



THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS®

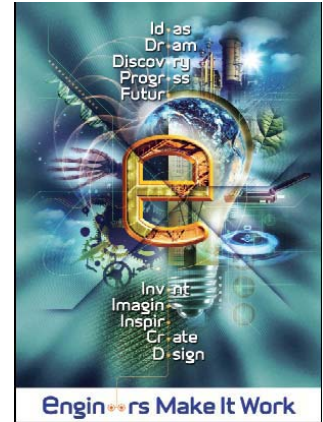
Central Oklahoma Section Newsletter
 Volume 10, Number 6, February 11, 2008

The Section is located at: Oklahoma Engineering Center, 201 Northeast 27th 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.

******* Joint Engineering Societies Banquet *******

Topic: "It Takes Energy to Go Green"
Speaker: Mr. J.D. Strong, Oklahoma Secretary of the Environment
Date: Thursday, February 19, 2009
Location: Oklahoma Christian University Gaylord Student Center
 2501 E. Memorial Road, Edmond, OK



Oklahoma is blessed with a powerful wind resource. In fact, Oklahoma's wind resource is so significant that a recently released study from the U.S. Department of Energy projects Oklahoma to become one of the top two states in wind energy production within the next couple of decades.

While Oklahoma's potential to multiply more than twenty-fold its generation of clean, inexhaustible wind energy is great news for both our economy and our environment, it can only remain "green" if developed in harmony with Oklahoma's most sensitive wildlife species. Secretary Strong's presentation outlines his department's role in developing "green energy" in Oklahoma and highlights achievements made.

Please join us on February 19 for this always enjoyable event! *Engineer for a Day, Future City, and MATHCOUNTS student participants will also be in attendance.*

Time: 6:00 - 6:30 PM: Meet at the OC Gaylord Student Center. 6:30 – 7:30PM: Catered Meal
 7:30 – 8:30PM: Program and presentation by Mr. J. D. Strong
Cost: \$15 for all attendees. Tickets may be purchased on-line at <http://www.ospe.org/cde.cfm?event=242054>. Otherwise contact Curtis Vickery or Albert Janco (contact information is below). Business attire preferred. **Deadline for ticket purchases is Monday, February 16 at noon.**

<p>2008-2009 COS Executive Committee Officers Curtis Vickery, Ph.D., P.E. Chair Cameron Compression Systems Bus: 405-619-5013 ; Fax: 405-619-5081 e-mail: vickeryc1@asme.org</p> <p>OPEN Vice-Chair VOLUNTEER NEEDED!!!</p> <p>John McCachern, P.E. Treasurer Alcatel-Lucent Technologies Bus: 405-302-1651; jmccachern@alcatel-lucent.com</p> <p>Tom Betzen, P.E. Secretary Michelin North America Bus: 580-221-2280 ; Fax: 580-221-8586 e-mail: betzent2@asme.org</p> <p>Albert Janco, P.E. Program Chair Consulting Engineer Membership Chair Bus: 405-848-1991 ; Fax: 405-843-6244 e-mail: JANCOA@ASME.ORG</p> <p>Elizabeth Schwartz Webmaster Ford Audio-Visual Systems Bus: 405-945-2057 ; schwartze3@asme.org</p> <p>Ed Reynolds Honors & Awards Ph: 405-721-6753 ; edwin_c_reynolds@yahoo.com</p>	<p>Directors Mike Frey Professional Development Bus: 405-736-3368 ; freym1@asme.org</p> <p>Frank Parker, P.E.Scholarship Bus: 405-739-1813 ; frank.j.parker@gmail.com</p> <p>Doug Brown, P.E...... ASME Vice-President Ph: 580-536-0363 ; brown919@asme.org</p> <p>Vladimir Yun College/industry Relations Bus: 580-251-4014 ; vd_yun@yahoo.com</p> <p>Nathan Weber Past Chair Bus: 405-419-6305 ; webern2@asme.org Frank Chambers, Ph.D., P.E...... Director Bus: 405-744-5901 ; chambersf@asme.org</p> <p>Wendell Cavin, P.E.Director Bus: 405-291-5586 ; wendell.cavin@att.com</p> <p>Jamal Siddiqui Director Bus: 405-739-5456 ; siddiquij2@asme.org</p> <p>Ed Root Director Phone: 405-946-3254 ; emroot@cox.net</p> <p>Tommy Lear, P.E. Director Bus: 405-739-1827 ; thomas.a.lear@boeing.com</p> <p>Bill Green, P.E.Director Phone: 405-728-5849 ; wgreen@cox.net</p>	<p>John Heaton Director Bus: 580-251-4166 ; heatonj2@asme.org</p> <p>Ex-Officio Directors Byron Newberry, Ph.D...... OC Bus: 405-425-5428 ; byron.newberry@oc.edu</p> <p>Sub Gollahalli, Ph.D., P.E.OU Bus: 405-325-1728 ; gollahal@ou.edu</p> <p>Larry Hoberock, PhD, PE OSU-MAE Bus: 405-744-5900 ; lhobero@okstate.edu</p> <p>Jim Bose, PhD, PE OSU-MET Bus: 405-744-9458 ; jbose@okstate.edu</p> <p>Past Chair Stan Wells Consulting Engineer Ph: 405-330-4769 ; wellss2@asme.org</p> <p>Faculty Advisors Wayne Whaley, Ph.D., P.E. OC Bus: 405-425-5424 ; wayne.whaley@oc.edu</p> <p>David Miller, Ph.D.OU Bus: 405-325-1094 ; dpmiller@ou.edu</p> <p>Hongbin Lu, Ph.D.OSU-MAE Bus: 405-744-5900 ; hongbin@okstate.edu</p> <p>Rick Beier, Ph.D.OSU-MET Bus: 405-744-9371 ; beierr@okstate.edu</p>
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ADDITIONAL FEBRUARY MEETING INFORMATION



