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FSEC Representative
& WEB Masters
Dave Chasar, Will Judd, &
Hugh Bain

Web Page:
<http://sections.asme.org/canaveral/>

**continuity
& change
visit asme.org**

Message from the Chair...

Annual Awards Banquet Well Attended!

We had a total of 26 in attendance at our annual Award's Banquet held this year at the Holiday Inn in Cocoa Beach. This year we were able to have 7 of the 16 who had received awards for their membership with ASME. This annual event gives us a chance to not only look back and recognize the achievements of our members, but gives a chance to look to the future as well. We looked to the future at this year's event by having our guest speaker, J. Tal Webb give a talk on Continuity and Change. Tal told us the latest thinking on how Regions would be reformed into 6 larger Districts. On the International front, what was Region 13 is now being broken into 4 separate districts made up of Asia and Pacific Rim, Latin America and Caribbean, Middle East and Africa, and Europe. A new board has been formed that is called Then Engineering and Technology Enterprises and will serve like the senior board of directors. The core of the organization will be broken into four main groups called Knowledge and Community Groups, Institutes, Codes and Standards, and Centers. Knowledge and Community is where the sections, student sections and technical divisions reside. Codes and Standards and Institutes are made up of the existing groupings like pressure vessel. Centers are made up of groups like Diversity and Outreach, History and Heritage, Distinguished Lecturers, and Old Guard to name just a few.

For more information on what Tal presented, see a copy of his presentation on our web page.

As always, please see our web page at <http://sections.asme.org/canaveral/> for further information of these and other events coming up soon.

Dan Johnson

Links to Useful Websites

Southern Field Office: <http://www.asme.org/regions/sro/>

Region XI Home Page: <http://www.asme-xi.org/>

ASME International Home Page: <http://www.asme.org/>

Canaveral Council of Technical Societies (CCTS): <http://www.canaveralcts.org/>



Jack Wiles presents long overdue award to Barbara Smith for her work as past Chair of the Canaveral Section.

Awardees from left to right:
Robert Culmer,
Malcolm Mansfield, Stephen
Herridge,
Kryzstof
Dabkowski, Buzz
Sawyer, Frank
Baretta, and
Thomas Bowman



CCTS E-Week Banquet

Don't forget to sign up to be part of this years E-Week Banquet sponsored by Canaveral Council of Technical Societies (CCTS). The dinner event will be held on Friday, February 18 starting at 6:00 at the Holiday Inn in Cocoa Beach. Canaveral ASME is taking the lead to help organize this event again this year and is bringing in ASME Distinguished Lecturer David Alciatore to speak on the Illustrated Principles of Pool and Billiards. It will be a fun and informative presentation that you will not want to miss. This will be our only official event this month as a group, so sign up today!

See the attached flyer for more information and RSVP information.

Dan Johnson

E-Week Opportunities

E-Week is coming up on Feb 20 - the 26th. We have the opportunity to speak at local high schools and encourage kids not only to stay in school, but also to pursue a career in engineering. As President Bush stated in the Presidential Message for National Engineers Week "Engineering Week provides an opportunity to recognize the many accomplishments of America's engineers and the positive impact they have on our quality of life. In addition, this week encourages the study of math and science, inspires young people to pursue a future in engineering, and promotes the pursuit of excellence." We are looking for people to spend either a half a day at the high schools and middle schools. Speakers will be able to talk at science and math classes. ASME will provide a packet of information to help you be prepared.

This packet includes:

A ten minute video, sample agenda, commonly asked questions, an experiment kit, "Introduce a Girl to Engineering" Kit, hand outs and bookmarks

If you are interested in speaking please respond to this E-mail or call Stephanie Hopper. Please don't miss the opportunity to share your love of science with the up coming scientists and engineers of tomorrow. Please feel free to forward this to other engineers who might be able to participate in this great event that supports not only our community, our profession but the future of engineering. Thanks in advance for your help.

For more information or to sign up please contact Stephanie Hopper at STHoppere@xch-bsco-06.ksc.nasa.gov, 321-255-9814 (Home)

Nominate a Young Engineer Today

Sponsored by the Old Guard Committee, the Young Engineers Award recognizes young engineers that have made great strides in the engineering profession, community and the work of the society and has continuous ASME membership since becoming a student member. Candidates for this year's awards should have earned his/her baccalaureate degree in Mechanical Engineering between the years **March 1, 1999 - March 1, 2001**. The grand prize is \$5000 plus a prepaid life ASME membership.

