



**THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS®**

**Central Oklahoma Section Newsletter**  
 Volume 10, Number 8, April 13, 2009

The Section is located at: Oklahoma Engineering Center, 201 Northeast 27<sup>th</sup> 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.

**Topic:** **OCAST's Mission in Oklahoma**

**Speaker:** **Mr. Michael Carolina**

Executive Director, Oklahoma Center for the Advancement of Science & Technology (OCAST)



**Date:** Thursday, April 23, 2009

**Location:** Okla. Engr. Center, 201 NE 27<sup>th</sup> Street, OKC

OCAST is a state agency established to foster innovation in existing and developing businesses in Oklahoma. This is accomplished by supporting basic and applied research, facilitating technology transfer between research laboratories and firms and farms, providing seed capital for new innovative firms and their products, and helping Oklahoma's small and medium-sized manufacturing firms become more competitive through increased productivity and modernization.

OCAST's funding comes from general revenue appropriated by the legislature each year. Entrepreneurs, scientists, engineers, inventors or companies of all sizes with technology-based projects that will benefit the Oklahoma economy are eligible. Partnerships are encouraged, with private industry-university partnerships proving to be extremely effective.

OCAST also sponsors a number of workshops throughout the year. Examples include the OARS (Oklahoma Applied Research Support) Application Preparation Workshop and the SBIR/STTR (Small Business Innovation Research/Small Business Technology Transfer) Proposal Workshop.

**Please join us on April 23 to celebrate our Honors & Awards recipients and learn more about OCAST!**

**Time:** 6:00 - 6:30 PM: Meet at the Okla. Engineering Center. 6:30 – 7:15PM: Catered Meal  
 7:15 – 7:30PM: Introductions & Awards Presentations 7:45 – 8:45PM: Program  
**Cost:** \$10 for Sr. Members, \$5 for Student Members. Please place your reservation with Albert Janco (Ph: 405-848-1991 (leave message); e-mail: JANCOA@asme.org) **by Tuesday, April 21 at NOON.**

