

The Canaveral Flyer

A Newsletter of the Canaveral Section of ASME International

VOL XLVI, ISSUE I

SEPTEMBER 2003

Executive Committee Chair

Dan Johnson

Work: 321-729-3686

Home: 321-733-5707

Executive Committee

Vice-Chair

Stephanie Hopper

Treasurer

Ken Cook

Secretary

Will Judd

FIT Student Advisor

Dr. Hector Guittierez

FIT Student Section Chair

Joe Clark

Industry Relations

Keith Conaughty, PE

Membership Development

Leanna Konowicz

Member Interests

Mark Greby, PE

Minorities & Women

Stephanie Hopper

Newsletter Editor

Dan Johnson

Professional Development

Scott Seigel

FSEC Representative

& WEB Master

Dave Chasar

Web Page:

<http://www.asme.org/sections/canaveral/index.html>

RENEW YOUR MEMBERSHIP!

Message from the Chair...

Canaveral Section named Best Large Section in Region XI for Fourth Year in a row!

A new world record, well at least in known universe of ASME International it is! Four years is quite an accomplishment and something we can all be proud of as members of our section. It was all due to the meeting topics, guest speakers, tours of local industry, professional development courses we offered, and the joint meetings with other technical societies located in Brevard and Indian River Counties that allowed us to reach the pinnacle once again this year!



The award was announced at this years PLS in Tallahassee. In the photo above starting on the left is **Scott Seigel**, **Paul Burke**, Regional Vice Presidanet Lee Crawford, **Dan Johnson**, and **Leanna Konowicz**.

What are we going to do to top this achievement this coming year? We'll stick with what works and add some new spice to the mix in an effort to make our section even stronger. You have read in recent newsletters about our section leadership reorganization effort to have more effective committees in **Education, Membership, Industry/Professional Development, and Public Relations/Marketing**. It is our goal to better publicize our events, have a stronger tie to local industry, to better connect with K-12 school system, and provide professional growth opportunities both through the PD courses we offer and the leadership roles you can get involved in by becoming more actively involved. We want to provide a welcome and open place on a local level where members can participate and get the most out of their ASME membership.

I look forward to an exciting year as we push on towards our goal of being named Best Large Section for a Fifth year in a row! Will we get there; come on out and see. Better yet, ask how you can get involved to help us make this a reality!

Dan Johnson

Preview of Coming Attractions

Mark your Calendars - 2003 Canaveral Section Events

Date	Event	Location	RSVP Date	Contact	Contact Info
Sept. 11	NSLD (NASA Shuttle Logistics Depot) Tour	NSLD	Sept. 9	Stephanie	STHopper@xch-bsco-06.ksc.nasa.gov
Nov. 5	Distinguished Lecturer: Orthopedic Engineering	Holmes Hospital, Melbourne	Nov. 3	Alan	azakaluk@harris.com
Nov. 15	Fantasy of Flight Tour	Fantasy of Flight	Nov. 13	Dan	djohns08@harris.com

Upcoming Events

Oct.	Mini topic Night: Shuttle Recovery, Orbiter	Florida Tech	TBA	JD	ivangild@harris.com
Nov.	Barbecue	TBA	TBA	Dan	djohns08@harris.com
Dec.	Family Event	TBA	TBA	Dan	djohns08@harris.com
Jan.	Drawbridge Tour/Meet	TBA	TBA	Will	

Please see our web page at <http://www.asme.org/sections/canaveral/index.html> for further information of these and other events coming up soon.

Exemplary Science Teacher Awards

ASME's Canaveral Section took part in the Fifth Annual Brevard County Exemplary Science Teacher Awards Dinner held on August 5 at BCC Planetarium in Cocoa. This was the third year that we had sponsored a table at the event where our local science teachers are recognized by their peers and the community for the hard work that they do to inspire our children. **Scott Seigel** and his daughter Malissa, along with **Dan Johnson** and his wife Diane sat with one of last years winners Diane Shoeman and her husband Larry and got to find out first hand some of the exciting things going on in the science class rooms of Brevard County. This years winners come from all over Brevard and they were...

