

## March 2008 Egg Drop Event Recap

Write-up by Mary Bailey

The Second Annual Egg Drop Event was held on Saturday, March 8, 2008, and it was an even more tremendous success this year!!! The Egg Drop competition encourages the local community to put their math and science skills to work in a fun and challenging way as they design protective cases for eggs, and then drop the eggs from 22 feet onto a target. Contestants earn points based on how many parts comprise their case, how close to the target the egg lands, whether the egg lands safely, and how much the case weighs. The top three winners in each of 5 categories receive cash prizes.

Anyone in the community can participate. There are five competing categories: Elementary school (K-5th grade), Middle school (6-8th grade), High school (9-12th grade), Adult and Teams. The Team category can include any age person and any number of people can be on a team. Each entry receives a t-shirt at the competition and entries in the Team category receive up to 4 t-shirts with their entry fee. This year's t-shirt design can be seen on the ASME egg drop website [www.asme-eggdrop.org](http://www.asme-eggdrop.org).

**2008 Egg Drop Event recap continued on PAGE 5**

## ASME MAY PROGRAM

**SPEAKER:** *Dr. Stephen Canfield from Tennessee Technological University*

**TOPIC:** *Mechanisms and Kinematics*



The field of Mechanisms and Kinematics has a long and successful history and significantly contributed to the early growth of the practice of mechanical engineering as a discipline. Recently, there has been renewed emphasis to expand the scale, performance and degree of intelligence in machines which has caused a significant growth in the theory and applications of mechanism and robotics. This growth will lead to new methods for the design of mechanisms and machines, and new solutions to challenging engineering problems.

## MAY 15<sup>TH</sup>, 2008

**@ The Eastman Lodge Banquet Room**

404 Bays Mtn Park Road, Kingsport, TN 37660

### Program Schedule

5:15 - 5:45 Arrival/Social

5:45 - 6:15 Dinner

6:15 - 6:30 Welcome, Recognize Chairs & Early Career Award winner

6:30 - 6:45 Educational Initiatives

6:45 - 7:45 Distinguished Lecturer - Dr. Canfield

*Pricing is \$12 non-members, \$10 members, \$5 members' kids under 12 (kids 3 & under eat free), teachers and one guest may eat free.*

### INSIDE THIS ISSUE

- 1,5,6 **Local Section News**
- 2 **2008 ASME Annual Meeting**
- 2 **Turbo Expo in Berlin**
- 3 **ASME 5K Walk for EWB**
- 4 **Volunteers Opportunities Bulletin Board**
- 6 **New Foundation Scholarships Announced!**

## **TURBO EXPO 2008 – BERLIN**



Plan now to participate in ASME Turbo Expo 2008, to be held June 9-13, at the Estrel Berlin Hotel & Convention Center in Berlin, Germany. ASME Turbo Expo brings together the best and the brightest in the worldwide gas turbine community to present the newest developments and discuss global issues affecting the industry. The conference will feature an expanded 5-day Technical Congress with sessions, tutorials and panel discussions, and a 3-day exposition showcasing the products and services of engine manufacturers, software developers, research laboratories, and other firms in the worldwide power industry. Presented by the ASME International Gas Turbine Institute, Turbo Expo will include a keynote session with industry leaders and several facility tours of companies located in the Berlin area. Online registration for Turbo Expo 2008 is now open. For more details, visit the Web site at <http://asmeconferences.org/TE08/index.cfm>, or call 800-843-2763.

### **ASME PeerLink<sup>SM</sup> Expands Networking and Collaboration Opportunities for Engineers**

Responding to the growing need of engineers and other technical professionals to connect and exchange information, ASME has launched its new communities of practice ASME PeerLink.

ASME PeerLink now offers new features designed to enhance your experience connecting, collaborating and networking with your peers. ASME PeerLink helps broaden communication capabilities through blogging, interactive whiteboards, document collaboration and real time chat.

To learn more and register, go to <http://peerlink.asme.org>.

## **PREPARE FOR TOMORROW'S ENGINEERING CHALLENGES - TODAY!**



ASME's **2008 Annual Meeting**, to be held June 7-11, 2008 at the *Walt Disney World Swan and Dolphin* Resort in Lake Buena Vista, Florida, will bring together senior level executives and engineers representing some of the world's top organizations, including IBM, Westinghouse Electric and Boeing – and even the White House – to present their views and perspectives on how emerging business challenges and technological complexities are forcing engineers to adopt new management strategies -- including interdisciplinary collaborations -- to remain competitive.

Numerous plenary sessions, workshops and professional development opportunities including a Career Expo represent an unmatched opportunity to build knowledge, gain practical skills and advance your career.