J.D. Strong was named Oklahoma's fifth Secretary of Environment by Governor Henry on August 20, 2008. In addition to serving as Governor Henry's lead advisor on environmental matters, Secretary Strong will coordinate the activities of the Environmental Cabinet, including the Oklahoma Department of Environmental Quality, Oklahoma Water Resources Board, and Oklahoma Department of Wildlife Conservation.

A fifth generation Oklahoman, Secretary Strong graduated as valedictorian from Weatherford High School. He earned a bachelor's degree in Wildlife Ecology from Oklahoma State University, along with a minor in Agronomy. While finishing his degree at OSU, he began working as a summer temporary employee in the Water Quality Division of the Oklahoma Water Resources Board, where he worked as an environmental scientist for several years prior to joining the Secretary of Environment's office.

In his twelve years at the Office of the Secretary of Environment, Secretary Strong served as lead advisor to three different Cabinet Secretaries under two Governors. In this capacity, he coordinated both the Governor's Tar Creek Superfund Task Force and the Governor's Animal Waste and Water Quality Protection Task Force. He has been actively involved in efforts to address interstate water pollution concerns, particularly regarding excess phosphorus pollution in watersheds shared with the State of Arkansas.

Additionally, he gained extensive legislative experience while serving as the Secretary's liaison to the Oklahoma Legislature for the past ten years. Most recently, Secretary Strong has worked tirelessly with northern Ottawa County officials on a massive buyout assistance program to relocate families and businesses from the nation's most hazardous Superfund Site at Tar Creek.

Strong, his wife, Kalli, and their daughter, Edyn, live in southwest Oklahoma City where they are active in the Mustang Public School system, their neighborhood association, their daughter's competitive dance, and Trinity Baptist Church of Yukon.

NOMINATIONS NEEDED -- Central Oklahoma Section Awards 2009

The Executive Committee has established seven (7) awards to recognize the section and student members who are making outstanding contributions to their section or the profession of mechanical engineering. Award recipients will be recognized at our April 23rd Central Oklahoma Section Meeting.

