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Paul Burke

Treasurer
John Van Gilder

Secretary
Will Judd

FIT Student Advisor
John Van Gilder

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Membership Development
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~ Open Position ~

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~ Open Position ~

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Scott Seigel

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

Message from the Chair...

Welcome 2005!

Another year is on the verge of passing us by as we say good bye to 2004. Here in the Canaveral Section it was a memorable year to say the least with the three hurricanes that directly impacted our section. One week after our tour of the Air Force Missile Museum and Port Canaveral this fall, a waterspout touched down and wrecked further havoc on that area of our coast line.

From an ASME section standpoint I think we are off to a good start. We are now half way through our program year and have had some good speakers and tours so far. In January we will have our annual Awards Banquet and you won't want to miss out on attending that, see the attached flyer for more details. In February we will take part in the annual E-Week celebration by going out to speak at the local schools and close out the week with the CCTS Banquet to be held at the Holiday Inn in Cocoa Beach. See the attached flyer for more information about that upcoming event as well.

We had wanted to have a follow up tour of the work being done on the renovation of Mather's Bridge on the south end of Merrit Island this January but due to slow downs with the project that event is currently on hold. We hope to be able to pick it up later this year if things work out. More news to follow as it becomes available.

Come on out and take part in making our section even more successful by getting involved in one or more of the upcoming meetings or tours!

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

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

**continuity
& change
visit asme.org**

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/>

December 2004 - Ice Plex Tour

It was a small turnout of four students and two Canaveral section members to get a tour of the Ice Plex in Rockledge. Our tour guide, Randy, gave an excellent tour of the refrigeration system that keeps the surface frozen and on how the Zamboni operates to keep a smooth layer on top of the rink for the skaters enjoyment.

The Ice Rink was particularly hit hard due to the power losses from two of the hurricanes. The ice became a slushy mess when they lost their power and waited along with the wrest of us for power to return. They had damage to some of the dehumidifier and compressor equipment that made their time to get back up to operation a little more difficult.

Another interesting fact that came out of our tour was that the blades on the Zamboni need to be sharpened once a week to keep a good edge on the smoothing tool. This is typically done by sending out the blade to be ground at a specialized machine shop that can handle the six foot blade. Randy has developed a machine tool that is set up at the Ice Plex where he can machine the blade automatically while he is performing other maintenance operations on the Zamboni. He has been able to turn a several day operation in to one that takes about an hour . The Zamboni management team is looking at his machine tool to see about including it as a package to other ice rinks to save them time and money as well. Just another example of seeing a need and filling it with a little bit of creativity and ingenuity!

Dan Johnson

Engineers Needed to Help in Middle School Science Classes

RE-SEED (Retirees Enhancing Science Education through Experiments and Demonstrations) is a Northeastern University program that prepares engineers and scientists to provide in-classroom support to middle school science teachers with teaching the physical sciences.

After completing a comprehensive FREE training program, participants volunteer in a middle school on a regular basis often with another volunteer as a partner. Since RE-SEED began in 1991, close to 500 volunteers have been trained in about 100 communities throughout the country offering about 500,000 hours of their time.

Upcoming training programs will be held in Massachusetts (Boston, Lowell, and Worcester areas), New York (West Nyack), and California (Palo Alto). If you would like to participate, but do not live in one of these areas, we will work with you to explore the possibility of starting a RE-SEED chapter in your area. You can reach us at 888-742-2424 or reseed@neu.edu. You can also visit us on the web at www.reseed.neu.edu.

News from the Board of Governors

The Board of Governors approved the visions, missions, organization charts and organization structures for the five new ASME sectors: Centers, Codes and Standards, Institutes, Knowledge and Community Groups and Strategic Management. The Board also approved changes to Nominating Committee By-Laws and the framework for sector By-Laws and asked the Senior Vice Presidents to develop a plan for migrating ASME Vice Presidents to the new organization structure. Visit the Continuity and Change online newsletter for details: <http://www.asme.org/change/IINEWSLTR1204.htm>.

