



**FLORIDA SECTION**  
VOLUME 1, ISSUE 2

# Linkages

OCTOBER 2011

## SPECIAL POINTS OF INTEREST:

- Upcoming Events
- Past Events
- E-Week 2012
- Early Career Engineer News
- Engineer's Notebook
- Webinars
- Conferences

## Upcoming Event

**Thursday, October 20th** — Dinner Meeting and Presentation  
**6:30pm** at Ming Court at 9188 International Drive, Orlando, FL 32819

### **"Waste to Energy" presented by the distinguished John Basic, Sr., Chairman of Basic Energy**

John N Basic, Sr., will focus on the technical business of "Waste to Energy". From his presentation, you will learn about:

- Keys to burn alternate fuels, produce electrical energy, and create thermal output;
- Different designs in the waste combustion field, their strengths and limitations;
- Basic Principles of a successful turnkey municipal solid waste power installation.



John Basic, Sr.

John N Basic, Sr. is currently Chairman of Basic Energy Group LLC, and has been in the "Waste To Energy" field for the past 41 years. He has a wide experience in burning industrial, infectious hospital, hazardous combustible and tire wastes. His company and licensees have installed over 100 projects in 12 countries.

Prior to this, he was a Registered Professional Engineer and executive in other industries for 20 years. As an inventor in Combustion Technology, he was granted multiple patents in 30 industrial countries. He received the ASME Thomas Edison Patent Award and IIT Professional Achievement Award. Several of his companies received awards and recognitions from Power, Pollution Control, and Energy Magazines, plus the Association of Energy Engineers. As a WW II Veteran, he served in Okinawa and China. He graduated from Illinois Institute of Technology with a BSME.

One (1) PDH will be awarded upon request for those P.E.s attending!!!

For more information, visit our [events webpage](#).

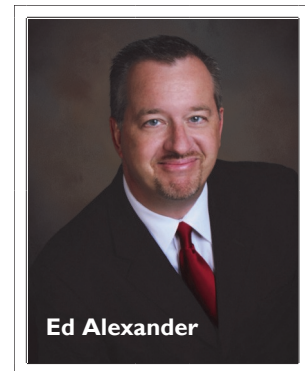
Book your reservation online at [ACTEVA](#) by COB **Monday, Oct. 17th**.

# A Look Back at the Summer

## June Meeting

### Business Law Basics for Technical Entrepreneurs

Central Florida's renowned start-up attorney **Ed Alexander**, of the *Entrepreneurship Law Firm*, gave listeners insight on how to start a successful company. Ed offered aspiring technology entrepreneurs best practices and how to avoid pitfalls in setting up and running their own company.



Ed Alexander



Trina Baldwin

## July Meeting

### "Engineering in Antarctica" by Trina Baldwin.

**Lt. M K Baldwin**, Civil Engineer Corps, U. S. Navy, shared her experiences during her year as the Officer in Charge of the 1990-1991 Winter-Over Detachment McMurdo, Antarctica. She spoke of what it was like to perform Engineering in one of the harshest climates on Earth — constantly cold, windy and dark for half of the year, Ms. Baldwin oversaw construction of roads and piers, operating machinery, fighting fires—things that we take for granted here in the U.S. yet are extremely challenging in the Antarctic. Ms. Baldwin retired as a Commander after 20 years of service in the Navy. She is a registered Engineer in SC and a 25+ year member of ASME.

## August Meeting

### "Repowering a shut down power plant" Presented by Mindy Grinnan

As Project Manager over a 143 million dollar repowering project, **Mindy Grinnan** brought a unit back on line that was shut down in 1982. She talked about her 28 years of experience with JEA, is a municipal utility in Jacksonville. She has had the opportunity to work in many areas including: design, engineering, procurement, writing specifications and project management. In addition, her work involves working with the maintenance of the equipment which includes problem solving; and fixing and repairing equipment.

Thank you to those from SWE and ASME Florida West Coast Section who came out to join us!



Mindy Grinnan

## September Meeting

### "Design to Deploy Tail Fins of Guided Projectiles" by Adam Bojanowski

**Adam Bojanowski**, an Associate Manager of Mechanical Engineering at Lockheed Martin Global Training and Logistics, came to talk about his design experience of a patented mechanism to deploy the tail fins of guided projectiles fired from artillery pieces. Mr. Bojanowski shared with the audience his experiences in smart weapon design with a LM Missiles and Fire Control R&D team. Thanks to those from AIAA and ASME Florida West Coast Section who supported us in this joint meeting!

The experience the ASME organization provides, and technical depth is unsurpassed. The wealth of relationships built and colleagues met will stay with me forever.

– Terrell H. Yon, III P.E.,  
ASME Member since 1984

"Scientists discover the world that exists; engineers create the world that never was."

