

Executive Committee Chair
Dan Johnson
Work: 321-729-3686
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Executive Committee
Vice-Chair
Paul Burke

Treasurer
John Van Gilder

Secretary
Will Judd

FIT Student Advisor
John Van Gilder

FIT Student Section Chair
Adrienne White

Industry Relations
Scott Seigel

Membership Development
Leanna Konowicz

Member Interests
~ Open Position ~

Minorities & Women
Stephanie Hopper

Newsletter Editor
~ Open Position ~

Professional Development
Scott Seigel

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...

Election of New Officers for 2006 Program Year

It is that time of year again where we offer you the slate of new officers for next year and give you an opportunity to vote for them or write in alternate choices. This year the candidates for the 2006 Program Year which starts in July this year are as follows:

Executive Chair: Paul Burke

Vice Chair: Hugh Bain

Treasurer: John Van Gilder

Secretary: Will Judd

Please respond to Dan Johnson at johnsond2@asme.org with your endorsement or your write in candidates and their position.

Thanks again for taking part in your local ASME section by supporting the variety of interesting and topical engineering subjects and tours we offer. You can't benefit if you don't attend, so don't miss out and sign up today!

As always, please see our web page at <http://sections.asme.org/canaveral/> for further information of this 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/>

NSLD Tour this April!

Unfortunately, we had to cancel this event this time around. We just did not get enough folks to sign up to let us make this event happen. We'll try again at a later date once things are up and running again with the Shuttle.

Thanks again to Stephanie Hopper for working to set up the event for us.

What's happening at Florida Tech

Our last meeting was the annual Engineering Banquet at Florida Tech where the Student Section puts on a dinner and Senior Design Project Presentation. This year, unfortunately, we had a poor turnout of Senior Section members. This is suppose to be one of the those times during the year where we can get out and help support the local student chapter and University by taking an active part in interacting and encouraging these future mechanical engineers. Maybe next time we can step up to the plate a little better to help these young bright minds out.

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 S.E.A.

The Treasure Coast Senior Engineers Association (Part of ASME Canaveral Section) will hold their May meeting on 20th of May at 10:00 in the Council on Aging conference room. The Council on Aging is located at 688 14th Street, Vero Beach. The speaker will be Mr. Lee Boyland who will discuss his novel "The Rings of Allah" and terrorist's ability to attack America with weapons of mass destruction. Mr. Boyland has a degree in nuclear engineering and served in the U.S. Army as an Explosive Ordnance Disposal officer and a member of the Defense Atomic Support Agency's Nuclear Emergency Team. Contact Kelly Mather at Kelly [southmoon@bellsouth.net] if you would like more information or to sign up for this interesting discussion.

Meetings are typically 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 southmoon@bellsouth.net.

Vero Beach Power Plant Tour

Our last tour of the Program Year ending in June will be a tour scheduled for Saturday, June 4 of the Vero Beach Power Plant. We will meet at 9:40 at the power plant and begin the tour at 10:00 am. It will last about an hour and should prove to be very interesting. See the attached flyer for further information and directions.

The Vero Power Plant is very easy to find. It is at the intersection of Indian River Boulevard and 17th Street; right at the 17th Street Bridge ramp to the beaches.

Sign up today with Dan Johnson at johnsond2@asme.org.

UPCOMING ASME SHORT COURSES FOR DESIGN

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

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

- Fundamentals of Fastening Systems
- Design of Bolted Flange Joints
- Geometric Tolerancing

For a complete list of courses, dates, locations, and registration information visit <http://www.asme.org/education/shortco/>

3D Printer Available For Hire

Turnkey Electronics Group, a local engineering firm in Melbourne (north of the mall), just acquired a 3D printer and it is available for hire. The rapid prototyping machine they have is an FDM (fused deposition modeling) style made by Dimension. It is best suited for making functional prototypes for proving or visualizing a design.

<http://www.dimensionprinting.com/3Dprinting.html>

The machine specifications are:

Material: ABS, (available in white, red, yellow, green, yellow and blue)

Table size: 8 x 8 x 12high (largest part 11 x 12 x 1)

Tolerance: +/- .005

Layer Thickness: .010 Minimum

Wall thickness: .02

File Format .STL

24 hour turn, same day turn in some cases.

