

## Letter from the Chairman – May 2009

Dear Members:

In Contrast to March, April was a relatively uneventful month for the Tallahassee Section:

**April 9:** Executive Committee Meeting

**April 24:** Tallahassee Section hosted a Lunch & Learn program, the topic of which was Engineers Without Borders.

**Section Leadership:** In spite of numerous appeals since January, to date no members have expressed interest in stepping up and serving the section in one of the leadership roles. Therefore, the current FY 2009 officers will continue in their current roles, and will serve from July 1, 2009 until June 30, 2010.

The Executive Committee again thanks those who have participated in the programs we have organized. Your participation is our reward.

Siddhartha Kamath, PE, FY 2009 Chair  
Email: [kamaths2@asme.org](mailto:kamaths2@asme.org)

## 2009 CALENDAR

**May 22 (Fri.)** – "Thermal Comfort and Indoor Air Quality for Commercial Buildings as related to Standard 180" – Richard "Dick" Namovich.<sup>x</sup>

**June** – Technical Presentation – Geothermal Heat Pumps.<sup>x</sup>

**July** – TBA.

**August** – Welcome Back Students Dinner Meeting.

**September** – Technical Presentation – HVAC Ice Storage Systems.<sup>x</sup>

**October** – Tallahassee Area Solar Systems: Public and Private.<sup>x</sup>

**November** – City of Tallahassee Advanced Wastewater Treatment Project.<sup>x</sup>

**December** – TBA.

<sup>x</sup> "Lunch and Learn" at the **Ole Times Country Buffet**, N. Monroe St

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# TALLAHASSEE SENIOR SECTION

## Local Professional Societies Judge Science Fair

On Tuesday, April 21, 2009, several members of ASME, IEEE and ASCE participated in the Roberts Elementary School Science Fair judging.

There were approximately 300 projects on display, and 28 judges on hand (about 1/4 were from professional societies). The judges were quite amazed at the complexity of the projects and the professionalism of the students. The science fair was mandatory for 4th, 5th and 6th graders, which required each student to follow the scientific method, construct a presentation board and keep a journal or log book. For the 3rd graders, the scientific method and presentation board was required. Each student had to explain their project, their test method and conclusion. The judges then asked the student specific questions about the project and, using a predetermined grading scale, graded the project and awarded participation ribbons.

The judging began at 8:30 am and concluded by 1:30 pm. Lunch was provided by the Roberts PTO.

For a rewarding day, please make plans to judge a science fair next year. To make the process of volunteering to judge easier, employers could consider granting administrative leave or charging time to overhead as incentives for members to act as judges.

## Lunch and Learn – Fri., April 24, 2009

On Friday, April 24, Nicholas Azadian, FAMU/FSU College of Engineering and Project Leader for Engineers Without Borders, gave an informative talk on their potable water improvement project in San Rafael, Peru. For more information on both the organization and the specific project, visit

<http://www.eng.fsu.edu/ewb>



## Lunch and Learn – Fri., May 22, 2009

Reminder! - ASME Meeting Friday, May 22nd from 11:45 - 1:25, at Ole Times Country Buffet, North Monroe Street.

Our speaker will be Richard "Dick" Namovich of Rejuvinair. Dick was on the committee for the latest revision to ANSI/ASHRAE Standard 180. He will address the "Thermal Comfort and Indoor Air Quality for Commercial Buildings as related to Standard 180". His company has some ongoing work in Tallahassee that he will share experiences from.

## Tallahassee Community College Center for Workforce Development announces: Introduction to CNC Machining Course – Lathe Operator (MFT 0400) – May 2009

This introductory course will focus on CNC lathe machining and include basic shop math, blueprint reading, gauging and SPC used in CNC machining. It will include the LearnHAAS online software training program along with hands-on lathe training. Eight (8) seats are available. Seats are available on a first come first served basis. Class begins on Tuesday, 26 May 2009. This is a non-credit course.

**IMPORTANT:** Participants must be able to commit to the entire training schedule to successfully complete the program.

To register visit: <http://www.tcc.fl.edu/>. Self-payment requires payment due at registration. To arrange pre-payment of course payment by company, contact:

Beth Mann Pace

Manufacturing Technology Program Specialist

Center for Workforce Development

Tallahassee Community College

444 Appleyard Drive Tallahassee, FL 32304-2895 Fax: (850) 201-8617 Email: [paceb@tcc.fl.edu](mailto:paceb@tcc.fl.edu)

# STUDENT SECTIONS

## TCC Engineering Club

In Sept. 2008, the TCC Engineering club entered a statewide amateur rocket competition sponsored by the Florida Space Grant Consortium. The competition involved reaching an exact altitude of 2000 ft. The final competition launch day was on April 11, 2009, at a launch site on a farm near Bunnell.