– Theodore  
Von Karman

## A Look Ahead

Oct 20 — John Basic, Waste to Energy Part I

Nov 16 — ASME endorsed event, AIAA Missile Design and System Engineering

Nov 17 — John Basic, Waste to Energy Part II

Dec — Holiday

Jan 19 — Jim Bellows, Siemens Energy

Feb 16 — Stan Wells, Pratt & Whitney

Feb 25 — E-Week Banquet

Mar 15 — ASME UCF Student Design Projects

\*Schedule subject to change

## ASME & Battelle Co-Chairs of Engineers Week

*February 19-25, 2012*

More than 50,000 engineers in the United States alone engage in EWeek outreach activities that affect more than 5.5 million students and educators. Co-chairs of EWeek, ASME and Battelle look to EWeek as an opportunity to advance STEM education reform and communicate the amazing work that engineers do to improve quality of life. "Our nation and our world needs engineers...it is that simple," says Anthony Hebron, senior vice president for corporate relations at Battelle. "Engineers Week is our opportunity to advocate for engineering and inspire the next generation to pursue careers in engineering," says Ed Harvego, from ASME's Center for Public Awareness. "Battelle and ASME are excited to be leading this coalition of like-minded partners to make a real impact on how the world perceives engineers and the engineering profession." For more info and resources for EWeek, visit [ASME EWeek](http://ASME EWeek).

*We encourage Florida members to get involved with Eweek events in our local communities and workplaces.*

### About Engineers Week

The National Engineers Week Foundation, a formal coalition of more than 100 professional societies, major corporations and government agencies, is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers among young students and by promoting pre-college literacy in math and science. Engineers Week also raises public understanding and appreciation of engineers' contributions to society. Founded in 1951, it is among the oldest of America's professional outreach efforts. More information at [Eweek.org](http://Eweek.org)

# Early Career Engineer Bulletin

**ASME Early Career Technical Conference ECTC 2011  
Woodruff School of Mechanical Engineering, GA Tech  
November 4-5**

*Late Registration Only*

This is a great opportunity for early career engineers, early career faculty, graduate students and undergraduate students to participate in a technical forum where they can present in a professional setting at a minimum cost and have their paper be published in the Journal of Proceedings.

For details, visit the [District F Web Site](#).

Conference Email: [ASME2011ECTC@me.gatech.edu](mailto:ASME2011ECTC@me.gatech.edu)

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. 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."

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# My Engineer's Notebook: Annmarie Connor

by ASMEnews

Annmarie Connor, an ASME member since 1999, has worked for United Space Alliance (USA) as a part of the space shuttle program in

Cape Canaveral, FL, for over seven years, holding the roles of systems engineer, reliability engineer, and mechanical design engineer. In April, she departed from the Kennedy Space Center as a result of the Space Shuttle program's end. Connor is currently employed as a contracted CAD drafter at fishing-boat manufacturer Boston Whaler, Edgewater, FL, where she helps develop 2-D drawings and 3-D model renderings of fiberglass fishing boat components.

A committed ASME volunteer, Connor participated in the Society's Early Career Leadership Intern Program to Serve Engineering (ECLIPSE) program in 2008-2009, and represented ASME in the Engineers Week Foundation's New Faces of Engineering program in 2008. Other ASME positions have included vice chair of the ASME Florida Section, member of the Society's Committee on Early Career Development, and member of the Women in Engineering and Young Engineer Correspondents Affinity Groups. An active member of the Society of Women Engineers (SWE), Connor is currently one of that organization's regional governors, responsible for 19 professional sections and 40 college sections throughout the southeastern U.S.

What's inside your engineer's notebook? I keep a daily journal of my work activities. For the most part, it's a to-do list, but it also consists of tips and tricks, such as how to be more efficient with 3-D modeling, drafting, problem solving, or I'll even copy a useful table or chart from one of my engineering books, things like that. I actually started the notebook when I first became an engineer for United Space Alliance, back in 2004. You don't do the same thing every day all the time, so sometimes it's just really good to take a note when you think, "Oh, that's one way of doing that," or "That's a new way of doing that." Then it becomes something I can go back and reference.

**What's the most exciting project you've ever worked on?**

I would have to say working at the Space Center was definitely the most exciting. Although I worked in a variety of roles, I definitely feel that where I got my feet wet was when I interned for a semester in the

Cranes, Doors and Platforms group. This entryway led me to focus on these areas in all my future roles at USA. I began working at USA about eight months after the Columbia accident. From that point until we flew again, which was another year, I was able to learn a lot about the operations of the overhead cranes that lift and rotate the space shuttle components, as well as focus on the safety and design attributes. Because of the relationships I developed with the "crane guys" during my internship, I was invited to participate in move operations of the shuttle components and to be on station as the crawler enters the VAB to lift and move the Space Shuttle to the launch pad.

And even here (at Boston Whaler), so far the experience has been exciting. To be in a totally different industry and working with people who are also very passionate about their work and what they do is so encouraging.

