

From the Chair

Dear Members and Friends of FWCS,

We are just starting our 2011-2012 program year and we have some very exciting things in store for all our members. I am overwhelmed by the response of the volunteers that have come to our first meeting to help with planning and committees. We always have small tasks to accomplish so please I would like to hear from you if you still want to get involved. Our board of director meetings is always open to all members; we encourage new faces and fresh ideas.

Our webpage is being updated shortly, please stop and visit to view the new officers and activities that are coming for the next planning year. www.asmefwcs.org.

I wanted to personally thank all our members for their support in continuing to come to our tours and show their support through sponsorship and volunteering their time in and endless effort of making the whole Society more visible and a pleasure to be a part of.

I also want to thank you all for always keeping our student section in mind, and we are now starting to engage students into engineering as soon as middle school. How fabulous!

A job well done to all Engineers that have a passion for touching one life at a time.

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FWCS-ASME: Upcoming Events

Come and join us as our FWCS continues with an exciting set of programs and speakers. This is a wonderful opportunity for all attendees, new members and returning members to join us for dinner and following presentation:

Patent Law Reform Speaker Michael J. Colitz, III

Find out more about current patent laws and pending patent law reform and how it may affect our engineering professional life and businesses.

Our Section will have an unique opportunity to meet Mr. Michael Colitz, III, a Registered Patent Attorney with an undergraduate degree in Mechanical Engineering from the University of Notre Dame and a law degree from Stetson University. He is Board Certified by the Florida Bar in Intellectual Property Law and Practices at the law firm of Gray Robinson, P.A. His practice focuses on patent prosecution and intellectual property litigation.

When: September 28th, 2011

Time: 6:00 pm to 8:00 pm

**Where: Best Western Bay Harbor Hotel,
7700 West Courtney Campbell Causeway
Tampa, FL 33607**

Note: If you planning on attending please register early. Also note that registration site will close two days before the event due to the hotel requirements to have the number of guests and menu selection ahead of time. We apologize for any inconvenience.

For registration, dinner selection and directions please visit our website at: www.asmefwcs.org

Stay tuned for other upcoming events:

October 15th - Joint Event ASME and IEEE on "How to build your own website". Visit our website for registration;

November 10th – Robotics Presentation from First FTC TDT Team Duct Tape and FRC Team Thunder Cats;

ASME DISTRICT F EARLY CAREER TECHNICAL CONFERENCE (ECTC)

**November 4-5, 2011
Georgia Institute of Technology
Woodruff School of Mechanical Engineering
Atlanta, Georgia, USA**

<http://districts.asme.org/DistrictF/ECTC/>

A forum for the presentation of in-progress or completed work by Early-Career Engineers, Mechanical Engineering Graduate Students, Mechanical Engineering Early-Career Faculty and Mechanical Engineering Undergraduate Students

**Sponsored by GaTech-ME, The ASME Old Guard, ASME District F and MS Section
About the Conference**

In today's competitive engineering job market, employers and engineering managers are looking for the technical credentials that separate one candidate from another. This is especially true for recent engineering graduates and engineers in the very early stages of their careers.

The Conference Coordinating Committee along with the sponsors, in keeping with ASME's mission of "promoting and enhancing the technical competency and professional well-being of our members," has organized this conference as a forum for enabling early-career engineers and graduate students to develop their "technical credentials" and to establish their "professional identity."

This program is designed to enhance the ability of graduate students and early-career engineers to compete in an ever more demanding and changing global market place by providing and developing such skills as verbal and written communication, teamwork and independent decision-making, system-level and integrated thinking, and Interdisciplinary skills, and the demonstrated technical performance that will make them stand out among their peers.

Recognizing today's Engineering Market Place and the impact of globalization, ECTC 2011 would be open to allied disciplines from around the world. Inter-disciplinary applications having a semblance and overlap with Mechanical Engineering topics would be welcome.

In providing conferences such as this, The Conference organizers hope to establish a bond between ASME and the early-career engineer that encourages continued participation in ASME activities, incThe Conference Coordinating Committee along with the sponsors, in keeping with ASME's mission of "promoting and enhancing the technical competency and professional well-being of our members," has organized this conference as a forum for enabling early-career engineers and graduate students to develop their "technical credentials" and to establish their "professional identity."

Who Should Participate

Participation of graduate students, early-career engineers, early-career faculty members and undergraduates from the United States, Canada and around the world are encouraged in four categories:

Category A - Graduate Students - Graduate students, currently enrolled in a Mechanical Engineering graduate program at a college or university can submit papers.