<p><b>2008-2009 COS Executive Committee Officers</b>  <b>Curtis Vickery, Ph.D., P.E.</b> ..... Chair                  Cameron Compression Systems                  Bus: 405-619-5013 ; Fax: 405-619-5081                  e-mail: vickeryc1@asme.org</p>	<p><b>Directors</b>  <b>Mike Frey</b> ..... Professional Development                  Bus: 405-736-3368 ; freym1@asme.org</p> <p><b>Frank Parker, P.E.</b> .....Scholarship                  Bus: 405-739-1813 ; frank.j.parker@gmail.com</p>	<p><b>John Heaton</b> ..... Director                  Bus: 580-251-4166 ; heatonj2@asme.org</p> <p><b>Ex-Officio Directors</b>  <b>Byron Newberry, Ph.D.</b> ..... OC                  Bus: 405-425-5428 ; byron.newberry@oc.edu</p>
<p><b>OPEN</b> ..... Vice-Chair  <b>VOLUNTEER NEEDED!!!</b></p> <p><b>John McCachern, P.E.</b> ..... Treasurer                  Alcatel-Lucent Technologies                  Bus: 405-302-1651; jmccachern@alcatel-lucent.com</p>	<p><b>Doug Brown, P.E.</b>..... ASME Vice-President                  Ph: 580-536-0363 ; brown919@asme.org</p> <p><b>Vladimir Yun</b> ..... College/industry Relations                  Bus: 580-251-4014 ; vd_yun@yahoo.com</p>	<p><b>Sub Gollahalli, Ph.D., P.E.</b> .....OSU                  Bus: 405-325-1728 ; gollahal@ou.edu</p> <p><b>Larry Hoberock, PhD, PE</b> ..... OSU-MAE                  Bus: 405-744-5900 ; lhobero@okstate.edu</p>
<p><b>Tom Betzen, P.E.</b> ..... Secretary                  Michelin North America                  Bus: 580-221-2280 ; Fax: 580-221-8586                  e-mail: betzent2@asme.org</p>	<p><b>Nathan Weber</b> ..... Past Chair                  Bus: 405-419-6305 ; webern2@asme.org</p> <p><b>Frank Chambers, Ph.D., P.E.</b>.....Director                  Bus: 405-744-5901 ; chambersf@asme.org</p>	<p><b>Jim Bose, PhD, PE</b> .....OSU-MET                  Bus: 405-744-9458 ; jbose@okstate.edu</p> <p><b>Past Chair</b>  <b>Stan Wells</b> ..... Consulting Engineer                  Ph: 405-330-4769 ; wellss2@asme.org</p>
<p><b>Albert Janco, P.E.</b> ..... Program Chair                  Consulting Engineer Membership Chair                  Bus: 405-848-1991 ; Fax: 405-843-6244                  e-mail: JANCOA@ASME.ORG</p>	<p><b>Wendell Cavin, P.E.</b> .....Director                  Bus: 405-291-5586 ; wendell.cavin@att.com</p> <p><b>Jamal Siddiqui</b> ..... Director                  Bus: 405-739-5456 ; siddiquij2@asme.org</p>	<p><b>Faculty Advisors</b>  <b>Wayne Whaley, Ph.D., P.E.</b> ..... OC                  Bus: 405-425-5424 ; wayne.whaley@oc.edu</p> <p><b>David Miller, Ph.D.</b> .....OU                  Bus: 405-325-1094 ; dpmiller@ou.edu</p>
<p><b>Elizabeth Schwartz</b> ..... Webmaster                  Ford Audio-Visual Systems                  Bus: 580-945-2057 ; schwartz3@asme.org</p> <p><b>Ed Reynolds</b> ..... Honors &amp; Awards                  Ph: 405-721-6753 ; edwin_c_reynolds@yahoo.com</p>	<p><b>Ed Root</b> ..... Director                  Phone: 405-946-3254 ; emroot@cox.net</p> <p><b>Tommy Lear, P.E.</b> ..... Director                  Bus: 405-739-1827 ; thomas.a.lear@boeing.com</p> <p><b>Bill Green, P.E.</b> .....Director                  Phone: 405-728-5849 ; wggreen@cox.net</p>	<p><b>Hongbin Lu, Ph.D.</b> .....OSU-MAE                  Bus: 405-744-5900 ; hongbin@okstate.edu</p> <p><b>Rick Beier, Ph.D.</b> .....OSU-MET                  Bus: 405-744-9371 ; belierr@okstate.edu</p>



## ADDITIONAL APRIL MEETING INFORMATION

Mr. Michael Carolina is pictured at left. His bio was not available at press time but will be included here later if possible.

The Oklahoma AIAA Section will join us for this meeting.

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## 2009 ASME-COS HONORS & AWARDS RECIPIENTS

### Membership Recognition

The ASME Central Oklahoma Section is pleased to announce that four of our members have reached significant milestones in their professional careers. These members have been presented with certificates and rockers for their ASME pins in recognition of their years of membership in ASME:

**ASME 25 Year Membership:** James D. Baldwin, Ph.D., P.E., Member; Edward A. Durell, P.E., Member

**ASME Life Members:** Lawrence J. Cammuso, P.E., Life Member; Jack T. Coffman, Life Member

Our congratulations to these members for their continued membership, support, and many contributions to ASME!

### Student Recognition

The ASME Central Oklahoma Section is also very pleased to recognize four ASME student members at our April Section meeting. Student awards to be presented are:

- The **Jerald D. Parker Award** to honor the outstanding **Oklahoma Christian University** ASME student member,
- The **Tom J. Love Award** to honor the outstanding **University of Oklahoma** ASME student member,
- the **James H. Boggs Award** to honor the outstanding **Oklahoma State University-MAE** ASME student member,
- The **Outstanding Student Award** to honor the outstanding **Oklahoma State University-MET** ASME student member.