- Maria V. De Christofano of West Melbourne School for Science
- Dr. Scott McCord from Astronaut High School
- Laura McGlothlin of Kennedy middle School
- Alberta Ruth Owens from DeLaura Middle School
- Lisa Scott of Satellite High School
- Teresa Sikora from Gardendale Elementary Magnet School
- Debra Verity of Harbor City Elementary
- Terry Williams form Croton Elementary

It is fantastic that these wonderful teachers are inspiring kids to take a real interest in science at such an early age as demonstrated by three out of eight of the teachers being picked from the elementary school ranks.

Congratulations to Brevard County Schools for the effort and love they put into teaching the next generation of engineers, scientists, and problems solvers.

Professional Leadership Seminar

The Professional Leadership Seminar (PLS) is an annual meeting held in Region XI where sections send representatives to learn how to become more effective leaders for their section. This year Canaveral was able to send three delegates to participate and they were **Paul Burke** (Marketing Committee, **Leanna Konowicz** (Membership), and **Dan Johnson** (Chair). The day and a half session was hosted by the Tallahassee Section where we had discussion sessions with our new Regional Vice President Lee Crawford, training on how to retain and recruit members, and a class on how to be a more effective leader for the section. Besides the training and discussion topics, we got to meet with representatives from our neighboring sections Florida, West Coast, West Palm, and Jacksonville to discuss potential for joint meetings and sharing speaking resources. This type of interaction makes our sections more cohesive and stronger all around. The meeting also gives a chance to recognize those sections in our region that have done well over the past year. This year Chattanooga was recognized as the best small section (under 300 members) and yes, that's right, your own **Canaveral Section** was named Best Large Section for the fourth year in a row! We are seen by other sections as being a model to hold up as an example not only to our region, but those around the country and the world that make up ASME International.

What's happening at Florida Tech

The new school year is quickly approaching and with it comes the numerous guest speakers, plant tours, design contests, and don't forget the pizza that are all part of ASME Student Section membership. **Dr. Hector Guitierrez** will be the Student Section Advisor again this year and will have Canaveral Section Liaison **J.D. Van Gilder** to help make this year a success. The schedule of events will be worked out in planning meetings with Student Section Chair **Joe Clark** and the other members of the student section leadership are all back in town over the next couple of weeks.

Past student section advisor **Dr. Pierre Larochelle** is back from his sabbatical. He will be serving as Assistant Vice President for Education for Region XI reporting to Lee Crawford, our new Regional VP. Congratulations to Pierre on this accomplishment and I know he will do a fine job for our region.

The Student section looks forward to opportunities to meet with Canaveral Section members by always leaving their meeting room doors open to members of the senior section who want to take part. There is always a need for folks to serve as judges in the design competitions, to be mentors, or to just give real world experiences you have encountered as working engineers.

To get in contact with the Florida Tech Student Section please do not hesitate to contact **JD** at jvangild@harris.com

Treasure Coast SEA

We were all saddened at the passing of **Ed Holden**, the Chair of our Treasurer Coast Senior Engineering Association down in Vero Beach, due to cancer this past summer. The section leadership will be getting together over the next few weeks to plan out what they would like to accomplish this coming fall and spring. They are an active group of retired professionals who like to stay current in the technical arena and meet with friends on a monthly basis. Keep an eye out for their meetings, lecture topics, and tours in our upcoming newsletters and on our web page to see if you might just want to join them!

What's in it for me?

This is the first installment of something new we wanted to add to the newsletter. It will be a chance to get feedback from members in our section on why they value their membership in ASME and what they get out of it. For some people it will be the low cost group rate insurance, while for others it will be the Professional Development courses. Some will stay involved because of the local plant tours and others will do it for the opportunity to work with students and promote engineering. Everyone has their own reason or motivation to pay their dues every year and renew their membership.