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, 2009)

**The American Society of Mechanical Engineers -- Central Oklahoma Section
Ballot for 2009-2010 Executive Committee Officers & Directors**

POSITION	NOMINATING COMM. NOMINEE	YOUR VOTE	YOUR WRITE-IN NOMINEE	YOUR VOTE
OFFICERS				
Chairman	Curtis Vickery	_____	_____	_____
First Vice-Chairman	CANDIDATE NEEDED	_____	_____	_____
Treasurer	John McCachern, P.E.	_____	_____	_____
Secretary	Tom Betzen, P.E.	_____	_____	_____
Vice-Chair, Programs	Albert Janco, P.E.	_____	_____	_____
Vice-Chair, Membership	CANDIDATE NEEDED	_____	_____	_____
Vice-Chair, Prof'l Dev't	CANDIDATE NEEDED	_____	_____	_____
DIRECTORS				
	Frank Chambers, Ph.D., P.E.	_____	_____	_____
	Wendell Cavin, P.E.	_____	_____	_____
	Bill Green, P.E.	_____	_____	_____
	John Heaton, P.E.	_____	_____	_____
	Mike Frey	_____	_____	_____
	Ed Reynolds	_____	_____	_____
	Elizabeth Schwartz	_____	_____	_____
	Ed Root	_____	_____	_____
	Frank Parker, P.E.	_____	_____	_____
	Vladimir Yun	_____	_____	_____
	Ram Dula	_____	_____	_____
	Nathan Weber	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

TO VOTE FOR COMPLETE NOMINATING COMMITTEE SLATE, CHECK HERE

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

Past Chairman (2008-2009): Curtis Vickery

STUDENT SECTION FACULTY ADVISORS AND DEPARTMENT HEADS:

UNIVERSITY
 Oklahoma Christian University
 Oklahoma State University-MAE
 Oklahoma State University-MET
 University of Oklahoma

FACULTY ADVISOR
 Wayne Whaley, Ph.D., P.E.
 Hongbing Lu, Ph.D.
 Rick Beier, Ph.D.
 David Miller, Ph.D.

DEPARTMENT HEAD
 Byron Newberry, Ph.D.
 Larry Hoberock, Ph.D., P.E.
 James Bose, Ph.D., P.E.
 Sub Gollahalli, Ph.D., P.E.

It's Our Election Time !!

Below is the 2009-2010 Exec Committee Officer/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 our Executive Committee is challenging and personally rewarding.** If interested in serving in any capacity, feel free to **nominate yourself.** If you or any potential candidate have questions regarding Exec Committee service, please contact Curtis Vickery at (W) 405-619-5013 or (H) 405-285-6643 (vickeryc1@asme.org). **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.

National Engineers Week Kicks Off the “Million Hours Campaign”

National Engineers Week, founded in 1951 by the National Society of Professional Engineers, launches the "One Million Hours Initiative" to quantify its global outreach efforts supporting science, technology, engineering, and math (STEM) education. Every day, engineers around the world volunteer an untold number of hours by giving back and reaching out to future engineers. National Engineers Week organizers want the world to know and see the collective strength of these efforts and are challenging all engineers not only to contribute to outreach activities, but log their volunteer hours on a newly designed web site. The goal? To reach one million hours of outreach in STEM education.

To log in your volunteer hours, visit <http://millionhours.djangodomain.com/>. As of February 2 there were just over 4,500 hours logged.

Highlights from *Future City*, an OEF-Sponsored Program

This year's *Future City* Oklahoma Competition, sponsored by the Oklahoma Engineering Foundation (OEF), was held Saturday, January 24 at Oklahoma Christian University. Below are photos from this event. These kids did great jobs with their *SimCity*™ designs and constructed models. These are our future engineers!



Sacred Heart Catholic School's "Conversion City" and Summit Middle School's "Aquaro" teams.



Deer Creek Middle School's "Aqualius" and Burlington Middle Schools "Moonapolis" teams.

ASME DISTRICT-E SPRING STUDENT CONFERENCE UPCOMING

This year's ASME District-E Early Career Technical Conference (ECTC) and Student Professional Development Conference (SPDC) will be held **April 17-18, 2009 in Arlington, TX**, hosted by the University of Texas at Arlington. See their website at <http://districts.asme.org/spdc/tx/>.

CONFERENCE PURPOSE: In today's engineering job market, employers are looking for the technical credentials that separate one candidate from another. Our District has organized this conference as a forum for ME graduate students and early career engineers to develop their technical skills and credentials and to establish their professional identity so they may stand out among their peers. This conference helps District-E to establish bonds between ASME and early career engineers to encourage continued participation in ASME activities, increased use of ASME resources and programs, and reinforce the concept of "ASME for a Lifetime."