The Board of Governors approved an agreement of cooperation with the Associazione Italiana di Tecnologia Meccanica (AITEM), the Italian Association of Mechanical Technology.

Contact: Dave Soukup at soukupd@asme.org.

The Board of Governors approved renaming the Materials and Structures Group to the Pressure Technology Group in the Council on Engineering. The change reflects the move of the Materials Division from the Materials and Structures Group to the Basic Engineering Group.

Contact: Burt Dicht at dichtb@asme.org.

On-Line Alias

Dear members,

As part of an ongoing effort to improve our email "alias" system, ASME is making a change to how we administer your "@asme.org" email alias. Effective December 22, 2004, your "@asme.org" email alias will become the preferred email address on your official ASME member record.

Listing your "@asme.org" alias as the primary e-mail address on your ASME member record ensures that all e-mail communications from ASME will automatically be directed to your alias. It's also convenient for personal communications. No matter how many times you change the actual personal or business e-mail address tied to your alias, people will always be able to reach you via your "@asme.org" address.

If you would like your "@asme.org" alias to become the primary e-mail address listed on your ASME member record, the change will be made for you automatically.

Remember: You can update the forwarding address connected to your "@asme.org" email alias as often as you like by logging on to the "Members Only" section of <http://www.asme.org/>. Select the "Register/Update Your ASME.org Email Alias" link, and then follow the prompts to update your forwarding address to your desired personal or business e-mail account.

If you have any questions or concerns, please feel free to contact me.

Regards,

Maria Ciniglio

Program Manager, Regional Operations

ASME International

Three Park Avenue, 23E6

New York, NY 10016-5990

Phone: (212) 591-7445

Fax: (212) 591-7437

CiniglioM@asme.org

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 October and the November 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.

On-Line Program

The **UNIVERSITY OF ILLINOIS** now offers an **ONLINE** program in

Strategic Technology Management!

Are you interested in moving from engineering to business or management?

Would you like to enhance your opportunities for promotion, develop stronger leadership skills, and be better qualified to make higher-level decisions regarding your company's business or technology strategies?

NOW YOU CAN WITH THE STRATEGIC TECHNOLOGY MANAGEMENT PROGRAM AVAILABLE ONLINE FROM THE UNIVERSITY OF ILLINOIS!

This online program is designed for individuals with an engineering background who aspire to rise in management.

Strategic Technology Management (STM) builds on your engineering degree, while emphasizing the principles, practices, and strategies for developing and commercializing technology.

Anyone with a bachelor's degree can enroll in one or more of the following Spring online courses:

GE 498 LH - Entrepreneurship Discovery Lecture Series (1 hour)

GE 598 BV2 - Managing Advanced Technology in Industry (1 hour)

GE 598 FM - Finance for Engineering Managers (1 hour)

GE 598 IS - Technology Innovation and Strategy (2 hours)

GE 598 JK - Legal Issues in Entrepreneurship (3 hours)

To receive a demo CD contact me directly at ocee@uiuc.edu with your mailing address. For more information about our Engineering Online program, contact me directly or visit <http://online.engr.uiuc.edu/web/asme/su04/>

Laura A. Miller

Director of Online Engineering Programs

University of Illinois at Urbana-Champaign

1308 West Green Street, Urbana, IL 61801

Phone: 1-800-252-1360 ext. 6 (217-333-6634 outside the U.S.)

Email: ocee@uiuc.edu

ASME Welding Course offered by Florida Section

ASME and AWS (American Welding Society) Fellow Sam Reynolds will provide a 4 hour course on the fundamentals of welding and brazing for the new engineer and the experienced career engineer. You need not have a PE to attend this course. However, this course, which will satisfy the Technical Practice requirements for a State of Florida PE will cover the following:

Discussion of Consensus Documents

Determination of Structure or Vessel

List of Applicable Code or Codes

Determination of acceptable weld joints

Selection of appropriate materials

Determination of allowable stresses for design

Selection of welding process(s)

Determination of qualification requirements

Review of Code for required NDE and special requirement

Black and white vs. ENGINEERS judgment

A set of class notes will be provided but not a copy of the applicable codes.