**Please attend our April Honors & Awards meeting and celebrate these students' fine accomplishments!**

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## **Design Contests Will Rock Student Conferences**

For “Mars Rocks”, the 2009 ASME Student Design Competition challenge, teams of ASME student members have been designing and building vehicles – inspired by rovers used in NASA’s Mars Exploration Program – that can retrieve rocks and deliver them to a designated spot. More about “Mars Rocks,” can be found at [www.asme.org/Events/Contests/DesignContest/Student\\_Design\\_Competition.cfm](http://www.asme.org/Events/Contests/DesignContest/Student_Design_Competition.cfm).



The teams will unveil their devices during the contest’s regional tournaments, to be held during 12 ASME Student Professional Development Conferences (SPDCs) over the next few months. The team placing first in each local event will receive \$500, a trophy, and a travel allowance of up to \$1,200 so they can participate in the design competition finals to be held at the 2009 Congress in Lake Buena Vista, Fla., in November. Teams finishing second and third at the regional contests will win \$300 and \$150 each, respectively, and a plaque.

The District E SPDC will be held at the University of Texas-Arlington on April 17-18. A team from Oral Roberts University will be participating in this event. Also, ASME student members from OU will be attending the conference. For more conference information visit <http://districts.asme.org/SPDC/TX/>.

## **Changes in P.E. Eligibility -- How Could “B+30” Affect You?**

(courtesy NSPE PEI (Professional Engineers in Industry) Newsletter, March 2009,  
<http://newsmanager.commpartners.com/nspepei/issues/2009-03-19.html>)

In 2006, NCEES<sup>†</sup> adopted a change to the Model Law for professional engineers to require, after the year 2015, a bachelor's degree plus either 30 additional credits or a master's degree in engineering as a prerequisite for licensure as a professional engineer (B+30). The model law serves to guide state licensing boards, however, each state must individually determine if and when they will adopt this model law change.

In order to educate members about B+30, NSPE conducted a free online Web seminar, "Changing the PE Paradigm in the Future: Additional Education for Professional Practice." This web seminar can be viewed under "Hot Topics" at <http://www.nspe.org/Education/WebSeminars/index.html>.

In addition, more information on the issue can be found by visiting NSPE's new blog written by NSPE President Brad Aldrich, P.E., F.NSPE, on the NSPE website <http://www.nspe.org/index.html>. President Aldrich discusses his views and welcomes feedback on the topic.

You can also read about B+30 in an article titled "Who Will Ultimately Pay the Bill," written by Deborah Grubbe, P.E., an NSPE Member and an executive in the petroleum industry, in your March 2009 *PE* magazine. Grubbe reviews the stakeholders who will be affected by the decision to implement B+30 and why it is so important to include them in the process.

The Professional Engineers in Industry would like your opinion about B+30 and how you think engineers in industry will be impacted by the decision to implement it. Send feedback, comments or opinions to PEI at [pei@nspe.org](mailto:pei@nspe.org).

<sup>†</sup>The National Council of Examiners for Engineering and Surveying (NCEES) is a national non-profit organization composed of engineering and surveying licensing boards representing all states and U.S. territories. NCEES develops, scores, and administers the examinations used for engineering and surveying licensure throughout the United States. NCEES also provides services facilitating professional mobility for licensed engineers and surveyors. NCEES is an accredited standards developer with the American National Standards Institute (ANSI). See <http://www.ncees.org/> for more information on NCEES.

## Help ASME by Taking its Membership Survey

For more than 125 years, The American Society of Mechanical Engineers has strived to provide our members and the engineering community with the best programs, services and benefits possible. As valued members of ASME, you have been invited to participate in an important research project. The feedback from this survey will allow ASME to understand how we can serve you better. Please help us achieve our goals by clicking on the following link and taking a few minutes to fill out the online questionnaire: <http://asme.checkboxonline.com/membership.aspx>. All results will be kept strictly confidential and the information will only be used in the aggregate.