Dr. James Carr, Faculty Adviser, posted these remarks, summarizing the results of the launch, in the TCC Engineering Club Blog –

Many of you know this already, but **the rocket project has been carried out EXTREMELY WELL by our team.** Their official competition launch was successful and came within 86 feet of the target altitude of 2000 feet. One test launch (over at the launch site in Madison County run by the NFCC Sentinel Rocket Club) had reached 2900 feet, so the rocket was capable of much more than the competition demanded.

This was the only non-hybrid rocket, so it was guaranteed to win its class. However, I was particularly pleased to read the following in the e-mail from the director of the competition:

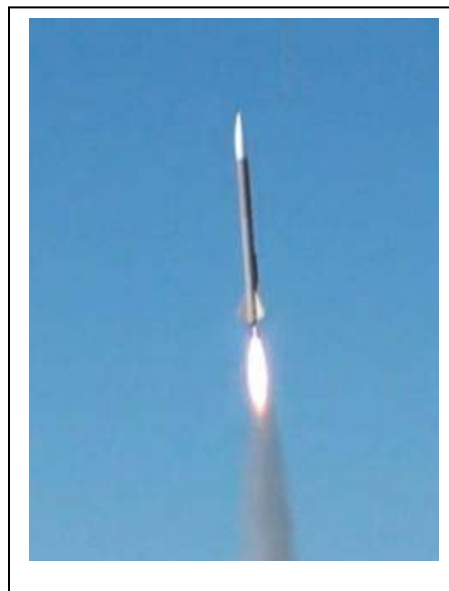
... we had 6 teams competing in the hybrid competition and your team was the most consistent with your reports and you were closer to 2000 ft.

I believe that means our team would have won an "open" competition against the teams launching hybrid rockets! As I said above: **you did an EXTREMELY IMPRESSIVE job.**

By the way, team members, don't think that detail about "most consistent with your reports" is a minor compliment. Teams have won major national competitions (like the concrete canoe race in civil engineering or some of the robot competitions in mechanical or electrical engineering) because their documentation and project presentation took top marks over a team that was slightly better in what they thought was the main competition. Being tops in both metrics (consistent reporting and hitting the target altitude) is a real triumph.



Vernon Babich, TCC Engineering Club (green shirt), Terry Zimmerman (Faculty rocket adviser, NFCC) behind him, and unidentified adviser (on right).



# ASME INTERNATIONAL

## ASME Turbo EXPO 2009! Meeting Complex Global Challenges Presented by the International Gas Turbine Institute



**ASME Turbo Expo 2009**  
June 8-12, 2009  
World Marriott Resort • Orlando, FL USA

Plan to attend ASME Turbo Expo 2009 from June 8-12, at the World Marriott Resort in Orlando, FL, where thousands of gas turbine professionals will meet to gather insights, learn about critical achievements in the industry and network with colleagues around the world.

The highlights of the conference include:

- A five-day technical congress, the world's leading gas turbine technology conference;
- A three-day premium exposition of gas turbine products and services supported by leading companies in the industry
- In-depth workshop providing fundamental study on selected subjects

Online registration for Turbo Expo 2009 is now open. To register by fax or mail, please visit <http://www.asmeconferences.org/TE09/ConfRegistration.cfm> for more information.

## ASME Y14.5 - 2009 Now Available

ASME has announced that its Geometric Dimensioning and Tolerancing (GD&T) standard, *ASME Y14.5 – 2009*, has been revised and is now available for purchase.

The *ASME Y14.5 – 2009* standard, an essential communications tool for top engineers worldwide, has undergone its first revision in more than 15 years. It includes important changes that better suit the needs of the 21<sup>st</sup> century engineer. Changes that address the concept of feature design, surface boundaries and axis methods of interpretation are included among others.

The revised standard is now available for purchase on ASME's online catalog. The site also offers discounts on related GD&T standards, personnel certification, handbooks and training courses to aid engineers in understanding the language of GD&T.

For more information on ASME Y14.5, visit: <http://go.asme.org/gdt>.

## Engineering in the Global Market: Keys for Success



Please join us for the 2009 ASME Annual Meeting, which will be held from June 14-17 at the Desert Springs JW Marriott in Palm Desert, California. The conference theme "Engineering in the Global Market: Keys for Success," will highlight strategies for business productivity and success in the world marketplace.