I joined ASME in 1997 when I came back to work at Harris GCSD in Palm Bay. I originally joined because I felt that it was the right thing to do, to become a member of a professional organization. For the first couple of years I was not active in ASME at all due to staying busy with my job, taking courses for my MBA at Florida Tech, spending time with family, and chores around the house. I was given an opportunity by past Chair **Scott Seigel** when he sent out a request for help in the summer of 2001. He needed a person to serve a Liaison between the Florida Tech Student Section and Canaveral section to help then Student Section Advisor **Dr. Pierre Laroche**. I thought it was time for me to get active in ASME and took on the role and have not regretted it once. It was a great joy working with **Dr. Laroche** and the student section leadership to set up guest speakers for their meetings or organize plant tours. I found it to be very rewarding to see the student members get an opportunity to find out more about the practical application of engineering science and help remove some of the fear about what they would expect to find when they entered the workforce. The organizational and logistical skills that I picked up in setting up the student events came in very handy when I was asked to serve as Vice Chair for the Canaveral Section starting last fall. They really helped out this past Spring when I took on the role as Chair when **Hugh Bain** was called to active duty. I did not expect to be in my current role when I became active just a couple of years ago, but am enjoying the opportunity to meet and work with some very extraordinary and devoted volunteers that we are blessed to have in our section. Because of one of the people that I have met through my affiliation with ASME, my wife and I were given an opportunity we would not have had otherwise. **One of our members works at the Cape** and invited us to come on base for the viewing of the Columbia Shuttle wreckage. It was a fascinating experience as an engineer to talk with the people who have worked on the recovery and reconstruction phase to answer the tough questions on why the disaster happened and humbling from a resident of Brevard perspective to have been able to see this first hand. Those are just a few of the examples I could think of to say "what's in it for me" and why I value my membership in ASME.

If you would like to share your experience and tell others what's in it for you, please send me an e-mail so we can get your story out.

Dan Johnson

Brain Teaser

This is the first of another new installment we wanted to add to the newsletter to get more involvement, have a little fun, and give you a chance to win a prize. Take a look at the question below and give it a shot. Submit your answer to Faye Tomimbang at faye.m.tomimbang@usa-spaceops.com and she will let you know how you did. At the end of the year we give a gift certificate out to the person who has received the most points for correct answers.

A large water tank has two inlet pipes (a large one and a small one) and one outlet pipe. It takes 2 hours to fill the tank with the large inlet pipe. On the other hand, it takes 6 hours to fill the tank with the small inlet pipe. The outlet pipe allows the full tank to be emptied in 8 hours.

What fraction of the tank (initially empty) will be filled in 1.85 hours if all three pipes are in operation? Give your answer to two decimal places.

Good luck!

2003-2004 ASME Member-Get-A-Member Campaign

Recommend a paid new member during the 2003-04 Member-Get-A-Member (MGAM) campaign now through June 30, 2004 and ASME will contribute 50% of their first year dues to scholarships for student members.

At the same time, you will receive recognition for volunteerism - a certificate of appreciation for two or more paid new members signifying your support of the mechanical engineering community.

IT'S EASY TO RECOMMEND MEMBERSHIP TO YOUR COLLEAGUES!

New members will experience the benefits of ASME membership - technology transfer, access to a network of engineering experts, assistance with career advancement, leadership opportunities and much more.

Learn more about how to start recommending your colleagues at <http://www.asme.org/membershipdrive>.

Professional Education Courses

Two new products at the **ASME PE and FE Exam Review Center**. **New FE Workbook and CD-Rom and the PE Exam Review on DVD** <http://www.asme.org/education/disted/examprep.htm>

ASME Online Short Courses-New titles include Project Management and Advanced GD&T. <http://elearn.asme.org/courses/courselist.htm> Many new courses will be added for the fall. <http://www.asme.org/education/disted/library.htm>

Prefer training on CD-Rom? go to <http://www.asme.org/education/disted/computer.htm> Titles include B31.3, GD&T and Section VIII, Div 1.

New ASME Corporate Online Training Library- Meet all your mechanical engineering training needs in one economical package tailored to your company. Go to: <http://www.asme.org/education/disted/library.htm>

ASME Launches Anti-Spam Service

ASME is providing a new junk mail filtering service to protect your "@asme.org" forwarding address. We have contracted this service for our members from a top provider of email security services.