As a thank you for taking the survey, the names of all participants will be included in a drawing for one of several Amazon.com gift cards each valued at \$100. To enter the drawing, you will be asked for your email address at the end of the survey. Please be assured that we are only using the email address to contact you if you win a prize.

Once again, thank you for your help with this important work. If you have any questions, please feel free to contact me at <mailto:membership@asme.org>

Regards, Michael Kreisberg  
ASME Director of Membership Development



### This month's focus: Unemployment / Online Career Center

Dear Members,

In my last note to you, I sang the praises of one of my favorite member benefits, the ASME e-Library. This month, I want to use this forum to have a more serious dialogue about our economy and rising unemployment (yes, ME's are being affected), and share with you what your professional association is doing to help.

The sobering statistics are around us every day in newspapers, on the radio and television, so I won't take up your time to repeat them. I understand that while the national unemployment rate has broken through the 8% barrier, your local region's unemployment situation may be even worse.

For ASME Members who are faced with involuntary unemployment, furloughs, cutbacks, or the stress and anxiety that face us each day, I sincerely empathize and want to help.

The best way I can help today, is to encourage you to reach out to ASME via the Online Career Center at <http://www.asme.org/Jobs>. Within these Web pages, we have a number of terrific programs, services and content designed to help you succeed in your current career or help you to find a new job.

Here is a snapshot of some of the things you can use right now:

- **Job Board:** Unemployed job seekers can both post their resume(s) and search for a new job for free on the ASME Job Board – a niche employment site geared exclusively to job seekers in Engineering and Science industries.
- **Resume Builder:** Powered by PONGO, the Resume Builder provides the resources job seekers need to quickly and easily create high-quality, professional-looking resumes as well as submit/manage their resumes online.
- **Job Hunting Advice:** This section of the Career Center covers all the bases, providing you with articles, tips and resources on every aspect of finding a new job.

I hope your career has not been affected by the current recession, but if you've recently lost your job, or are concerned about the possibility, please take advantage of the many tools and resources offered in the ASME Career Center. Click this link <http://www.asme.org/Jobs> and get the edge you need to stay successful in your career.

As always, please feel free to drop me a note at [membership@asme.org](mailto:membership@asme.org) and let me know what you think.

Warmest regards,  
Michael Kreisberg,  
Director, ASME Membership Development

## **2009-2010 Central Oklahoma Section Officers**

Our Section election is complete and next year's officers are set as given below:

- Chair: Curtis M. Vickery, Ph.D., P.E., ASQ-CQE
- Vice-Chair: OPEN (would you like to serve here?)
- Secretary: Tom Betzen, P.E.
- Treasurer: John McCachern, P.E.
- Vice Chair, Programs: Albert Janco, P.E.
- Vice Chair, Prof. Development: Mike Frey
- Vice Chair, Membership: Doug Brown
- Directors: Frank Chambers, Ph.D., P.E.; Wendell Cavin, P.E.; Bill Green, P.E.; John Heaton, P.E.; Ed Reynolds; Elizabeth Schwartz; Ed Root; Frank Parker, P.E.; Vladimir Yun; Ram Dula; Nathan Weber

**Thanks very much to all our volunteer Section officers! Your contributions are greatly appreciated!**

### **ASME SOCIETY POLICY -- ETHICS**

ASME requires ethical practice by each of its members and has adopted the following Code of Ethics of Engineers as referenced in the ASME Constitution, Article C2.1.1.

#### **CODE OF ETHICS OF ENGINEERS**

**The Fundamental Principles:** Engineers uphold and advance the integrity, honor and dignity of the engineering profession by:

- I. using their knowledge and skill for the enhancement of human welfare;
- II. being honest and impartial, and serving with fidelity their clients (including their employers) and the public; and
- III. striving to increase the competence and prestige of the engineering profession.