The owner has indicated he would be happy to supply samples of parts and demonstrate the unit. Inquiries should be directed to:

Ken Brace

Turnkey Electronics Group, Inc.

1335 Gateway Dr., Suite 2016

Melbourne, FL 32901

321.536.2611

321.724.8822 (Fax)

kbrace@bilstech.com

<http://www.turnkeyeg.com/>

May Distinguished Lecturer Event

We will enjoy our third distinguished lecturer of the year this coming May 10. We will meet at Florida Solar energy Center on Clearlake Road in Cocoa at 6:00PM for barbecue dinner followed at 7:00 PM for the presentation to listen to Mr. John T. Bozewicz, and his topic will be **"From Engineer to Manager: A Roadmap for a Successful Transition"**.

About the Presentation:

Most engineers will at some point in their careers assume a management role (e.g., as a project manager or team leader) or consider a move into a full-time management position. The change in role is usually quick to occur but in few cases has there been any preparation to assist in a smooth transition. As a result most engineers are not aware of what being a new manager is all about before it's thrust upon them. Would you be ready for the change? What should you really expect? What are the critical things you need to know as a new manager?

This session will be a practical look at some of the key elements in preparing for a successful transition from technical professional to manager. As opposed to being a "How To Manage" session, the speaker will relate lessons he has learned as he crossed over into management and assumed increasingly responsible management positions. He will share lessons from his personal experiences that have enhanced his effectiveness and the "little things" that can assist the attendee in becoming an effective manager - be it as a project manager, team leader or as a full-time manager in a supervisory position. If you are an engineer about to assume a managerial role, an engineer who may be contemplating a move into management or even if you are a new manager who is now experiencing some managerial growing pains, this session is for you. And for the student engineer or early career professional, it's never too early to consider the requirements and steps to be taken in preparing for future management roles and positions.

About the speaker:

John T. Bozewicz is a Division Head at the Naval Surface Warfare Center (NSWC), in Philadelphia, Pennsylvania, responsible for the Machinery Information, Sensors and Control Systems Division at his organization. He has more than 24 years of engineering and management experience in various positions with NSWC. Mr. Bozewicz has a B.S. degree in Mechanical Engineering from Drexel University and an M.S. degree in Engineering Management also from Drexel. He is a graduate of the University of Tennessee's Executive Education Program.

Don't miss out on this opportunity! Mark your calendars and sign up today with with Paul Burke at 941-473-7056

Student Activity Calendar

May

May 16 Student Manufacturing Design Competition – project description due

June

June 1 Letter of intent for Hydro Power Contest

June 10 Solid Waste Processing Division – Scholarships for graduate and undergraduate study – application due

June 16-18 Universidad Simon Bolivar's IV Annual Student Engineering Congress – Caracas, Venezuela

June 30 Student Section officer listing due

June 30 Student Section financial report due

July

CCTS Golfing Outing for Education at Florida Space 2005

CCTS is Golfing for Education at Florida Space 2005 (Nov. 18, '05). Warm up "Billie Blue" (your favorite putter), dust off your rubber spiked fairway shoes, shine up your clubs, and line up (no cutting or pushing) to support your CCTS in this year's event.

The CCTS Officers and Directors are asking each of our societies to take an active hand in volunteering, directing, scheduling, and coordinating parts and pieces of this event. Many hands make light work. Everything will run smoother if we all pitch in.

The Golf for Education Tournament is a major fund raiser for CCTS this calendar year. Please alert the Secretary of your preferred commitment ASAP. First come first served. In case of a tie, the Secretary shall disavow any knowledge of your actions.

Thank you for you're ACTIVE participation.

Richard E. Young, PE, Secretary, Canaveral Council of Technical Societies

<http://www.canaveralcts.org>

NEW ASME Benefit Launched

ASME has formed an alliance with the leading management and business seminar provider, American Management Association (AMA) Now ASME members can take advantage of AMA's popular management courses and seminars at a preferred rate —at least a 10% savings.

