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See Our Web Page for Contact

Information:
<http://sections.asme.org/canaveral/>

Message from the Chair...

Welcome to November! Where is the time going? Halloween has come and gone and we are quickly approaching Thanksgiving and then the holiday season will be here before you know it. It has been such a great experience to work with Canaveral Section staff and members. We have sponsored a number of events this fall and the attendance continues to grow. We invite you all to take advantage of the opportunity to meet other local professionals at these events. Bring some business cards and spend a few minutes letting others know what you do and share your experiences and challenges. I'm a tremendous fan of life-long learning. With the talent found among our section members I believe you'll find something new to learn by listening to the event presenters and by interacting with your fellow Section members.

During October we had two great events. We had good turnout for the St. John's River Water Management District and the issues involved with a proposed water desalination plant. On October 20th we were treated to a tour of the Coast Guard Cutter Confidence. These were great opportunities to learn something about local and federal services. There is a change to the schedule for November and December. The Rockwell Collins event remains unchanged, however the Structural Composites event is being swapped with the 3-D Printing event due to some scheduling problems. Rockwell Collins will be presenting at the Melbourne facility on their avionics work in support of the Boeing 787 and a discussion on their fabrication facility. The 3-D Printer event will be presented by Turnkey Electronics at their facility in Melbourne. I was treated to a sneak peak of this process a couple of weeks ago; check this out if you can.

The ASME Canaveral Section Professional Development Course CRYOGENICS FUNDAMENTALS that was scheduled for November 8-11th, 2005 has been postponed. It will be rescheduled or a date in early in 2006. This course reviews the development of the field of cryogenics along with a presentation of some of the present day low temperature applications. It will familiarize you with the behavior of common engineering materials as well as the behavior of commonly used cryogenic fluids. Illustrations of cryogenic liquefaction systems are featured as are, systems for the production of liquid hydrogen and liquid oxygen. This course will show how the components of air (and in particular, oxygen) may be separated to produce the almost pure liquids. In addition, some techniques which may be used to purify gases are presented. **Contact Scott Seigel soon @321-433-3440 to Register.**

Newsletter Editor:

We would like to have someone volunteer to assume the Newsletter Editor position for the Section. The Section has Microsoft Publisher and Adobe Acrobat software for use in drafting and publishing the newsletter. If you have a couple of hours per month available and would like to help us out please contact me to talk about it. Ideally we will have a primary and an alternate editor. This is a great opportunity to participate in a professional society and perhaps a good bullet for your personnel records!

Annual Awards Dinner Committee:

Dan Johnson continues to dedicate time and effort to the section by volunteering to help out with planning the Canaveral Section Annual Awards Dinner. Thank you again Dan. If you would like to help out please contact Dan (johnsond2@asme.org). The event is tentatively planned towards the end of January. Watch our web page and future newsletters for word on this event.

Best Regards!

Tom Moriarty, PE, CMRP
(321) 773-3356 or
tjmpe@alidade-mer.com

Items of Interest

News items have just been posted on the ASME News Web site, exclusively at <http://www.asmenews.org/latebrk/latebrk.html>.

Among the just-added articles are:

- **The ballpoint pen developed by Ladislav Biro in 1943 was named an ASME Historic Mechanical Engineering Landmark last month.**
- **Applications are now being accepted from ASME student sections for the 2005–06 Diversity Action Grant Program.**
- **Coming in the November issue: The U.S. Department of Energy has entered into a cooperative agreement with ASME Standards Technology Inc.**

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 S.E.A.

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.

Meetings will typically be held on the third Friday of the month.

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/>

Observations About Our Section Members

One of the things the Section Chair has access to is the Section roster. Being a curious person I decided one day to see what the characteristics of our membership showed. So, I sorted our section roster a couple of different ways and found some interesting things. I'll share what I found because it may be interesting to some of you. First, a disclaimer... I know a number of folks probably don't list their employer in their ASME profile, and there are some folks that changed jobs, so let's not be overly analytical about the details; it's the general trends and indications that were interesting to me. Our membership varies slightly from month to month, but there are about 335 including members and student members.

The first sort was by employer name to see how many members belonged larger organizations. I was a little surprised by the findings; United Space Alliance was tops with 24, followed by Florida Tech (22), Boeing (15), Harris (14), NASA (8), Florida Solar Energy Center (5), General Physics (5), Lockheed Martin (4), Reynolds Smith & Hills (4), Main Stream Engineering (3) and Northrop Grumman (2). This means that approximately 32% of the Section membership were from these 11 employers.

Next I sorted the database on primary area of interest. There were nine areas of interest that had ten or more persons that selected the area of interest. The highest was aerospace (go figure... at 89 members), followed by design engineering (43), management (30), dynamic systems and controls (13), no interest selected (interesting... 12), applied mechanics (11), heat transfer (11), materials (11) and my personal favorite and the interest area I selected as my primary interest... plant engineering and maintenance (11). About two-thirds (69%) of our membership are represented by these nine areas of interest. Several other technical interests showed up with multiple members; advanced engineering systems, bioengineering, computers and info systems, electronic/photonic packaging, fluids engineering, environmental, fuels and combustion, internal combustion engines, manufacturing engineering, micro electro-mechanical, NDE, noise control, nuclear engineering, ocean, offshore and arctic engineering, petroleum, power, piping and pressure vessels, process industry, rail transportation, safety engineering & risk, solar, solid waste, textile and Tribology.

Sorting on Member Status the largest group category is member (215) followed by life members (67), and student members (graduate and undergraduate, 24). We have five Fellows (one Retired Fellow and 4 Life Fellows) and some assorted affiliate members and a couple of other special category members.

So what does all this mean? Well to me it means that we have a pretty diverse group of engineers. We'll take a look at some other sorts next month. Come out to our events and share your experiences and interests with the rest of us.

ASME Young Engineers Forum ORLANDO, FL, NOVEMBER 5-6, 2005

At the [2005 ASME Young Engineers Forum](#), learn how to make smart investments, refine your resume writing and presentation skills to land the job you want, or get advice from established entrepreneurs and realize your dream of running a business.

No matter where you are in your career. The program features several different tracks - you choose the one that best suits your needs.

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Lean Manufacturing
Wednesday, November 9, 2005

Thanks to Tal Webb for bringing this to our attention!

coming soon:

- * How to turn Maintenance into a Profit Center
- * Renewable & Clean Energy
- * Liquefied Natural Gas

For more information or registration, please visit <http://www.asme.org/education/disted/webinar.htm> or contact <mailto:kungs@asmestaff.org>

Fall 2005 Events October 2005 - January 2006

Mark your Calendars - 2005 Canaveral Section Events					
Date	Event	Location	RSVP Date	Contact	Contact Info
October 5	Indian River Lagoon Salinity Study	FSEC	Oct 3	Alan Zakaluk	azakaluk@harris.com
October 20	US Coast Guard Cutter CONFIDENCE Tour	US Coast Guard Moorings Port Canaveral	Oct 15	Tom Moriarty	tjmpe@alidade-mer.com
November 2	Rockwell Collins Tour	Rockwell Collins Melbourne Facility	Oct 28	Hugh Bain	ehbain@rockwellcollins.com
November 17	Turnkey 3-D Printing (Solid Modeling)	Turnkey Electronics, 1335 Gateway Dr., Suite 2016, Melbourne, FL 32901	Nov 14	Dan Johnson	Johnsond2@asme.org
December 14	Structural Composites, Inc., Composites Presentation	Florida Solar Energy Center	Dec 10	Tom Moriarty	tjmpe@alidade-mer.com
January	ASME Canaveral Section Annual Awards Dinner	TDB			



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