

ASMEFWCS.org

Local Section News



Come join Florida West Coast Section at a wonderful evening of celebration of the Engineering Profession. Every year this program has consistently gotten better, and this year we are partnering with additional disciplines to make it the best ever!

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Local Section News

Tampa Bay Engineers Week Banquet

Feb 20, 2009

Reception 5:30-7:00PM

Banquet 7:00-10:00PM

This Engineers Week, the engineering societies of the Tampa area have put together the first Tampa Bay Engineers Week Banquet on Friday, February 20, 2009, at the spectacular Tampa Bay Grand Hyatt (2900 Bayport Drive, Tampa, Florida, 33607)

The banquet will be a combination of effort between the societies that arranged in past years the Celebrate Engineering Banquet and the E-Week Banquet. The merger of these two events will bring together professionals in all fields from all around Tampa and Florida's west coast.

This premier event brings together local leaders and engineering professionals to recognize the outstanding achievements of Engineers, Science Teachers, Math Teachers, and Students in our community.

Who: Engineers of Florida's West Coast, Family and Friends

Where: 2900 Bayport Drive, Tampa, Florida, 33607

Time: Vendor Expo and Cocktail Reception (Cash Bar)

5:30pm – 7:00pm Dinner, Speaker, Awards 7:00pm

Cost: \$55 per person

<http://www.tbewb.org/>

http://www.fleng.org/seminars.cfm?event_id=360

Call for Nominations: Old Guard Early Career Engineer Award

Recognize outstanding early career engineers who actively involve themselves in their profession, their communities, and the work of ASME!

The Old Guard Committee honors ASME members that have made great strides in the engineering profession, community and the work of the Society by sponsoring this Award, established in 1994. Eligible applicants must be a current ASME member who has received a baccalaureate degree in mechanical engineering between Feb. 1, 2003 and Feb. 1, 2005.

A Grand Prize of **\$5,000 cash plus an ASME prepaid life membership** will be awarded to one successful candidate at the 2009 ASME International Mechanical Engineering Congress and Exposition. All contestants will be notified of the Committee's final decision by July 1. Two Runner-Up Prizes of prepaid life membership may also be awarded. All prize winners will receive a plaque as a commemorative gift.

Nominations **must** be received by **Feb. 1, 2009** to be considered for the award. All applications should be accompanied by supporting documentation, a copy of the nomination form, and forwarded to Cheryl Hasan at hasanc@asme.org c/o Old Guard Early Career Award.

For the nomination application and more information visit

<http://files.asme.org/asmeorg/Communities/EarlyCareer/8026.pdf>.

Volunteer with ASME / Find a Volunteer

Looking for a new adventure at ASME? Need a volunteer to help your group get on track? The Volunteer Opportunity Bulletin Board (VOBB) is the one-stop resource for those interested in finding open volunteer positions and groups needing enthusiastic volunteers for their ASME local, District and/or national level committees. Designed to help volunteer leaders promote and fill volunteer positions throughout ASME, the VOBB opens the door to new opportunities.

To learn more about the VOBB and the volunteer positions available, go to

<http://volunteer.asme.org/vobb/>.



ASME – ASME Auxiliary *FIRST* Clark Scholarship

Are you a *FIRST* Robotics volunteer? Did you know that the ASME Foundation and the ASME Auxiliary sponsor a scholarship specifically for HS seniors who are on a *FIRST* Robotics team? If so, this information is for you!

About the Award

The *FIRST* Clark Scholarship recognizes and rewards students whose *FIRST* experience has inspired the pursuit of an engineering career. In 2009, the ASME Foundation and the ASME Auxiliary will award eight \$5,000 scholarships to high school seniors active on *FIRST* teams, who are nominated by ASME members, ASME Auxiliary members, or student members who are also active with *FIRST*. These awards will be for the freshman year of study (non-renewable) in an accredited mechanical engineering or mechanical engineering technology program. The recipients will be announced at the *FIRST* National Championship.