Category B - Early-Career Engineers - Recent engineering graduates who received their BS, MS, or PhD degree in Mechanical Engineering or related, as well as allied fields, between January 2006 and May 2011 can submit papers in this category. Related fields include those that interface with varied aspects of mechanical engineering and its applications.

Category C - Early-Career Faculty Members - Early-Career faculty in Engineering or related, as well as allied fields, are also encouraged to submit papers.

Category D - Undergraduate Students - Undergraduate students, currently enrolled in a Mechanical Engineering undergraduate program or related, as well as allied fields, at a college or university can submit papers. Undergraduate students involved in research in association with their supervising faculty and/or graduate student researchers can also submit papers as first author. Undergraduate students involved in a project in association with their supervising faculty and a group of undergraduate students can also submit papers as first author.

Interested in Participating?

For full information on the conference, including **paper submission, registration, deadlines and more**, please visit the **[2011 Early Career Technical Conference \(ECTC\) website](#)**.

For additional inquiries, please contact ASME2011ECTC@me.gatech.edu.

FWCS-ASME: Past Events

Start of the Season FY2011-2012 Repowering Two Power Plants

Our FWCS launched the first meeting on August 18th at Bay Harbor, Best Western, Tampa. This time, the August event was a lunch hour meeting presentation featuring Mindy Grinnan P.E. presenting on *Repowering Two Power Plants* in the Jacksonville Florida area. Mindy discussed her experience as a Project Manager for these two projects involving coordination of all project phases including coordination with contractors and engineers, project review, scheduling, purchasing and installing new equipment such as feedwater heaters, heat exchangers, vacuum pumps and other equipment, as well as rebuilding new turbines, in order to successfully complete the project within given time and budget.

The lunch hour was a great opportunity to meet and network with existing and new members and guests interested in the power industry. Many questions from the audience were addressed and answered by Mindy.

Many thanks to Mindy for travelling from Jacksonville to present to our Section.



Team Florida Flex House Presentation

On June 15th, our last meeting of the 2010-2011 Season, speakers from Team Florida Flex House a multidisciplinary team comprised of four Universities (USF, UF, FSU and UCF) presented on the architectural and mechanical aspects and sustainable orientation in pursuing their goal to built an energy-efficient, affordable and attractive net-zero energy house.

It was an interesting and eye catching presentation, covering details of joint coordinated work of students of architecture and engineering students in order to have their project accomplished.

Florida Flex House is as one of the twenty International finalists to compete in the upcoming U.S. Department of Energy Solar Decathlon 2011.

Florida West Coast Section (FWCS) is wishing much success and all the best to the Florida Flex House Team in the Energy Solar Decathlon 2011 Competition.

New Faces of Engineering programs: Professional and College Editions

Nominations for two New Faces programs are due to the Foundation by **Friday, November 18, 2011**.

An overview of the nomination procedures for each program is provided below. A timeline is also attached.

New Faces - Professional

The nomination form is posted [here](#) for web visitors wishing to self-nominate, for companies wishing to nominate employees, etc. Any nominations or questions received through the website will be forwarded to you.

Please note the nomination form posted on [eweek.org](#) will have an October 21 deadline. This will allow time for the societies to consider the nominations before the November 18 transmittal-to-eweek deadline. Please let us know if your schedule requires an earlier cut-off date for posting online.

New Faces - College Edition

The student application will be available on Facebook on Tuesday, September 6 at www.facebook.com/CollegeEdition. This summer, please share this upcoming program with your student members in any appropriate communications (Facebook pages and groups, e-newsletters, website). We will provide a direct link to the application later this summer and will send you reminders to do a big promotion push as soon as the online application is live on September 6.

The deadline for student applications is **October 21**. We will send you a spreadsheet including all of the applications for your organization by October 26.

Thank you very much for your support of both programs. Feel free to contact us if you have any questions. And please let us know if you have designated someone else to handle the nominations for either program.

Anne Squire (Professional)
Director of Operations
703-684-2864 / asquire@nspe.org

Ellen Robinson (College Edition)
Online Community Manager
781-801-8828 / ellencrobinson@yahoo.com

2012 Williston Medal Topic Addresses Fukushima Incident



The Arthur L. Williston Medal is presented for the best paper submitted in the annual competition on a subject chosen to challenge the engineering abilities of engineering students in conformance with the annual contest guidelines.

A contestant must be an ASME Student Member or Member who received a baccalaureate degree not more than two years before the deadline date for submission of papers.

2012 Topic: How does the Natural Disaster in Japan Affect the Future of Power Generation?

Papers should be submitted by February 7, 2012.