This class will take place on Saturday, January 15, from 8AM to noon at Siemens Westinghouse in Orlando, FL. Reservations for a spot may be made either by check (see info at <http://sections.asme.org/florida/welding.html>) or by credit card at

<http://www.acteva.com/booking.cfm?bevaid=78434>.

The cost for the course is \$89 for ASME members, \$99 for Florida Section Corporate Colleague employees, and \$109 for non-members.

ASME and NSBE Sign Joint Membership Agreement

ASME and NSBE (National Society of Black Engineers) have signed a one-year joint membership agreement, which offers a 50 percent discount to members of each society to join and participate in the other society's programs.

With more than 15,000 collegiate, professional and pre-college students in its ranks, the NSBE is the largest student-managed organization in the U.S. The NSBE aims to increase the number of Black engineers who excel academically, succeed professionally and positively impact the community. It also strives to promote public awareness of engineering and the opportunities for Blacks, and other underrepresented groups to participate as a representative body on issues and developments that affect the careers of minority engineers.

"We welcome the opportunity to partner with ASME to provide our members with technical information and additional networking opportunities with other engineers in their field of interest," said Michele Lezama, NSBE executive director. "We hope that this will just be the beginning of many joint ventures between our societies."

The joint membership agreement allows members of NSBE to receive a 50 percent discount off the ASME membership dues, while its student members can join ASME for \$15. Members of ASME will receive a 50 percent discount off the NSBE member/student member rate. Joint membership will also provide an opportunity to broaden and improve membership benefits and strengthen academic and professional development pursuits.

"We see this joint membership agreement as an opportunity to reach out to all engineers, reinforce our commitment to diversity and more effectively serve the engineering community," said Virgil Carter, ASME's executive director. "We hope to use this as a model for partnerships with other organizations that can benefit from ASME's community and technical knowledge."

ASME members interested in taking advantage of the joint membership package with NSBE can get more details and join through the "Members Only" area of ASME.org

Third Annual Engineering R&D Symposium

The Third Annual Engineering R&D Symposium, Washington, D.C., April 5-6, 2005, will be sponsored by ASME, in collaboration with the American Institute of Chemical Engineers (AIChE), the American Society of Civil Engineers (ASCE), and the Institute of Electrical and Electronics

Engineers (IEEE). The symposium will provide a primer on the federal budget process as well as provide firsthand knowledge of the administration's R&D priorities and the potential impact of the fiscal year 2005 budget request on the science, engineering and technology community.

Contact: Kathryn Holmes at holmesk@asme.org.

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

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

5 Xs. If you know algebra, you can figure this out by setting up an equation, expressing Y and Z in terms of X's.

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

How can you make 5 twos equal five? Here's a solution that uses 5 twos — plus mathematical symbols that make the equation true.

$$2 \times 2 \times 2 + 2 \div 2 = 5$$

For each of the three rows below, insert the mathematical symbols (+, -, ÷, ×) that will make the equation correct for someone calculating from left to right.

a. 3 3 3 3 3 = 5

b. 4 4 4 4 4 = 5

c. 5 5 5 5 5 = 5

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

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.

LeTourneau Mountain Mover Historic Mechanical Engineering Landmark

In ceremonies Nov. 29 before nearly 1,000 students at LeTourneau University, Longview, Texas, ASME designated the LeTourneau Mountain Mover as a Historic Mechanical Engineering Landmark. On display in the R.G. LeTourneau Memorial Park near the entrance of the university, this earth-moving scraper was designed and built by inventor R.G. LeTourneau in 1922 and was the first use of "telescopic buckets" to move four times more dirt than traditional scrapers. Contact: Wil Haywood at haywoodw@asme.org.

Young Engineer (YEC) Network

The new grassroots Young Engineer Correspondent (YEC) network helps early-career ASME members organize, to spur local YE activity. Early-career engineers need the tools often found within existing organizations like sections and divisions, creating an opportunity for increased networking, leadership opportunities, motivating others, and making ASME more responsive to their needs. Young engineers can visit the new Community of Practice YEC at <http://cop.asme.org/COP>.