Nomination and Student Eligibility

Members of ASME, including ASME Auxiliary and student members, may nominate no more than one student each. Students must be:

- Graduating high school seniors active on *FIRST* teams
- Planning to enroll full-time in an ABET-accredited or substantially equivalent mechanical engineering or mechanical engineering technology program, no later than the fall after their senior year in high school.

APPLICATION DEADLINE: MARCH 15, 2009

For more information, on this or other ASME financial aid opportunities, visit our web site at:

http://www.asme.org/Education/College/FinancialAid/Auxiliary_FIRST_Clarke.cfm

Tomorrow's ASME Leaders: Are You Ready for the Challenge?

Do you feel strongly about the direction you would like ASME to take? Are you passionate about new ideas and initiatives? Are you ready to step up and lead? If so, why not become an ASME leader today!

Consider running in June 2009 for the following offices:

ASME president — one-year term

Board of Governors member — three-year term

In addition, the Nominating Committee is currently accepting nominations for five ASME vice president positions, each carrying a three-year term:

Vice President of Professional Development, Practice & Ethics (Centers Sector)

Vice President of Public Awareness (Centers Sector)

Vice President of Standardization and Testing (Codes and Standards Sector)

Vice President of Affinity Communities (Knowledge and Communities Sector)

Vice President of Financial Operations (Knowledge and Communities Sector)

Please visit the Nominating Committee Website for information on "How to run for a Society Office"

http://www.asme.org/Governance/Nominating/Nominating_Committee.cfm

or contact RuthAnn Bigley at bigleyr@asme.org.

VOLUNTEERS NEEDED! ENGINEER YOUR LIFE

Help Inspire the Next Generation of Young Women to Become Engineering Leaders!

ASME (as part of its Engineers Week collaboration) actively supports Engineer Your Life (EYL), the national campaign to encourage college-bound girls to consider engineering enrollment.

A key element of EYL outreach is collaboration with the college counseling community through the National Association for College Admission Counseling (NACAC). We are asking for volunteers – engineering and engineering students – for high school fairs throughout the U.S. this fall.

Cities, dates and locations of fall fairs can be found at http://www.eweek.org/site/pdfs/college_fair.pdf For more information or to sign up, contact Marina Stenos at 212 591 8614 or stenosm@asme.org. For more information about Engineer Your Life, visit www.EngineerYourLife.org

ASME Salary Survey

Participate in ASME's Salary Survey get a **FREE** salary report based on your experience level and geographic area. Visit <https://asme.enetrix.com> and see how you compare! **ASME Member Exclusive!** Purchase comprehensive, custom reports at a discount price.

ASME E-Library

The ASME E-Library is a members-only benefit that allows you to access online collections of engineering reference books to help you answer questions and find practical solutions to daily on-the-job problems.

As an added bonus, the ASME E-Library is powered by Knovel, whose interactive and user-friendly technology gives you the ability to manipulate and search for content across the entire collection quickly and easily.

To learn more, go to

<http://www.asme.org/Membership/Benefits/Professional/eLibrary.cfm>"

Call for Mentors! EMentoring Opportunities for Early Career Engineers.

Mentors are a great way to gain knowledge and learn from the experiences of experts in your field. ASME offers an e-mentoring service right at your fingers!

To learn more and sign up for mentors, or to register to become a mentor, log onto

http://www.asme.org/jobs/mentoring/Ementoring_Early_Career.cfm or contact Noel Netel at neteln@asme.org

Where Have All the History & Heritage Chairs Gone?

In 1997, Paula Cole had a top-20 hit entitled, "Where Have All the Cowboys Gone?" Though I wasn't a great fan of the song, I can't seem to stop the tune running through my mind as I lament ... where have all the History & Heritage Chairs gone?

Several years ago, I proudly served as the Regional H&H Chair for the old Region X, which encompassed Texas, Oklahoma, Arkansas, Louisiana, and Mexico. We had a vibrant, active History & Heritage program, with designated H&H Chairs in most Sections. Over a 3-year span from 2002-2006, various Sections across Region X submitted 16 Landmark nominations, and achieved & designated seven new Landmarks; a regional pipeline that generated an average of two new Landmark designations per year. Yet, in 2007, there were none. In 2008, there was only one new Landmark designation. What happened?