To learn more about the selection criteria and how to nominate, log onto: <http://www.asme.org/cma/og/youngengineer.html>

ASME to Host Florida PE Laws and Rules Refresher Course

The Florida Section of ASME (American Society of Mechanical Engineers) will host a Florida PE (Professional Engineer) Laws and Rules Refresher Course on Saturday, February 12 from 8 a.m. to noon in the Quad II cafeteria. The course is designed to meet the continuing education requirements for Florida professional engineers of four PDHs (professional development hours) in Laws and Rules. A review of the Laws and Rules covering Professional Engineering Practice in Florida and two case studies will be presented. A set of class notes will be provided.

Reservations for a seat may be made either by check (see information at <http://sections.asme.org/florida/welding.html> or by credit card at <http://www.acteva.com/booking.cfm?binid=1&bevaID=78659>). The cost for the course is \$89 for ASME members, \$99 for Florida Section Corporate Colleague employees and \$109 for non-members.

Student Activity Calendar

March

* Entry deadline for the Human Powered Vehicle (HPV) Competition

March 1 Charles T. Main nomination deadline

March 5 Fluids Engineering Division Young Engineer Paper Contest abstract due

March 15 Application Deadline: 2005-06 ASME Scholarship

March 15 ASME Auxiliary Scholarship – application deadline

March 15 Petroleum Division Student Scholarship Program – application deadline

April

April 10 Entry Deadline: Solar Splash

April 15 Summer/Fall Student Loans – application deadline

April 15-16 Fundamentals of Engineering Exam

April 30 Human Powered Submarine Contest – Closing Date for application and fee

April 30 2005 ASME Student Mechanism Design Competition – Letter of intent due

Attend your Regional Student Conference

What's happening at Florida Tech

Tours, meetings, impromptu design competitions, and joint gatherings with the Canaveral Section are held throughout the regular Fall and Spring semesters. To get in contact with the Florida Tech Student Section please do not hesitate to contact Student Section Advisor **JD Van Gilder** at jvangild@harris.com.

Treasure Coast SEA

Vero Beach and the Treasure Coast were hit very hard during the past hurricanes and as such the regularly scheduled meeting held down there for the local retirees have been affected. No meeting took place in January and the February meeting is not currently planned. As upcoming meeting topics get organized we will get the word out through the newsletter, e-mail, and through the telephone network set up by the locals in the Vero area.

Meetings are held on the third Friday of the month and meeting announcements will be sent via e-mail and the Vero Beach Press Journal prior to each meeting. If you would prefer to be reminded by any other method (phone, mail, etc.), please contact **Kelly Mather** at mather@iu.net.

News on Upcoming Founders Day

What are you doing Founders Day (Feb. 16), the kickoff event for ASME's 125th Anniversary in 2005? All divisions, institutes, regions and sections are encouraged to celebrate throughout the year, reaching out to other engineering societies, student groups, civic organizations, etc., to share in the celebrations with ASME. Organizers can register their events by contacting anniversary@asme.org. Visit the website www.asme.org/anniversary for further plans.

Partners In Mechanical Engineering Grants Available

The Board on Diversity and Outreach is accepting applications for Partners in Mechanical Engineering grants. All ASME Sections are eligible to apply. Grants are made on a first-come, first-served basis. For more information, go to <http://www.asme.org/communities/diversities/bdo/partners.html>

E-Week Rapidly approaching

Plan your activities for Eweek 2005!

This year's theme will focus on the international and the future. Co-chaired by ASME & BP p.l.c., Eweek will feature a partnership with *Engineers Without Borders*, a non-profit organization dedicated to improving the lives of others through environmentally and economically sustainable projects worldwide.

In addition to the EWB program, Eweek will continue to offer many other programs that will emphasize engineering's commitment to the future. Among them are: *Connecting the World to Engineering*, which brings engineering undergraduates and young professionals together with business leaders through use of technology; *New Faces of Engineering*, which showcases rising stars of the profession. New Faces now includes international engineers; *Introduce a Girl to Engineering Day*, which encourages women engineers to mentor girls and young women; and *Discover E*, which provides educational materials to more than 45,000 engineers who work with 5.5 million students and teachers in elementary through secondary schools annually.

For more information on Eweek, log onto: <http://www.eweeek.org>

On-Line Training

Visit <http://ww2.asme.org/pd/index.cfm#4> full details on...

UPCOMING ASME SHORT COURSES - DESIGN & MANUFACTURING

ASME short courses allow you to fine tune your skills and receive expert training on:

- Design of Bolted Flange Joints
 - ASME Y14.5M Geometric Dimensioning & Tolerancing
 - Tolerance Stack-Up
 - Fracture Mechanics
- and much more.