We are providing this service to our members in response to the growing problem of unsolicited email messages. It has been reported that as much as 70% of all new email is classified as spam. If you are a member who has an asme.org email alias, then you have already been activated.

At this time, only addresses with the asme.org domain can be registered for this service. To create your ASME email alias, visit the "Members Only" site at **www.asme.org**. Approximately one week after your alias has been established, you will receive your account information and temporary password.

For more information, please contact junkmail@asme.org.



ASME Canaveral Section Presents

Tour – NSLD

A joint ASME-Florida Section, AIAA, IEEE, and ASME-Canaveral Section production!



When: September 11, 2003

Time: 7:00 p.m.

Location: NSLD – Building 1

8550 Astronaut Blvd, Cape Canaveral (Meet @ lobby)

NSLD (NASA Shuttle Logistic Depot) is a NASA certified manufacturing and repair base for Space Shuttle hardware. It has established itself as an innovative industry leader applying advanced technologies in:

Avionics: Testing, Repair, and Modification

Mechanical: Fluids and Mechanisms Repair

Manufacturing: Machining, Assembly, and Test

Support Services: OEM/STE Eng; Technical Assistance/Data

Thermal: Production/Test of Spacecraft Thermal Protection Systems

The highly skilled workforce is dedicated to creating the world's most successful customers and is ready to provide similar services for programs of tomorrow. Their primary focus remains on flying the Shuttle safely and successfully. To maintain that commitment and become competitive in the space operations markets, it continually strives to improve processes, practices and organizations.

RSVP by: September 09, 2003

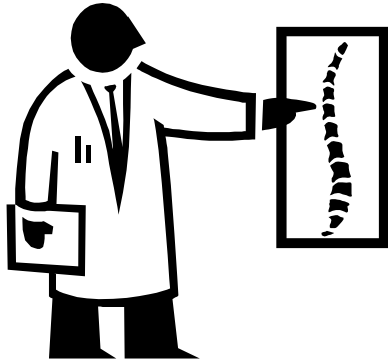
RSVP to: Stephanie - STHopper@xch-bsco-06.ksc.nasa.gov

US Citizenship and Photo ID required



ASME Canaveral Section Distinguished Lecturer

Karen E. Warden: Orthopedic Engineering



Wednesday, November 5, 2003

Time: 6:00 PM

Location: Holmes Regional Hospital
Auditorium (Melbourne, FL)

Who should attend: Medical professionals, Engineers, and anyone with an interest in biomechanics, particularly orthopedic Engineering. Children are welcome.

Karen Warden, ASME Distinguished Lecturer, describes the history of the discipline, the application of mechanical engineering fundamentals to biomechanics, the types of implants and their materials, the role of the engineer and some of the emerging technology. Samples of orthopedic implants are exhibited.

Karen E. Warden is a doctoral candidate at Case Western Reserve University specializing in spinal biomechanics. She has been active in the field for the past ten years in academic, industrial, and consulting capacities, has co-authored numerous peer-reviewed publications and received research and achievement awards.

Cost – Lecture: Free; Pizza/Drinks: \$5.00

RSVP by: November 3, 2003

RSVP to: Alan Zakulak, azakaluk@harris.com



ASME Canaveral/Florida Section Presents

Tour – Fantasy of Flight



When: Saturday – Nov. 15, 2003

Time: 10:30 AM @ Fantasy of Flight (OR 9:00 AM @ J.C. Penney at Florida Mall, Orlando)

Price – \$22.50 /Adult (less for Children & Seniors) (does not include lunch)

This collection of vintage aircraft is located just 45 miles south of Orlando on I-4 at Exit 44.

Attractions: Unlimited simulator flights in Fightertown, a backlot tour at 11:30, a restoration shop tour at 12:45, and the aircraft of the day flyover at 2:30.

Lunch is on your own at the In-Flight cafe.

Bring family and friends for this unique experience to celebrate 100 years of flight!



RSVP by: Friday, Nov. 13, 2003

RSVP to: Dan Johnson, djohns08@harris.com

Limitations



**AMERICAN SOCIETY
OF MECHANICAL
ENGINEERS**

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