The Williston Award recipient will receive a \$1,000 honorarium, a Bronze Medal, a Certificate and Travel expense supplement to attend the award presentation. Second place receives \$500 honorarium and a Certificate and third place receives \$250 honorarium and a Certificate.

For more information please visit the Honors & Awards website:
<http://www.asme.org/about-asme/honors-awards>

The Williston Flyer:
<http://files.asme.org/asmeorg/Governance/Honors/SocietyAwards/18628.pdf>

The New ASME.ORG: More than Just a Redesign

As you're probably already aware, ASME.org was re-launched in March with a bold, clean and lively new design. What you may not know, however, is that the overhaul consisted of much more than simply applying a fresh layout to the website. So it may be time for you to take another look at ASME.org and take a test drive of the site's new features and capabilities.

The new ASME.org reflects an "engineering-centric" focus, which the Society hopes will make it the online destination for all engineers. To that end, the site now includes topic pages, which allow users to search for content based on an engineering subject they are interested in. The new site launched in March with 45 topics, addressing such subjects as environmental engineering, sustainability, energy efficiency, nuclear energy, ethics in engineering, and manufacturing and processing. Topic pages, addressing these and other subject areas, draw from an extensive inventory of ASME content stored on the site — as well as content from outside sources — and present it all in one convenient place.

The designers of the new ASME.org have worked hard to ensure that the content populating the website — encompassing feature articles, case studies, professional news, and audio and video clips — is both relevant and compelling for a broad spectrum of visitors, from engineering students and novice engineers to seasoned professionals. Another new, key feature is the "In the Know" section on the ASME.org home page. This section, designed for time-constrained visitors, provides a spectrum of "must-read" articles about the engineering profession for the current week and also steers users to articles that were popular the previous week.

Another major enhancement is the site's robust product search function. The site's improved product search capabilities offer users an assortment of new tools to quickly and easily find whatever they're looking for. Users can search by title, course number or date to find any product in ASME.org's vast product archive.

Explore the new ASME.org, at www.asme.org, and see for yourself what it offers. One intriguing story currently featured on the ASME home page, "Microengineering Targets Malaria," discusses a device that mimics the human liver could kill the malarial parasite before it fully develops.



The ASME 2011 Conference on Smart Materials, Adaptive Structures and Intelligent Systems

The ASME 2011 Conference on Smart Materials, Adaptive Structures and Intelligent Systems will be held September 18 - September 21, 2011 in exotic Scottsdale, Arizona. This conference provides a casual setting for formal and informal interactions between a broad range of experts in diverse fields. A guest symposium on sustainability will offer opportunities for building new, multidisciplinary collaborative teams that bridge current research thrusts with this vital and emerging sphere.

Adaptive Structures and Materials Systems by definition are intelligent, flexible systems that have sentience and responsiveness to ever changing environments. The field has rapidly matured due to synergistic interdisciplinary efforts across sectors of universities, government and industry. To continue the high impact growth of this field and lead it into the future, the purpose of this conference is to assemble world experts across engineering and scientific disciplines (mechanical, aerospace, electrical, materials, and civil engineering, biology, physics chemistry, etc.) to actively discuss the latest breakthroughs in smart materials, the cutting edge in adaptive structure applications and the recent advances in both new device technologies and basic engineering research exploration.

To meet this goal, the conference is divided into symposia broadly ranging from basic research to applied technological design and development to industrial and governmental integrated system and application demonstrations. The symposia specifically are:

- [SYMP 1 Multifunctional Materials](#)
- [SYMP 2 Active Materials, Mechanics and Behavior](#)
- [SYMP 3 Modeling, Simulation and Control](#)
- [SYMP 4 Enabling Technologies and Integrated System Design](#)
- [SYMP 5 Structural Health Monitoring/NDE](#)
- [SYMP 6 Bio-inspired Smart Materials and Structures](#)
- [SYMP 7 Guest Symposium on Sustainability](#)
- [SYMP 8 Student Competition](#)

Click Here

and tell us why
you are proud to be a
Mechanical Engineer
(or an ASME Member)



Member Savvy

The Value of ASME Membership



Welcome to the second in a three-part special series of ASME's *Member Savvy!*

This issue focuses on ASME's Career Resources which provide members with valuable benefits to enhance their professional careers over a lifetime.

As a friendly reminder, it is now time to renew your ASME membership for 2011 - 2012 by clicking on go.asme.org/renew. If you have already renewed for this year, thank you!