Contact: Justin Young at eccinfo@asme.org.

Supporting young engineers following their graduation, nominations for the YE Award must be received no later than March 1, 2005. The award recognizes ASME members that have made great strides in the engineering profession, community and the work of the society and has continuous membership since becoming an ASME student member and earned a baccalaureate degree in mechanical engineering between the years March 1, 1999, and March 1, 2001. Visit:

<http://www.asme.org/cma/og/youngengineer.html>.

Contact: Cheryl Hasan at hasanc@asme.org.

ASME TURBO EXPO 2005

Celebrating its 50th Anniversary in 2005, ASME TURBO EXPO 2005, Power for Land, Sea and Air, to be held, June 6-9, in Reno, Nev., will focus on the role gas turbines will play in the future of transportation and power generation within today's global economy. Brian H. Rowe, chairman emeritus of GE Aircraft Engines will moderate a panel that includes David L. Calhoun, president and chief executive officer at GE Transportation; Louis Chenevert, president of Pratt & Whitney; John G. Rice, president and chief executive officer of GE Energy; Sir Ralph Robins, former chairman of Rolls-Royce; and Randy H. Zwirn, president and chief executive officer at Siemens Westinghouse Power Corp.

Visit: <http://www.asme.org/igti/events/te2005/>.

Contact: Kevin Gaffney at gaffneyk@asme.org.

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Visit: <http://www.asme.org/igti/events/te2005/>.

Contact: Kevin Gaffney at gaffneyk@asme.org.



AMERICAN SOCIETY OF MECHANICAL ENGINEERS

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



Canaveral ASME Program Year 2005 Calendar

<u>July</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>
No Event Planned	<i>Tour: Brevard Zoo "Wild Side" Outing</i> Date: Aug 15 Location: Viera POC: Leanna Konowicz (KONOWMLC@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)

<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>
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: [Redacted] (M[Redacted]@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)
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<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>June</u>
FIT Student Section Dinner & Design Presentation Date: Mar 30 Location: Melbourne POC: JD Van Gilder (jvangild@harris.com)	<i>Tour: NSLD</i> Date: TBD Location: Cape Canaveral POC: Stephanie Hopper (STHopper@xch-bsco-06.ksc.nasa.gov)	DL Speaker (Joint Effort with Florida West Coast Section) Date: TBD Location: TBD POC: Alan Zakaluk (azakaluk@harris.com)	Speaker/Tour: TBD Date: Jun TBD Location: TBD POC: TBD



Wednesday, January 12, 2005

Time: 6:00pm - 8:00pm

Location: Holiday Inn on A1A

Cocoa Beach, FL

Canaveral ASME Awards Banquet

Join us as we recognize our members who have reached long term member status in ASME. Those members who we will be recognizing are:

25 years

Henry Rhodes
Stephen Herridge, P.E.
Krzysztof J. Dabkowski

50 years

Joe Visnich
Robert Culmer, P.E.
Howard Irwin, P.E.
James Cullen, P.E.
Milton Feldman
William Bahm, P.E.

Life Member

J. Charles Sawyer
Henry M. Healey, P.E.
Eugene Wojewoda
Frank Barretta
Joseph S.W. Chi, PH.D, P.E.
Malcolm Mansfield

Life Fellow

Tom Bowman, PH.D.

For our evenings presentation J. Tal Webb, past Canaveral Section Chair and Regional Vice President, will be speaking on “**Continuity and Change in ASME**”.

This is an on-going restructuring of how ASME does business and provides service to us here at the local level. Don't miss out on finding out more about the future of ASME that these changes will bring while keeping in tact the benefits enjoyed.

After the presentation the awards will be given out to recognize our members.

Social: 6:00pm to 6:30pm

Dinner: 6:30pm to 7:15pm

Dinner Choices

Chicken Picatta, London Broil, or Vegetarian

Dinner Cost:

Members & Guest: \$21 Students: \$15

Awards Presentation & Guest Speaker: 7:15pm to 8:00pm

RSVP to: Dan Johnson - djohns08@harris.com or by phone at 321-729-3686.



*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