STUDENT DESIGN COMPETITION: **"Mars Rover"**. For more information please visit http://www.asme.org/Events/Contests/DesignContest/2009_Student_Design_2.cfm for complete rules and contest specifications. Further information will be available as the conference date approaches.

Questions or comments regarding the SPDC may be directed to UTA.ASME@gmail.com

EDITOR'S NOTE: This should be a good conference as UT-Arlington has good facilities, resources, and relatively close proximity. Our Central Okla. Student Sections are encouraged to send multiple delegates to this conference.

Southwest Oklahoma MATHCOUNTS Regional Competition Summary

The SW Oklahoma regional MATHCOUNTS competition was held Saturday, February 7 at the Great Plains Technology Center in Lawton, OK. Twenty-one schools participated in Small, Medium, and Large school categories. Results are provided below. Congratulations to all participating schools and students.

Small Schools (10 - 29 students per grade, 8 schools in this category):

1st – Fletcher Jr. High; 2nd – Lawton Christian School; 3rd – Sentinel Jr. High

Medium Schools (34 - 55 students per grade, 7 schools in this category):

1st – Sterling Jr. High; 2nd – Hobart Middle School; 3rd – Elmore City-Pernell Jr. High

Large Schools (113 - 317 students per grade, 7 schools in this category):

1st – Lawton Eisenhower Middle School; 2nd – Lawton Tomlinson Jr. High; 3rd – Duncan Middle School

The Oklahoma State MATHCOUNTS competition will be held Saturday, March 7 in Norman, OK. Contact Sheri Penner, Oklahoma Engineering Foundation to help or for more information (sheri@ospe.org; 405-528-1435).

Oklahoma Unmanned Aerial Systems (UAS) Summit to be held February 24

The field of *Unmanned Aerial Systems* is an emerging aerospace focus that includes *Unmanned Aerial Vehicles* (UAVs), *Micro Air Vehicles* (MAVs) and *Nano Air Vehicles* (NAVs). **The growing UAS industry offers significant opportunities to diversify the Oklahoma aerospace industry and grow the Oklahoma workforce.**

The **Oklahoma UAS Summit** will offer an opportunity for Oklahoma industry, state government and university researchers to meet and explore this fascinating industry opportunity.

Vision: Within three years, establish the state of Oklahoma as a leader in the Research, Development, Test, Evaluation and Commercialization (RDTE&C) of Unmanned Aerial Systems.

Mission: Formally recognize, market and fund UAS centric businesses, infrastructures and resources to rapidly advance UAS related flight and laboratory RDTE&C programs which facilitate the creation of a statewide UAS industry base.

Summit Cost: \$30.00 per person to attend (includes lunch); **Location:** Guthrie Country Club, 3401 Highway 105, Guthrie, OK; **More Information:** phone 405-282-1315 or <http://www.okstatechamber.com/UAS/index.html>.

CALL FOR PRESENTATION ABSTRACTS

XXIX Oklahoma AIAA/ASME Symposium

Saturday, April 11, 2009

Oklahoma Christian University, Edmond



American Institute of Aeronautics and Astronautics

Oklahoma Section



The American Society of
Mechanical Engineers

*Central Oklahoma Section
Mid-Continent Section*

**SEE NEXT PAGE FOR ABSTRACT
FORMAT INSTRUCTIONS**

Submittal Information:

E-Mail abstract as an attachment to Dr. David Cassel (david.cassel@oc.edu)

Please use “* AIAA/ASME ABSTRACT *** ” in subject line.**

For additional information contact Dr. Bill Ryan, Symposium Chairman, at
(405) 420-1987 (bill.ryan@oc.edu).

CENTERED TITLE OF ABSTRACT IN 12 POINT

F. Author, P.E.,** S. Author, and T. Author, P.E.**
Department, Group, or Division
Organization
Some City, Oklahoma 7-ZIP
(918) 555-1234
emailname@hostaddress.com

ABSTRACT

The 29th annual Oklahoma AIAA/ASME Symposium will be held at Oklahoma Christian University in Edmond on Saturday, April 11, 2009. The purpose of the symposium is to encourage communication among the engineers of Oklahoma's universities and industries. You are invited to participate by helping organize a session, chairing a session, presenting a paper, and/or attending presentations to listen and discuss the papers with the authors. The symposium provides a great opportunity for students to attend and present papers. The registration fee is only \$5 for students and \$15 for other professionals. The symposium will have parallel morning technical sessions and will end after a luncheon with an invited speaker.