**What's the most meaningful or rewarding aspect of being connected to engineering?**

Mostly it's technology. I just think that being able to sit at a computer and being able to model something up in 3-D and show that it fits and works great before going out and building a prototype—it's amazing how much power you have at your fingertips. Another good example is the smart phone. It's just amazing how much you can do with a phone these days. Not that you have to be an engineer to have that technology, but I think you have a better understanding. You're on the same page.

**What does ASME mean to you?**

Networks, contacts, and resources. As a student member, I was able to meet a lot of other students in mechanical engineering. I still have a lot of good friends—lifelong friends—because of that. Later, after a period where I wasn't very involved in the society, I came back and became vice chair of my professional section and was chosen to be an ECLIPSE intern. I was the ECLIPSE intern to the Board of Governors and was fortunate enough to make some real connections with the board members. In fact, after I was laid off, I was able to utilize my connections with many of the BOG members. They are engineers and technical leaders who are extremely well respected in their industry and companies, and their support was unparalleled. They opened my eyes to new industries and companies all across the U.S.

For the full article click [HERE](#).

# IGTI Webinars

## Engineering Ethics in Action

### Concentrating Solar Power

**Wednesday, November 2, 2011**

11:00 AM - 12:00 PM EST

\$198 – ASME Member; \$298 – Nonmember

With the ever increasing demands in the energy market due to rising energy prices and pending greenhouse gas emission regulations, solar power technology has become a significant area of strategic interest and development. Clearly, there is an abundance of solar energy available. There are two primary methods of converting solar power to electricity on an industrial scale: with photovoltaics or with Concentrating Solar Power (CSP) facilities. This webinar tutorial is focused on the latter technology: CSP. This presentation will include an overview of current commercial CSP technology, the various thermodynamic cycles that are used at CSP facilities, and how thermal energy storage plays into the picture.

One (1) PDH

**Info/Register**

**Thursday, November 3, 2011**

11:00 AM - 12:00 PM EST

\$198 – ASME Member; \$298 – Nonmember

Co-hosted by the ASME International Petroleum Technology Institute (IPTI) and the ASME International Gas Turbine Institute (IGTI), this one hour class features interactive discussion and a focus on technical decisions that engineers must make in the workplace. This webinar is a valuable source of leadership training for early and mid-career engineers and engineering management.

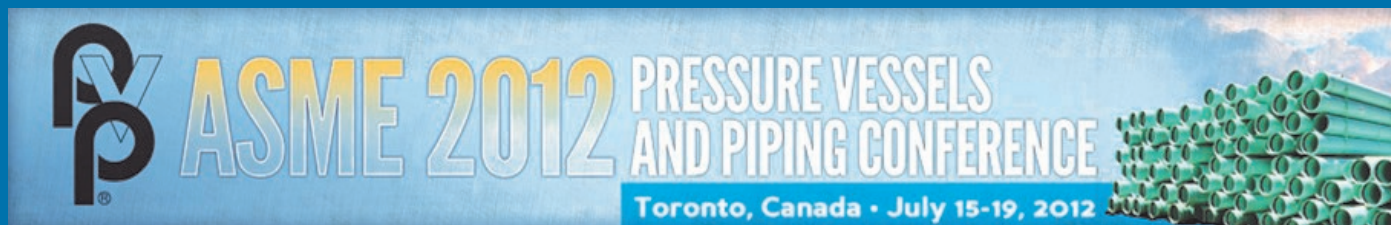
During this webinar, the participants will:

- 1) Analyze situations which require ethical decision-making
- 2) Apply an engineering code of ethics to situations requiring ethical decision-making
- 3) Identify resources for ethical decision-making

One (1) PDH

**Info/Register**

*Click Banners for more info!*



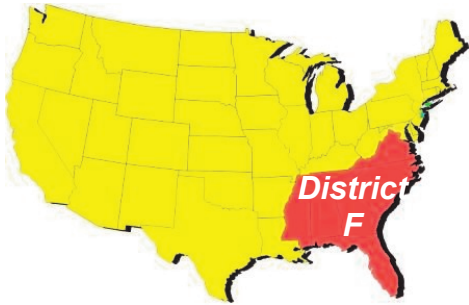
**ASME 2012 PRESSURE VESSELS AND PIPING CONFERENCE**  
 Toronto, Canada • July 15-19, 2012

**Abstracts due by November 11th**



**ICONE 20 ASME POWER**  
 July 30 – August 3, 2012 • Anaheim, California, USA  
**20<sup>TH</sup> INTERNATIONAL CONFERENCE ON NUCLEAR ENGINEERING**  
 collocated with the **ASME 2012 POWER CONFERENCE**

**Abstracts due by November 21st**



Click Region for more Info!

[www.asme-florida.org](http://www.asme-florida.org)

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## Leadership

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