#### **THE FUNDAMENTAL CANONS**

1. Engineers shall hold paramount the safety, health and welfare of the public in the performance of their professional duties.
2. Engineers shall perform services only in the areas of their competence; they shall build their professional reputation on the merit of their services and shall not compete unfairly with others.
3. Engineers shall continue their professional development throughout their careers and shall provide opportunities for the professional and ethical development of those engineers under their supervision.
4. Engineers shall act in professional matters for each employer or client as faithful agents or trustees, and shall avoid conflicts of interest or the appearance of conflicts of interest.
5. Engineers shall respect the proprietary information and intellectual property rights of others, including charitable organizations and professional societies in the engineering field.
6. Engineers shall associate only with reputable persons or organizations.
7. Engineers shall issue public statements only in an objective and truthful manner and shall avoid any conduct which brings discredit upon the profession.
8. Engineers shall consider environmental impact and sustainable development in the performance of their professional duties.
9. Engineers shall not seek ethical sanction against another engineer unless there is good reason to do so under the relevant codes, policies and procedures governing that engineer's ethical conduct.
10. Engineers who are members of the Society shall endeavor to abide by the Constitution, By-Laws and Policies of the Society, and they shall disclose knowledge of any matter involving another member's alleged violation of this Code of Ethics or the Society's Conflicts of Interest Policy in a prompt, complete and truthful manner to the chair of the Committee on Ethical Standards and Review.

For more information or greater detail visit [http://www.asme.org/NewsPublicPolicy/Ethics/Ethics\\_Center.cfm](http://www.asme.org/NewsPublicPolicy/Ethics/Ethics_Center.cfm).

## Chair's Corner

### Dear ASME-Central Oklahoma Section Members:

Hello everyone! We've just celebrated Easter and it looks like spring is finally arriving. Unfortunately wildfires came before the rain. Our thoughts are with all who have suffered loss due to these rampant, wide-spread fires.

**Our March Ethics meeting was great! If you missed it you should have been there!** We enjoyed a diverse group of attendees, including Civil and Electrical Engineers, which made for good group discussions. Case studies included an actual case that came before the Oklahoma State Board along with cases pertaining to professional engineering practice/protocol. Special thanks are extended to Mr. George Gibson and Mr. Mark Caruthers for this informative program. **Page 5** offers ASME's Code of Ethics as a refresher!

Last month's ethics and professional practice focus is timely as the PE Exam will be administered Friday, April 24. Best wishes to our members who will be taking this exam? Becoming a Professional Engineer should be a goal of all Mechanical Engineer. **See page 4** regarding changes in PE eligibility.

We also just enjoyed the AIAA-ASME Symposium hosted by Oklahoma Christian University. Some 33 presentations were given in Fluids-Thermal, Sensing & Measurements, Bio-Medical, and Mechanics & Materials. OC did a great job as hosts!

OC will also hold their Capstone Sr. Design presentations on Wednesday, April 22. They've asked for volunteer engineers from industry to help critique these presentations. If you can help please contact Professor Jim Elkins, OC Engr. School, Edmond, OK; Ph: 405-425-5412; E-mail [jim.elkins@oc.edu](mailto:jim.elkins@oc.edu).

Hope to see you all at our April Honors & Awards meeting on Thursday, April 23!

**Curtis M. Vickery, Chair**

### Future ASME-Central Oklahoma Section Events

Date	Location	Program Topic and Speaker
Thursday April 23, 2009	Oklahoma Engr. Center 201 NE 27 <sup>th</sup> St, OKC	<b>April Section Mtg:</b> Honors & Awards w/ Okla. AIAA Section. Speaker: Mr. Michael Carolina, Exec. Director, OCAST
Thursday May 28, 2009	Noble Foundation Ardmore, OK	<b>May Section Tour:</b> Tour of the Noble Foundation Ardmore, OK.

**Please visit our Section website <http://sections.asme.org/CentralOK/>  
for event updates and other useful information!**