For a complete list of courses, dates, locations, and registration information visit

<http://www.asme.org/education/shortco/>

ASME Continuing Education Institute is upgrading its group email function for better service. If you have received this email in error, we apologize for the inconvenience. To unsubscribe please send a blank email to leave-asme_cei_cdt-20708258C@list.asme.org

Symposium on Educational Issues in Engineering Design at IDETC 2005

On behalf of the ASME Design Engineering Division (DED) and the DED's newly-reformulated Design Education Committee (DEC), it is my great pleasure to alert and invite you to attend and contribute to a one-day symposium on educational issues in engineering design. This symposium will be held during the 2005 ASME International Design Engineering Technical Conferences (IDETC) that will take place on September 24-28, 2005, at the Hyatt Regency Hotel, Long Beach, California.

The mission of the Design Education Committee (DEC) is to seek the improvement of education in the art and the science of mechanical engineering design for students, researchers and educators, and professional practitioners. As part of that mission, the DEC intends to maintain active dialogues among professional practitioners and design academics that:

alert academics to the changing needs and requirements of industry, alert design practitioners to new research findings, and foster public awareness and understanding of the importance of good (engineering) design.

In partial fulfillment of this mission, the DEC is co-sponsoring several sessions at the 2005 IDETC in Long Beach, California, on the following topics:

1. Technology for teaching and distance learning of design, together with the Computer and Information in Engineering (CIE) Division.
2. Training vs. teaching, together with the Design for Manufacturing (DFM) Committee.
3. Impact of research on teaching methods, together with the Design Theory and Methodology (DTM) Committee.
4. Education in design automation, together with the Design Automation Committee (DAC).
5. Rehabilitation and sports equipment design and manufacturing, with the Design for Manufacturing (DFM) Committee.

These sessions will be scheduled to be on the same day, so that DEC and its cooperating committees (CIE, DAC, DFM, and DTM) will be jointly offering a one-day symposium on issues in design education.

For further information about the aforementioned special sessions and to submit papers via the (IDETC) conference web-tool, please visit www.asmeconferences.org/idetc2005/.

Thank you very much for your attention and anticipated participation.
Clive L. Dym, Chair (2004-06)

Brain Teaser

The Brain Teaser is a math or science type problem will be presented and you can respond by e-mail with your solution. For those of you who get the correct answer you will go into the running to get a gift certificate to a local restaurant at the end of our Program Year. The person with the most correct answers wins.

Here are the folks who have met the challenges so far!

Newsletter People who got the Correct Answer

September David Wadzinski

October No One

November Tom Bowman, David Wadzinski, Leon Cole, Willie Daffron, Jack Wiles, Bill Imre

December Cindy Fortenberry, David Wadzinski, Willie Daffron, Bruce Eddy

January JD Van Gilder, Willie Daffron, Jack Wiles, David Wadzinski, Cindy Fortenberry, Corey Herbert

The answer for last newsletters Brain Teaser is as follows if you could not figure it out.

a. $3 \times 3 + 3 + 3 \div 3 = 5$

b. $4 - 4 + 4 \div 4 + 4 = 5$

c. $5 - 5 + 5 - 5 + 5 = 5$

Here is the new Brain Teaser for this month, good luck!

A game wheel shows the numbers 1 to 36. Figure out on which 2-digit number Lucy has landed given the following facts:

The number is divisible by 3. The sum of the digits in this number lies between 4 and 8. It is an odd number.

When the digits in this number are multiplied together, the total lies between 4 and 8.

Good Luck! Send your response to Dan Johnson at djohns08@harris.com

ASME FEA Course offered by Florida West Coast Section

Finite Element Method Fundamentals

ASME, Florida West Coast Section
Professional Development Opportunity

Register here: <http://www.bobandrew.com/asme/pd/pd.html>

Earn 12 Professional Development Hours (PDH's)!

This three-session course will introduce the student to the fundamental concepts of the Finite Element Method in structural analysis. The course will focus on applying finite elements to solve engineering problems. Hands-on modeling and analysis of simple, illustrative problems using ANSYS, a leading commercial finite element analysis system, will reinforce student learning. Each student will receive a FREE demonstration copy of ANSYS (for installation at home or office), as well as an introduction to the software during the initial class. Course "homework" will enable the student to master the software while reinforcing fundamental concepts.

Topics of study will include:

- The finite element method and its relationship to the design process
- Basics of the finite element method
- Finite element modeling
- Evaluation of results
- Common mistakes
- Brief introduction to the ANSYS toolset (each student will be provided a dedicated ANSYS workstation for use during each class)

Instructor:

Mr. Barry E. Lindblom, P.E.

Technical Director

Alliant Techsystems, Clearwater, FL

Location:

University of South Florida - Tampa Campus, Engineering Computing
Laboratory

Dates & Times:

February 19, March 5, March 19, 2005

8:00am - Noon each day

Refreshments will be provided.