AMA has an impressive track record for providing practical, real-word business training to some of the biggest names in engineering and to many Fortune 500 companies. More than 500,000 AMA customers a year learn new skills, gain more confidence, advance their careers and contribute to the success of their organizations through a wide range of AMA seminars, conferences and executive forums. As an ASME member, you receive significant savings on these invaluable educational resources, including:

- **At least 10% savings** or AMA member pricing on all seminars, books, conferences and e-learning courses
- **Unlimited access to AMA's Member's Only-Website** with career tools and management information
- **Special reduced-rate invitations** to member-briefings on current topics
- **CEUs and professional development** units for many accreditation programs
- **On-Site seminars** to give your organization the best value

To learn more about this new ASME benefit, or to peruse AMA's online catalog, visit www.amanet.org/alliances/asme. To take advantage of one of the many educational opportunities offered by AMA, call 877-765-3634 and provide the exclusive ASME discount code: **AMA-ASME**

ASME THE 2005 CONGRESS IS SET FOR ORLANDO

The one event for all engineers, the 2005 ASME International Mechanical Engineering Congress and Exposition, will be held Nov. 5-11 at the Walt Disney Swan and Dolphin in Orlando. The Congress will feature a broad range and multidisciplinary technical programs, industry track session and a world-class exposition showcasing the newest designs, innovations and technological advancements in engineering. The Congress is a premier forum for presentations, technical exchange and networking. The keynote speaker will be Col. Mike Mullane, NASA Shuttle Astronaut and Novelist.

For more details visit the Congress Web site at <http://www.asmeconferences.org/Congress05/>

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

February: B. Imre, W. Daffron, C. Fortenberry, JD Van Gilder, B. Cunneen, A. Torsney, C. Herbert, D. Wadzinski, T. Bowman

March-April: Allan Torsney, Luca Ferrero, Bill Imre, Willie Daffron, JD Van Gilder, Cindy Fortenberry, Corey Herbert, David Wadzinski, and Alexa Chasar

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

Dad was wearing sneakers and a sweatshirt and ate peanuts.

Big Brother was wearing loafers and a jacket and had ice cream to eat.

Little Brother was wearing sandals and a sweater and ate a hot dog.

Here is the new Brain Teaser for this month:

Use all twenty-six letters of the alphabet to complete the following eleven words, but use each letter only once in the course of this puzzle. To keep track of which letters you use, print this page and cross off the letters:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1. __ a __ z

2. __ u i e __

3. __ u __ c a

4. e __ t r __

5. __ i o __ __ n

6. __ a __ __ f u l

7. __ r o __ __

8. __ e __ __ a t

9. __ __ a l a

10. __ o l a __

11. __ o r c __ p i n e

Good Luck! Send your response to Dan Johnson at johnsond2@asme.org

Invited Talks at Integrated Nanosystems 2005

Don't miss invited talks at Integrated Nanosystems 2005 from Floyd Kvamme of Kleinger, Perkins, Caufield & Byers; Nanomanufacturing : Rod Ruoff of Northwestern University and Ray Baughman of the University of Texas at Dallas; Devices & Systems : Masud Mansuripur of University of Arizona, and Karl F. Bohringer of University of Washington; and for Nanoscale Phenomena : Kenny Breuer of Brown University, and Zhifeng Ren of Boston College.

ENTER A CONTEST TO WIN \$10,000 - Submit your 2-page executive summary for the Nanotechnology Commercialization Showcase to <http://www.asmeconferences.org/Nano05/Showcase.cfm>

Don't forget to also submit your two-page extended abstracts before May 2005 to Integrated Nanosystems in the areas of Devices and Systems; Nanoscale Phenomena; Nanomanufacturing; and General Topics.

<http://www.asmeconferences.org/nano05>

The conference will be held from September 14-16, 2005 in Berkeley, California.



