms for licensure, administering examinations, and enforcing the Statutes that regulate the Practice of Engineering and Land Surveying found in Title 59 O.S., Sections 475.1 – 475.22, Corner Perpetuation and Filing Act, Title 65 O.S. 3.116-3.123 and Oklahoma Administrative Code 245 Rules of Procedure.



Licenseses are expected to know the laws and rules governing their professions and are expected to provide services in accordance with current regulations, codes, ordinances and recognized standards. All licensees shall practice only within their areas of expertise, follow the rules of professional conduct and advise this Board concerning matters of misconduct by others.

The Board has the authority to discipline those individuals and firms (licensed or unlicensed) offering and/or practicing engineering or land surveying in this state; and has the power to suspend, revoke or refuse to issue, restore or renew a Certificate of Authorization for a firm, or a Certificate of Licensure for an individual, or place on probation, fine or reprimand any firm, professional engineer, professional land surveyor, or individual who is found guilty of violating Oklahoma Statutes and Rules.

Some of the more common violations of our statutes and rules include, but are not limited to:

- Offering and/or practicing engineering or land surveying by a firm without a Certificate of Authorization or an individual without a Certificate of Licensure,
- Aiding and assisting the illegal offering and/or practicing of engineering or land surveying,
- Signing and sealing engineering or land surveying documents not prepared under the licensee's direct control and personal supervision (plan stamping),
- Any gross negligence, gross incompetence or misconduct,
- Fraud or deceit in obtaining or attempting to obtain or renew a certificate of licensure, or certificate of authorization, including falsely reporting continuing education credit earned
- Violating the Rules of Professional Conduct, and
- Violating the Oklahoma Minimum Standards for the Practice of Land Surveying, and the Corner Perpetuation and Filing Act.

It is not within the Board's jurisdiction to resolve issues such as boundary disputes, or failure to fulfill contractual obligations. The Board has no statutory authority to order restitution and does not review or establish costs of professional services.

Process of Investigation

After a complaint has been filed, the allegations are reviewed for probable cause to proceed by the Investigation Committee of the Board, consisting of the Executive Director, Board Attorney, Director of Enforcement and Board Investigators.

If further investigation is warranted, the case is assigned to an investigator, who proceeds to gather all relevant information such as plans, plats, pictures, maps, documents and contracts. If specific knowledge about the quality of work is required, experts in land surveying and the various disciplines of engineering are consulted for their expertise. As part of the investigation, the investigator will generally contact the Respondent(s) requesting information and a response to the allegations. Often personal interviews with witnesses and Respondent(s) are conducted.

When the investigation is complete, the Investigator presents his findings to the Investigation Committee, who determines if formal charges will be filed against the Respondent(s). If charges are filed, Respondent(s) are served with a Formal Complaint that outlines the allegations and specific violations against Respondent(s), notice of date and time of the Hearing, and Respondent's rights including the right to counsel and the opportunity to respond, the right to compel the testimony of witnesses, to present evidence, and to argue all issues involved and Statement of Allegations/Charges Against Respondent(s).

The Respondent(s) may be given the opportunity to sign a Consent Order in order to avoid a formal hearing before the Board. For a Consent Order to be a binding document, it must be signed by the Respondent(s), the Respondent(s) Attorney (if applicable), the Board's Attorney, approved by the Board and signed by the Chairman of the Board (or designee).

At the formal hearing, the Board is presented the facts by the Board Attorney and the Respondent. The Board is advised by a representative of the State Attorney General's office and the hearing follows the State of Oklahoma Rules of Procedure. The Board decides on the innocence or guilt of the Respondent(s), and the disciplinary action to be taken. A Final Order which may include Findings of Fact, Conclusions of Law and terms of disciplinary action is then issued.

Disciplinary action may include in any combination:

- Reprimand,
- Revocation of Certificate of Licensure and/or Certificate of Authorization,
- Suspension of Certificate of Licensure and/or Certificate of Authorization,

- Place on Probation,
- Cease and Desist if unlicensed practice,
- Levy an administrative fine, and
- Any other action as agreed upon by the Board and Respondent(s) and outlined in a Consent Agreement.

Conclusion

The Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors takes its mission of protecting the health, safety, property, and welfare of the citizens of Oklahoma very seriously. We accomplish this by our commitment to enforcement to ensure that licensees are performing their professional services in conformity with the intent and purpose of the law and related rules of professional conduct and to protect the public from the unlicensed practitioner.

Chair's Corner

To those that were able to join us at the February 26th Joint ASME/OSPE & SWE Engineering Banquet, we trust you enjoyed the festivities and plan on joining us again next year. Personally it was very inspiring to see all the students and future engineers so engaged in these events— especially the Future City winning team and the new (record setting?) Engineer-for-a-Day participants.

For the more seasoned professionals, we will offer an Engineering Ethics (Professional Engineers refresher, continuing education course) this March 26th good for 2 PDHs. Please make plans to join us at the OSU-OKC campus— see meeting notice above for details. All ASME-Central Oklahoma Section members, students, and guests are welcome to join us.

Tom Betzen, Chair, ASME Central Oklahoma Section

Future ASME-Central Oklahoma Section Events

Date	Location	Program Topic and Speaker
Thursday March 26, 2015	OSU-OKC Campus 900 N. Portland Ave. OKC	Engineering Ethics Meeting SPEAKER: Mr. George T. Gibson, P.E., Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors TOPIC: "Engineering Ethics and Professional Practice"
Thursday April 23, 2015	TBD	Honors and Awards Meeting

Please visit our Section website:

https://community.asme.org/central_oklahoma_section/default.aspx

IT'S BEEN REVAMPED. Check event updates and other useful information!