ASME Career Resources

ASME's Online Career Center is the premier eRecruitment resource for mechanical engineers and members of related fields. Market yourself to top employers and find a great job by using the valuable tools the center has to offer. You won't find this combination of targeted resources anywhere else. Some of the benefits alone, such as our career coaching services, are worth hundreds of dollars if purchased elsewhere!



Mechanical Engineering Focused Jobs

Need to find a Mechanical Engineering job but don't have the time to crawl through a comprehensive job board site with thousands of postings that don't pertain to your profession? ASME's Job Board will help you find the right opportunity quickly! Whether looking for a new job or taking the next step in your career, ASME's Job Board is *the place* to connect with employers who are actively hiring.

Resume Builder

Let ASME's resume builder, powered by Pongo Resume, walk you through the essential steps to job search success – resume and letter writing, interviewing, salary negotiation, and job offer acceptance. All **FREE** for 30 days! Monthly and annual memberships offering additional features are available for an additional fee.

ASME Mentoring Program

The ASME Mentoring Program, in partnership with WisdomShare, facilitates meaningful experiences that both mentor and mentee can learn and grow from. Whether you are interested in gaining career-guiding insight and advice from an engineering professional with broader experience, or you're a more experienced engineer seeking an opportunity to give back to the field, the ASME Mentoring Program provides the framework to make unique and meaningful connections at any point in a member's career.



Career Development & Courses

ASME.org is your resource for academic courses, professional certification & training, and articles on practical on-the-job skills to enhance your knowledge of the field. Peruse hundreds of career related articles at your convenience, choose an online course from our extensive collection, or pursue a path to ASME Personal Certification or professional licensure.

Career Coaching

ASME members have exclusive access to career coaching services through Boxwood Technology, our Career Center partner and a leading industry provider. Work with a highly experienced coach to advance in your career, reach your goals, increase your productivity, improve your life/work balance or any of a number of other related areas tailored to your individual needs. Each coach has graduated from an accredited Coach training program, and all are members of the International Coach Federation (ICF) and are certified in behavioral style analysis and interpretation.

Career Podcasts

ASME members have access to a series of exclusive career podcasts developed just for them. Covering numerous topics from how to look for a job on the Web to networking, the podcasts are conducted by acclaimed author and columnist Peter Weddle and globally-published author Carl Selinger. Listen to the audio files directly from the site or download them to your computer or hand-held device for anywhere anytime access!



Salary Survey

ASME's Engineering Income & Compensation Survey (powered by enetrix, a Gallup Company) offers real-time, on-demand reports with salary data delivered to your specifications. Our database updates every night, so you are always sure to get the very latest information available! Participating ASME members will receive an electronic one-page salary snapshot that allows you to look up salary data for your engineering level in any region of the country.

We hope you've found this Special Edition of *Member Savvy* to be useful, and we thank you for your membership and ongoing support of ASME. You will receive your next *Member Savvy* Special Edition issue next month, and your feedback is always welcomed via email to membership@asme.org

“When one door closes, another opens; but we often look so long and so regretfully upon the closed door that we do not see the one which has opened for us.”

– Alexander Graham Bell–

If you have a job posting, open career opportunity, want to sponsor an event organized by FWCS, or want to share an idea on a possible tour or event, give us your thoughts and e-mail the Newsletter Committee Chair at: krstanoskim2@asme.org on any of the officers listed below.

We welcome your feedback, ideas and suggestions for future issues.

FWCS-ASME Officers and Committee chairs

<p>Chair: Elizabeth Vincourek e-mail: evincourek@yahoo.com</p>	<p>Vice Chair: Steve Elting e-mail: steve@eltingmechanical.com</p>	<p>Vice Chair Programs Magdalena Krstanoski e-mail: krstanoskim2@asme.org</p>	<p>Treasurer: Matthew Montgomery e-mail: matt.montgomery@mcst.com</p>
<p>Secretary: Paul Stevenson e-mail: stevensonp1@asme.org</p>	<p>Director: John Mulvihill e-mail: mulvihillj@asme.org</p>	<p>Director: Bob Andrew e-mail: andrewr@asme.org</p>	<p>Director: Billy Adkins e-mail: billy_adkins_57@yahoo.com</p>
<p>Immediate Past Chair / Director: Pete Grotsky e-mail: grotskyp2@asme.org</p>	<p>Webmaster: Dr.Autar Kaw e-mail: kaw@eng.usf.edu</p>	<p>TBEWB Chairs: Elizabeth Vincourek / Pete Grotsky e-mail: evincourek@yahoo.com / grotskyp2@asme.org</p>	<p>Newsletter Committee Chair: Magdalena Krstanoski e-mail: krstanoskim2@asme.org</p>