AMERICAN SOCIETY OF MECHANICAL ENGINEERS

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



Saturday, June 4, 2005

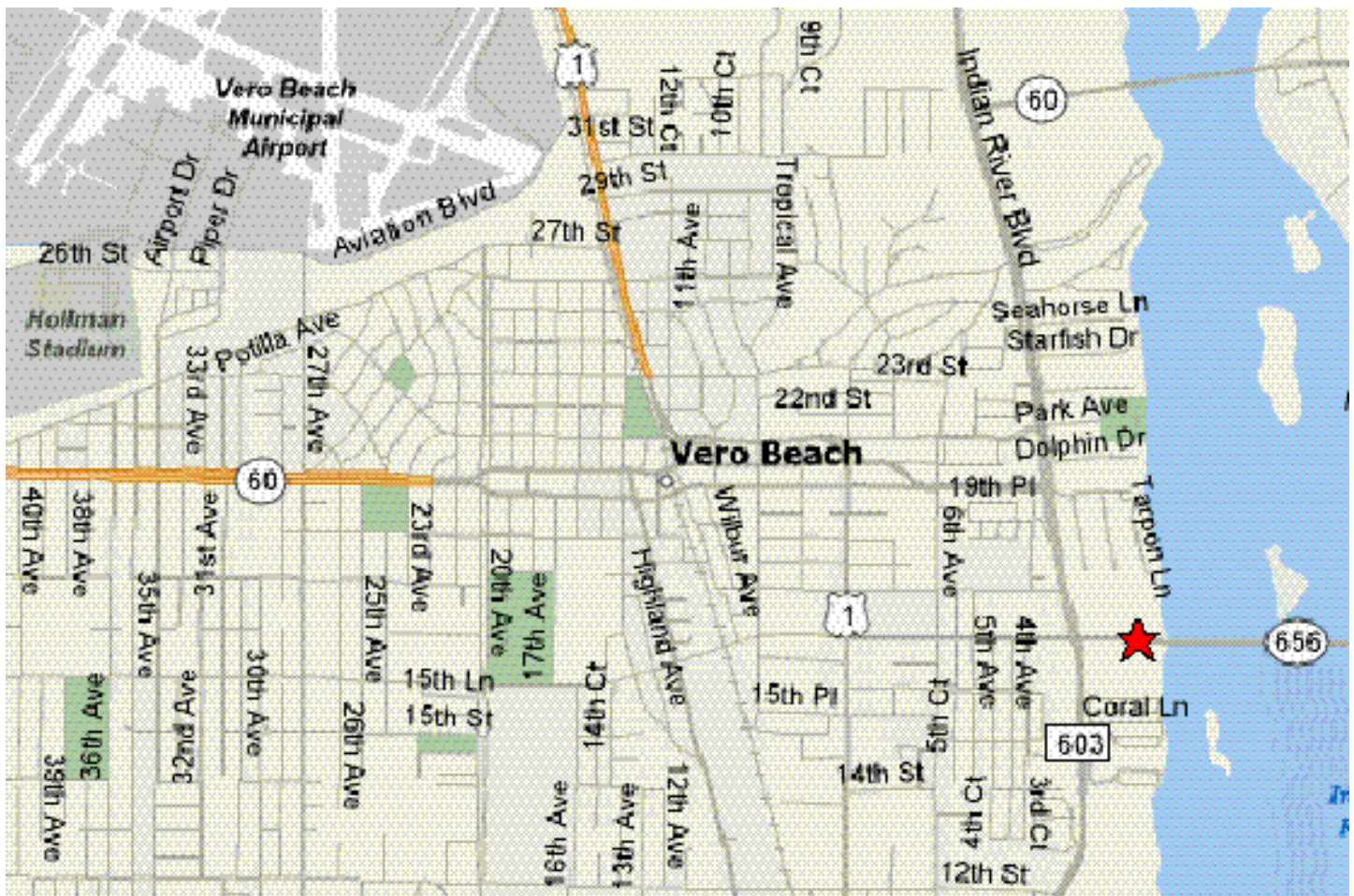
Time: 9:40am - 11:30 am

**Vero Beach City Power Plant: 772-978-5050
100 17th St Vero Beach, FL 32960, US**

Tour of Vero Beach Power Plant

Join us as we tour the Vero Beach Power Plant and get to see the inner workings of a local electric power generation plant. This ASME sponsored tour is open to family and friends and will start at 10:00 am.

This will be a walking tour so bring your comfortable shoes, a bottle of water, and maybe a little sunscreen just to play it safe.