"Ok..." I think, "maybe my old stomping grounds is an anomaly. I'll look at the Society in general." A short 15 minutes of research proved that Region X is not an exception, but rather the rule, as what I discovered was not encouraging.

From 1995-2005, the Society - as a whole - designated an average of five Landmarks per year. Furthermore, in this 10-year timeframe there were *never* two consecutive years in which fewer than five Landmarks were designated. However, in 2007 & 2008 only **two** new Landmarks have been designated, *in total*.

Only a few years ago, the majority of local Sections throughout the country had a History & Heritage Chair - a single history-minded individual who scanned his/her geographical area for bits of engineering that might rise to the significance of Landmark, who networked with other H&H Chairs throughout the country, and who championed the formidable yet satisfying task of identifying, nominating, and designating new Historic Mechanical Engineering Landmarks. Unfortunately, as I search Section websites today, I find to my dismay that the majority of such positions have been vacated or, worse...eliminated.

Is our Landmarking program dying?

The Landmarking program is an integral component of the Society's public awareness strategy. Landmarks serve as constant visible reminders of the rich heritage and contribution to society of our chosen profession, a profession that has shaped not only our own lives, but the lives of billions of individuals throughout the world in fields as diverse as agriculture, manufacturing, food processing, aviation, energy, transportation, recreation, and more.

It is by celebrating the past achievements of our profession that we most effectively educate the public as to the societal value of Mechanical Engineering, and inspire future generations of engineers to follow in our footsteps.

I write this article as an open call for the support of all members who have so much as a passing interest in the history of Mechanical Engineering. I know you are out there, and I ask you to join me in reviving our Society's History & Heritage Landmarking program.

Getting started is but a few mouse-clicks away. Navigate your browser over to the *ASME History & Heritage Community* on ASME Peerlink, the Society's online networking tool. Start a thread, post a question, or just join in & add your thoughts to a general discussion. Peerlink offers us the opportunity and capability to meet from half-way around the world, to learn from past experiences, share ideas & opportunities, and to create a support network to encourage and assist each other in identifying Landmark opportunities and turning them into official Landmarks.

Take the first step. Join me at <http://peerlink.asme.org/COP/HistoryandHeritage/> or email me directly at mwpowell_08@yahoo.com. I look forward to working with you!

Other Engineering Societies in attendance at Engineers Week Banquet -

Association for Facilities Engineering Institute of Electronics and Electrical Engineers American Society of
Highway Engineers Florida Engineering Society Pinellas Chapter American Society of Civil Engineers
Florida Engineering Society Tampa Chapter American Military Engineers
American Institute of Chemical Engineers

What are we doing locally if you can't make it? How about joining us at a tour of USF Nano Lab? (NANO MATERIALS AND NANO MANUFACTURING RESEARCH LAB)

Wednesday February 4th , 6pm

The NNRC is a university-wide user fabrication and metrology center providing state-of-the-art equipment, professional support personnel and infrastructure to enable multidisciplinary research in nanomaterials and nanomanufacturing methods related to fundamental materials science, sensors, actuators, electronics, bio-systems, medical products, optics and integrated nanoscale systems. The Nanotech I facility supports research projects of faculty, graduates students, undergraduates, and industrial researchers.

The following objectives are being implemented to carry out the mission:

Nurturing and enabling multidisciplinary nano related research projects for all interested faculty in all colleges at the University of South Florida.

Providing professionally managed state-of-the-art fabrication facilities, analytical instruments and metrology tools for the characterization of nanomaterials.

Providing training programs for all interested faculty and students who wish to use the facility.

Providing a facility for industrial users working collaboratively with USF faculty to develop competitive processes and products for commercialization of technology.





1. When coming in from the main entrance, at Leroy Collins, make sure to pick up a visitors parking pass at the CIC building, denoted by the purple star as soon as you enter the University's main entrance.
2. At the stop light, take a left onto Alumni Drive. Follow Alumni Drive until you get to the Beard Parking Facility.
3. Turn down Beard Drive.
4. If you are visiting before 5:30, parking is available from the 4th floor and above in Beard Parking Facility.
5. If visiting after 5:30, parking is available in 8A.
6. The entrance to NNRC is located on the south side of the building.