Learn more about the 2008 ASME Annual Meeting and register today at [www.asmeconferences.org/annualmeeting08/index.cfm?channel=secnews&issue=may08](http://www.asmeconferences.org/annualmeeting08/index.cfm?channel=secnews&issue=may08)

### **Inspiring Engineering Diversity**

Engineer Your Life (EYL) and the National Association for College Admissions Counseling (NACAC) are teaming up with ASME at dozens of college fairs for high school students throughout the United States. The EYL campaign has developed, tested and is now providing messages and materials to promote engineering to college-bound high school girls. Volunteers are encouraged to become part of the campaign by participating in the fairs. EYL fair exhibits are designed to break down commonly held perceptions about engineering and encourage girls to consider it as a college and career option. Interested in helping out? Contact Marina Stenos at [stenosm@asme.org](mailto:stenosm@asme.org) for more information.



ASME 5K Walk for EWB  
Sunday, June 8, 2008  
Walt Disney Swan and Dolphin Resort  
Orlando, FL

Grab those sneakers and a bottle of water and get moving for a great cause! ASME, in conjunction with the 2008 ASME Annual Meeting, is holding a 5K Walk for Engineers Without Borders (EWB), a non-profit humanitarian organization established to partner with developing communities worldwide in order to improve their quality of life. Specifically, this partnership involves the implementation of sustainable engineering projects, while involving and training internationally responsible engineers and engineering students.

A great way to start off your day, this 5K course takes you on a scenic route around the beautiful EPCOT® Resorts area, comprised of the Walt Disney Swan and Dolphin Resort, the Boardwalk Resort, and Disney's Yacht and Beach Club. For walkers who desire a brisk but shorter workout, a 3K course offers an alternate route, with breath taking views.

There is a \$50 fee to participate, with net proceeds donated to Engineers Without Borders. For full details and to register, go to <http://www.asmeconferences.org/annualmeeting08/ind ex.cfm> For more information on EWB, please visit <http://www.ewb-usa.org/>

### **Become A Mentor Today! 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, log onto [http://www.asme.org/jobs/mentoring/EMentoring\\_Early\\_Career.cfm](http://www.asme.org/jobs/mentoring/EMentoring_Early_Career.cfm) or contact Noel Netel at [neteln@asme.org](mailto:neteln@asme.org).



### **Student Participation Leaps for 2008 ASME I•Show**

Solicitation ended April 15 for the 2008 ASME I•Show with a whopping 40% increase in student team entries over the previous year. Over 30 collegiate teams from 23 schools provided one-page summaries of their innovation, touting its cutting edge attributes and market viability. Currently under panel review, teams with the most creative yet feasible ideas will advance to the 2008 ASME I•Show competition, where they will present their technology to a judging panel of entrepreneurs, industry experts, venture capitalists, and intellectual property specialists. Their reward: industry recognition and seed funds.

2008 ASME I-Show teams will be announced on Friday, May 9. The live competition will be held Oct. 31, 2008, in Boston, MA, in conjunction with IMECE.

For details, go to <http://www.asme.org/events/ishow>

### **Thinking about your career? Visit ASME's Career Center!**

Are you thinking about making some major career changes? Perhaps you are looking for a new job, finding out what you are worth, raising your profile at work or networking with other engineers to expand your career opportunities? ASME can help you energize your career this year with a variety of member benefits.

Find a job, build your resume or get advice at ASME's Online Career Center, the only job board dedicated exclusively to Mechanical Engineers. Find out what you're worth by taking the ASME Salary Survey, and get a basic report on how your salary compares to other engineers in your region, field or experience level.

Visit the ASME Career Center at <http://www.asme.org/Jobs/> for more information.

## Join us for the 2<sup>nd</sup> Annual European Bioprocess Technology Seminars and Exhibition!

Plan to attend the 2<sup>nd</sup> Annual European Bioprocess Technology Seminars and Exhibition from June 23-25, 2008 in Stockholm, Sweden! Featuring 6 cutting edge seminars, this conference will provide in-depth coverage of timely industry topics such as bioreactor design, purification process development, aseptic fill and finish, equipment design, disposables technology and systems maintenance and operations.

Each seminar is lead by a panel of industry experts who will discuss the latest advances, case studies and best practices. The expert panel will include representatives from Amgen, Biogen, GE Healthcare Life Sciences, CRB, ABEC, LifeTek Solutions, Baxter, Fluor Corp, Merck and many more.

For more information on the European Bioprocess Technology Seminars, visit [www.asmeconferences.org/bioprocessEurope08](http://www.asmeconferences.org/bioprocessEurope08) or contact Jennifer Delda, program manager at 212-591-7108 or [deldaj@asme.org](mailto:deldaj@asme.org)

## Expand Your Horizons Volunteer with ASME Using the Volunteer Opportunities Bulletin Board (VOBB)

Have you thought about volunteering at ASME, but don't know where to start? Try the VOBB. If you are an experienced ASME volunteer and would like to find a new project, the VOBB is the place for you. As a tool designed to help volunteer leaders promote local Section and Society-wide positions, it opens the door to new opportunities. The opportunities for involvement include pre-college and educational activities, standards development, government relations, honors and awards selection, the development of new programs and more.