A one page abstract must be submitted by **March 13, 2009**, to be included in the meeting program and the symposium proceedings. Presentations will be 15-minutes (12-minute presentation and 3-minutes for questions). This is a sample format of the text for an abstract. The abstract should be submitted in 12 point, single-spaced Times New Roman font with right and left justified margins. The lines are to be 6-inches long with 1.25-inch right and left margins and 1-inch top and bottom margins. The abstract can be no longer than one page. The title is centered 12 point, all caps, single-spaced bold Times New Roman. Acknowledgments may be indicated in a footnote. Leave two lines between the title and the authors. The names, address, phone and e-mail address are centered 12 point single-spaced Times New Roman. Please indicate membership in AIAA and/or ASME with a footnote. Professional titles are not required. Leave two lines between the author information and the centered, all caps, "ABSTRACT." Please leave one line between "ABSTRACT" and the text. E-mail attachments are the preferred submission mode.

* This work has been supported by Generous, Inc.

** Member, AIAA and/or ASME

Submittal Information:

E-Mail abstract as an attachment to Dr. David Cassel (david.cassel@oc.edu)

Please use ****** AIAA/ASME ABSTRACT****** in subject line.

Chair's Corner

Dear ASME-Central Oklahoma Section Members:

Hello everyone! February has arrived, promising many engineering and engineering-related activities. **There is something for everyone:** *Future City* (see page X), *MATHCOUNTS* (see page X), *Engineer For A Day*, the *Engineering Fair*, and the *Joint Engineering Societies Banquet*. **I encourage you all to take the time to visit or participate in at least one of these activities.** Many involve youngsters who, by their participation, may eventually train and become educated in engineering and/or technical disciplines. Please contact me if you need contact information for a particular event.

Included in this newsletter is our 2009-2010 Section officer election ballot. Feel free to write yourself in for any position! Please complete a ballot and mail it to me today!


Last month's newsletter contained an unemployment report that was not encouraging. Unfortunately our situation has not improved. At least three companies that I know of have or are planning workforce reductions. Please be cognizant of colleagues who have or may be facing job loss. We strive here at ASME-COS to provide networking opportunities for members along with our *Help Wanted/Situation Wanted* newsletter entries. **Please contact me if you have a position to fill or are in need of this service.**

Our Honors and Awards meeting is coming soon. Please think about fellow members deserving of our local Section awards, and nominate them (see page 2)!

Hope to see you at the Joint Engineering Societies Banquet on Thursday, February 19!

Curtis M. Vickery, Chair

Future ASME-Central Oklahoma Section Events

Date	Location	Program Topic and Speaker
Thursday Feb. 15 - 21, 2009	MULTIPLE LOCATIONS	 National Engineers Week Visit www.eweek.org for more information.
Tuesday Feb. 17, 2009	Okla. Science Museum NE 50 th and M L King	Oklahoma Engineering Fair – Come by to help with our Rubber Band Powered Car Contest!
Thursday Feb. 19, 2009	MULTIPLE LOCATIONS	“Engineer For A Day” Program – nearly 80 central Oklahoma High School students will be visiting industry across our area. <i>Will a future engineer be visiting your workplace?</i>
Thursday Feb. 19, 2009	OC Campus Edmond, OK	Joint Engineering Societies Banquet Speaker: Mr. J. D. Strong, Okla. Secr. of the Environment
Tuesday Feb. 24, 2009	Guthrie Country Club, Guthrie, OK	Oklahoma UAS Summit Details at http://www.okstatechamber.com/UAS/index.html
Thursday March 26, 2009	Oklahoma Engr. Center 201 NE 27 th St, OKC	March Section Meeting: Ethics Topics. We are pursuing multiple speakers.
Thursday April 23, 2009	Oklahoma Engr. Center 201 NE 27 th St, OKC	April Section Meeting: Honors & Awards Speaker/Topic TBD.

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