The featured plenary sessions at the ASME Annual Meeting, covering global engineering topics, will be moderated by Andrew W. Reynolds, deputy science and technology advisor to the Secretary of State, U.S. Department of State. Topics include:

- **"Winning Strategies for Global Engineering: Products, Processes and Productivity,"** featuring speakers from Chevron Corporation, Air Liquide Engineering & Construction, Toshiba Corporation and Caterpillar Production System
- **"Global Partnerships and Collaborations: Best Practices and Lessons Learned,"** featuring speakers from Westinghouse/Toshiba, Black & Veatch Corporation and Shell International Exploration & Production, Inc.
- **"Enhancing Your Knowledge of Global Trade: Codes and Standards as a Gateway to Global Markets,"** featuring speakers from ASME, Pebble Bed Modular Reactor, LTD, Gas Authority of India, Ltd, Bureau Veritas UK Limited and Japan Atomic Energy Research Institute, Japan Society of Mechanical Engineers

In addition, the ASME Annual Meeting will feature a wide range of seminars concerning engineering talent, education, intellectual property, codes and standards, immigration, engineering issues in the developing world and global supply chain management. The event will also provide numerous professional development opportunities for engineers and other technical professionals.

To register for the event, or for more information, [visit the 2009 Annual Meeting website](#).

## Global Engineering Management Conference (GEMC): Tackling Today's Management Challenges

The fast pace of technological change, globalization and the softening of the world economy have exerted many changes in the engineering profession. Developed by the ASME Management Division and refined by leaders in industry, the Global Engineering Management Conference (GEMC) will bring together mid-career engineering managers from key industries. With a focus on knowledge from best-in-class organizations and an emphasis on hands-on experiential learning, the GEMC will provide both technical and economical value for those who participate. The four conference tracks are as follows:

- Managing New Technology
- Managing & Developing Engineers
- Supply Chain Management within the Global Market
- Managing Your Ecological Footprint in the Energy & Environmental Era

Programming will consist of technical sessions, continuing education unit (CEU) accreditation tutorials, structured networking events, and other innovative knowledge and professional exchange forums.

To learn more and register, please visit the special Web site at: <http://www.asmeconferences.org/gemc09>

## ASME To Launch New Nuclear Seminar Series in June

This June, senior level executives from all areas of the nuclear power industry will convene in Atlanta, Ga. to share their expertise and to provide success factors for the nuclear renaissance during ASME's new Nuclear Technical Seminars program.

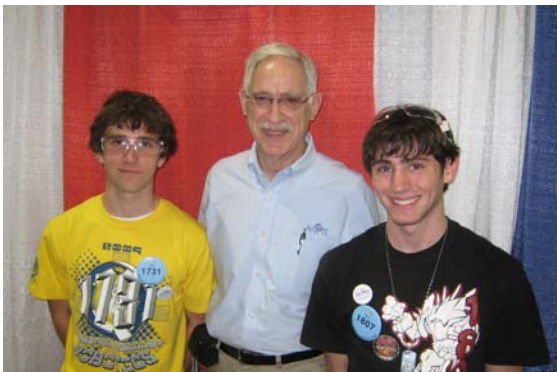
The new program, entitled, "Blueprint for the Nuclear Renaissance," which will take place from June 22-23 at the J.W. Marriott Buckhead, was developed as a forum for engineers to learn about design, construction, startup and operation for the next group of nuclear power plants from leading expert in the nuclear industry.

The five in-depth seminars will examine the industry's newest trends and will be led by more than 30 nuclear power professionals from organizations such as Areva, Bechtel, Exelon, Sandia National Lab and Westinghouse.

One of the seminars, Nuclear Power Plant Design, will provide an overview of the steps required to produce the design necessary to purchase, fabricate and construct a nuclear power plant. The program will also feature an opening plenary session, "Success Factors for the Nuclear Renaissance," which will offer an overview of the opportunities and challenges facing the next generation of U.S. nuclear power plants.

For more information on the ASME Nuclear Technical Seminars, visit [www.asmeconferences.org/nuclear09](http://www.asmeconferences.org/nuclear09) or contact Jennifer Delda, program manager, at 212 591 7108 or [deldaj@asme.org](mailto:deldaj@asme.org).

## ASME Awards FIRST Clarke Scholarships to Aspiring Mechanical Engineers



ASME President Thomas Barlow (center) poses with Levi Leppke (left) of Midland, Va., and Samuel Pace Nalbene, of Allentown, NJ, recipients of 2009 ASME Auxiliary FIRST Clarke Scholarships. The awards were presented during the FIRST Championship competition in Atlanta, Ga, recently. Katelynne Baier, of Centerburg, Ohio, was also awarded a scholarship but did not attend.

The FIRST Clarke Scholarship is awarded by the ASME Foundation and Auxiliary to a high school senior active on FIRST team and who plans to enroll in an ABET-accredited mechanical engineering program upon graduation.

# SPONSORS



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ASME International Tallahassee Section publishes this newsletter six to eight times a year. Members are requested to e-mail newsworthy articles to Doug Jones, Newsletter Editor, [jonesd2@asme.org](mailto:jonesd2@asme.org) or to Siddhartha Kamath, Chair, [kamaths2@asme.org](mailto:kamaths2@asme.org)