To learn more about the VOBB and the volunteer positions available, go to <http://volunteer.asme.org/vobb/>.

**THE ASME  
FOUNDATION**



## 2008 ASME Foundation – ASME Auxiliary FIRST Clarke Scholarship Winners

The ASME Foundation and ASME Auxiliary have announced the winners of 2008 FIRST Clarke Scholarships. The joint scholarship program recognizes and rewards students whose FIRST experience has inspired an interest in pursuing a career in engineering. This year's recipients are high school seniors who are active on FIRST teams, and were nominated by ASME members & Auxiliary members or student members who are also active on FIRST teams.

**Kevin J. Fuhr  
Hahna R. Alexander  
Alessandro Sambvani  
Samantha Catanzaro  
Emily P. Griffen  
Kenan L. Paulus  
Ricky Wilson  
Alex David Trainer  
Timothy W. Samson  
Bao-Nhat Nguyen**

**Cypress Creek High School  
Ithaca High School  
Cimarron Memorial High School  
Staten Island Technical High School  
Villa Maria Academy  
St. Mark's High School  
Oxford Area High School  
Jupiter Community Senior High School  
Kell High School  
North Quincy High School**

**Orlando, FL  
Ithaca, NY  
Las Vegas, NV  
Staten Island, NY  
Exton, PA  
Elkton, MD  
Oxford, PA  
Jupiter, FL  
Acworth, GA  
Quincy, MA**

## **RECAP OF ASME'S APRIL PROGRAM**



### **The Holston Section of ASME toured the Gray Fossil Museum and Gray Fossil Site on April 24<sup>th</sup>.**

Eighteen members and guests toured the Museum, Laboratories, Learning Center, T-Rex "Sue" Exhibition, and Fossil Site. The T-Rex Exhibition is cast replica of a Tyrannosaurus Rex found in the hills of South Dakota by Sue Hendrickson now owned by Chicago Field Museum. Sue is the largest Tyrannosaurus fossil ever discovered and is 90% complete and over 42 feet long.

Gray Fossil Site was discovered in 2000 when Tennessee Department of Transportation workers were widening state route 75 along a 1-mile stretch. In May of that year, workers dug up black clay deposits which drew concerns about the stability of the soil for the road project. DOT geologists were brought in and further digging unearthed bone fragments.

In June, further exploration yielded animal skulls (including an alligator), ribs, legs and backbones. The DOT stopped work at the end of June. Tennessee Governor Don Sundquist visited the site with state geologists, DOT representatives and members of the ETSU Environmental department.

The discovery of a rhino led them to the conclusion that the fossils were of the Miocene Epoch (4.5+ million years old.) Eventually, the road was realigned and Dr. Steven Wallace was hired to oversee the excavation of the site. Before leaving office, Gov. Sundquist presented ETSU with an \$8 million grant to build and visitor museum/research facility.

The site is approximately 5 acres and core samples of rich fossil deposits have been made up to 140 feet. The knowledgeable tour guides (who also work at the site and its research facilities) will tell you that less than 1% of the site has been excavated and they anticipate another 200 years of work!

The museum opened in August of 2007. It is a 33,000 square foot building and one of the few museums actually located on a fossil site. The excavation teams had to work early on to dig through the soil excavated for the museum building. In fact that is where they discovered the "new" species, a Red Panda, one of 2 new species discovered at the site in its brief history of excavation.

## **2008 Egg Drop Event Recap (continued from PAGE 1)**

During the event, there were over 150 eggs dropped – a 50% increase in participation over 2007. With approximately 200+ participants and an additional 200 spectators to the event, this is quick becoming very popular with our host, the Kingsport Mall, and the community in general. Pictures of the event winners can also be seen at our website and I would encourage you to look over them and see the impact that we had on getting this community excited about engineering and technology based careers. The imagination and creativity in all the egg drop designs was quite a sight to see, and the excitement in the eyes of participants and spectators was oh so satisfying...

This year we were able to get a celebrity emcee for the event, Tom Taylor, three time A.P. Sports Broadcaster of the Year and host of Tri-Cities Morning Show on AM870. Our special guest speaker was Allan Jones, CEO of Discovery Ice Cream, who gave a very short but interesting speech on engineering in our everyday lives. We were also fortunate to have 20+ volunteers from the engineering and technical community who helped the event to run smoothly.

ASME owes a great big thank you to our sponsors -- who made this event possible. Without their financial support, the local ASME section would not have been able to fund this! Several area sponsors include: Eastman Chemical Company, Day & Zimmermann, ASME, AIChE, ASCE, ASQ, Domtar, The Wright Webmaster, Times News, FLUOR, Discovery Ice Cream, Food City, Eastman Credit Union, ATECO, Charter and the Fort Henry Mall.

**PICTURES OF THE 2008 EGG DROP – PAGE 6**

## ASME'S 2008 COMMUNITY EGG DROP – PICTURES