Directions:

Take I-95 or US1 South; Turn East on Hwy 60; Turn South on Indian River Blvd; Turn East on the 17th Street Causeway leading to the coast; Look for signs for the Power Plant

If you get on the bridge or to the barrier island, you've gone too far

RSVP to: Dan Johnson - johnsond2@asme.org or by phone at 321-729-3686.

Canaveral ASME Program Year 2005 Calendar

July	Aug	Sep	Oct
No Event Planned	<i>Tour: Brevard Zoo "Wild Side" Outing</i>	Speaker: Dan Koenig on Engineer Entrepreneur	<i>Tour: AF Missile Museum</i>
	<i>Date: Aug 15</i>	<i>Date: Sep 22</i>	<i>Date: Oct 16</i>
	<i>Location: Viera</i>	<i>Location: FSEC</i>	<i>Location: Cape Canaveral</i>
	<i>POC: Leanna Konowicz (KONOWILC@usa-spaceops.com)</i>	<i>POC: Dan Johnson (djohns08@harris.com)</i>	<i>POC: Jack Wiles (jwiles@webtv.net)</i>
			DL Speaker: Dr. Rhode on Virtual Product Development
			<i>Date: Oct 20</i>
			<i>Location: FSEC</i>
			<i>POC: Alan Zakaluk (azakaluk@harris.com)</i>
Nov	Dec	Jan	Feb
Mini-Topic Evening: Hugh Bain's experience in Iraq, & Florida's Blood Center	<i>Tour: Ice Skating Rink (Joint event with FIT Student Section)</i>	Award's Banquet with Speaker: J. Tal Webb on "Continuity & Change"	CCTS E-Week Banquet with DL Speaker David G. Alciatore, "The Illustrated Principles of Pool and Billiards"
<i>Date: Nov 20</i>	<i>Date: Dec 9</i>	<i>Date: Jan 12</i>	<i>Date: Feb 18</i>
<i>Location: Florida Tech in Melbourne</i>	<i>Location: Rockledge</i>	<i>Location: Holiday Inn/Cocoa Beach</i>	<i>Location: Holiday Inn/ Cocoa Beach</i>
<i>POC: Dan Johnson</i>	<i>POC: JD Van Gilder (jvangild@harris.com)</i>	<i>POC: Dan Johnson (djohns08@harris.com)</i>	<i>POC: Alan Zakaluk (azakaluk@harris.com)</i>
		<i>Tour: Mather's Bridge</i>	E-Week Speakers
		<i>Date: Jan 22</i>	<i>Date: Feb 21-25</i>
		<i>Location: Indian Harbor Beach</i>	<i>Location: Brevard County Schools</i>
		<i>POC: Will Judd (WEJudd@xch-bsco-06.ksc.nasa.gov)</i>	<i>POC: Stephanie Hopper (STHopper@xch-bsco-06.ksc.nasa.gov)</i>
Mar	Apr	May	June
	<i>Tour: NSLD</i>	John Bozewicz, DL Speaker "From Engineer to Manager: A Roadmap for a Successful Transition" (Joint Effort with Florida West Coast Section)	<i>Tour: Vero Beach Power Plant</i>
	<i>Date: Week of the 11th</i>	<i>Date: May 10</i>	<i>Date: June 4</i>
	<i>Location: Cape Canaveral</i>	<i>Location: FSEC</i>	<i>Location: Vero Beach</i>
	<i>POC: Stephanie Hopper (STHopper@xch-bsco-06.ksc.nasa.gov)</i>	<i>POC: Alan Zakaluk (azakaluk@harris.com)</i>	<i>POC: Dan Johnson (johnsond2@asme.org)</i>
	FIT Student Section Dinner & Design Presentation	ASME Industry Event at Sun-tree CC w/ Guest Speaker Lee Hawkins	
	<i>Date: April 12</i>	<i>Date: TBD</i>	
	<i>Location: Melbourne</i>	<i>Location: North Melbourne</i>	Legend:
	<i>POC: JD Van Gilder (jvangild@harris.com)</i>	<i>POC: Paul Burke</i>	Indicates Status Confirmed