Cost:

ASME Member: \$200.00

Non-Member: \$300.00

Student: \$75.00

Contact:

ASME Florida West Coast Section - Professional Development Committee

Mike Krawczyk

E-mail: Mike_Krawczyk@ConsuTecInc.com (preferred contact method)

Telephone: (813)917-4069




AMERICAN SOCIETY OF MECHANICAL ENGINEERS

CCTS
P.O. Box 245
Cape Canaveral, FL 32920



Canaveral ASME Program Year 2005 Calendar

July	Aug	Sep	Oct
No Event Planned	<i>Tour: Brevard Zoo "Wild Side" Outing</i> Date: Aug 15 Location: Viera POC: Leanna Konowicz (KONOWILC@usa-spaceops.com)	Speaker: Dan Koenig on Engineer Entrepreneur Date: Sep 22 Location: FSEC POC: Dan Johnson (djohns08@harris.com)	<i>Tour: AF Missile Museum</i> Date: Oct 16 Location: Cape Canaveral POC: Jack Wiles (jwiles@webtv.net)
			DL Speaker: Dr. Rhode on Virtual Product Development Date: Oct 20 Location: FSEC POC: Alan Zakaluk (azakaluk@harris.com)
Nov	Dec	Jan	Feb
Mini-Topic Evening: Hugh Bain's experience in Iraq, & Florida's Blood Center Date: Nov 20 Location: Florida Tech in Melbourne POC: Dan Johnson	<i>Tour: Ice Skating Rink (Joint event with FIT Student Section)</i> Date: Dec 9 Location: Rockledge POC: JD Van Gilder (jvangild@harris.com)	Award's Banquet with Speaker: J. Tal Webb on "Continuity & Change" Date: Jan 12 Location: Holiday Inn/Cocoa Beach POC: Dan Johnson (djohns08@harris.com)	CCTS E-Week Banquet with DL Speaker David G. Alciatore, "The Illustrated Principles of Pool and Billiards" Date: Feb 18 Location: Holiday Inn/ Cocoa Beach POC: Alan Zakaluk (azakaluk@harris.com)
		<i>Tour: Mather's Bridge</i> Date: Jan 22 Location: Indian Harbor Beach POC: Stephanie Hopper (STHopper@xch-bsco-06.ksc.nasa.gov)	E-Week Speakers Date: Feb 21-25 Location: Brevard County Schools POC: Stephanie Hopper (STHopper@xch-bsco-06.ksc.nasa.gov)
			
Mar	Apr	May	June
FIT Student Section Dinner & Design Presentation Date: Mar 30 Location: Melbourne POC: JD Van Gilder (jvangild@harris.com)	<i>Tour: NSLD</i> Date: Week of the 11th Location: Cape Canaveral POC: Stephanie Hopper (STHopper@xch-bsco-06.ksc.nasa.gov)	John Bozewicz, DL Speaker "From Engineer to Manager: A Roadmap for a Successful Transition" (Joint Effort with Florida West Coast Section) Date: May 10 Location: FSEC POC: Alan Zakaluk (azakaluk@harris.com)	Speaker/Tour: TBD Date: Jun TBD Location: FSEC POC: Dan Johnson (johnsond2@asme.org)
	ASME Industry Event at Suntree CC w/ Guest Speaker Lee Hawkins Date: TBD Location: North Melbourne POC: Paul Burke		
			Legend: <i>Indicates Status Confirmed</i>



*PLEASE MARK YOUR CALENDARS
TO SUPPORT
THE 2005 CCTS
ENGINEER'S WEEK BANQUET*

Reserve Your Tables Now !!!!!!!

CCTS

THE CANAVERAL COUNCIL OF TECHNICAL SOCIETIES

PROUDLY ANNOUNCES THE

2005 ENGINEER'S WEEK BANQUET

FEBRUARY 18, 2005 (Friday)

at

**COCOA BEACH HOLIDAY INN
COCOA BEACH , FLORIDA**

SCHEDULE of EVENTS: 6 - 7 PM: Happy Hour & Networking (cash bar provided)

7 - 8 PM: Dinner (See Menu below)

8 - 10 PM: Presentations and Awards

PRESENTATION: The Illustrated Principles of Pool and Billiards,

David G. Alciatore, PhD, PE , ASME Distinguished Lecturer

AWARDS: Engineer of the Year and Tal Webb Award

MENU: Choice of : London Broil, Mahi Mahi, Vege Plate With Salad, Drinks and Desserts

Costs: Individuals: \$24

Corporate Table: \$250 (Max of 8 persons per table)

For Details: <http://canaveralcts.org/> (click on calendar of Events/Activities)

RSVP: Dan Johnson 321-729-3686 or via e-mail at johnsond2@asme.org