December past gave us a great meeting on Food Irradiation at the Raddison Hotel Rocky Point. Very interesting for those attending this outstanding meeting presented by Dr. Richard Hunter of FTSI.

Our March meeting is planned as our annual 'Student Papers Night' where we get local presentations from USF Students in practice of competing. We are planning on the second week in March so stay tuned for more information.

USF Engineering EXPO 2009 is being held on February 13 & 14
Engineering EXPO is a yearly event at the University of South Florida,
Tampa. EXPO is the best, and fastest, way to get to know the College
of Engineering and other professional engineers working in the Tampa
bay area. Experience the many fine exhibits from corporations,
government bodies, and Engineering Organizations intended to show
projects and products their engineers work on. These exhibits are
located in ENG, ENA, ENB, ENC, and CUTR buildings and should not be
missed. The student section of ASME at USF will be participating the
Electrathon race on Saturday the 14th.

For More Information Visit:

<http://expo.eng.usf.edu/>

Hudson Pump in Lakeland are again offering the following classes -

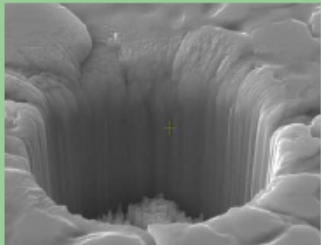
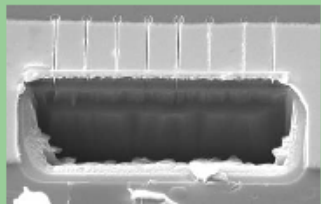

<u>Seminar Schedule 2009</u>	
Thursday March 12	Mechanical Seals & Packing*
Thursday March 19	Basic Centrifugal Pump for Maintenance and Operation*
Wednesday March 25	Basic Centrifugal Pumps* – Jacksonville, FL
Thursday April 16	Centrifugal Pumps for Applications & Engineering*
Thursday May 14	Basic Positive Displacement Pumps*
Wednesday May 20	Basic Positive Displacement Pumps* - Jacksonville, FL
Thursday June 18	TBD
Thursday July 16	Metering Pump Basics
Thursday August 20	Vacuum Pumps
Thursday September 17	Mechanical Seals & Packing
Thursday October 15	Basic Centrifugal Pump for Maintenance and Operation*
Thursday November 19	Centrifugal Pumps for Applications & Engineering*

Go to - hudsonpump.com -

Hudson Pump & Equipment Associates - 3524 Craftsman Blvd - Lakeland, FL 33803
800-780-7867 - 863-665-PUMP - Fax 863-666-5649

Check out more on USF's Nano Technology Lab –

Images of Focus Ion Beam Milled Structures (USF NNRC)

Phone: 813-974-2096
Web: <http://nnrc.eng.usf.edu>



Graduate Students in a training session

Nanotech I Laboratories

Metrology Suites Phone: 813-974-2499
Cleanroom Phone: 813-974-3253
Wet chemistry Lab
Thin Film Lab
Test Lab

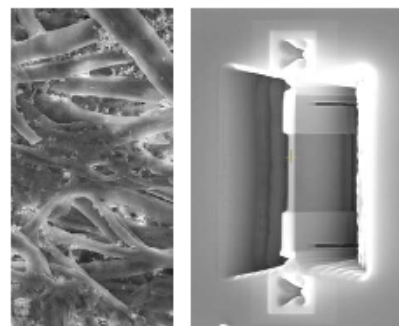
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Scanning Electron Microscope Images (USF NNRC)

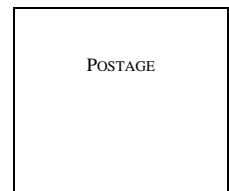


Class 1000 Cleanroom

Enhancing Research in Nanotechnology

Get Involved – Hope to see you there.....

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ADDRESS SERVICE REQUESTED

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