

Chairman's Message

Dear Susquehanna Section Members

Greetings! I'm sure that many of us are looking forward to Spring and hopefully you are planning to set aside some time from your Spring cleaning to attend one or more of our upcoming events! For the latest information, check out the section website: <http://sections.asme.org/Susquehanna/>

Looking ahead, several fun and informative spring meetings are on the schedule, the next one at Elizabethtown College on Thursday April 19. You will tour the Solar Cabin and enjoy the student presentations. The cabin is a part of a \$7500 Strategic Grant as a springboard to a research project called the "Standalone Green-Power for Village Settings Initiative"

The 200 square foot cabin has 12 solar panels mounted on the roof with a rated peak power totaling 2200 Watts. The cabin is completely standalone and is designed as both a student study cabin and as a platform to test and demonstrate alternative energy storage systems. This project specifically explores non-battery (electrochemical) based energy storage techniques. While batteries are widely used and moderately effective, limited lifetimes, cost and size, as well as environmental disposal concerns compel engineers to explore other technologies. Energy storage techniques such as pumped hydroelectric, flywheel, ultra-capacitor, hydrogen and compressed air systems all show promise for substantially improved lifetime and reduced lifecycle environmental impact for various applications. The solar cabin system uses a pneumatic/oil hydraulic energy storage system; an additional hydrogen electrolysis system may be installed in the future to utilize excess power when primary energy storage is full.

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Attention Section Members: Local Employment Opportunity:

Senior Engineers:

Robson Forensic, Inc. is a leading firm of forensic experts who provide investigation, analysis, reports and testimony where technical and scientific answers are needed to help resolve both civil and criminal litigation, and insurance claims. We offer knowledge in dozens of disciplines and specialties. Our experts are seasoned, skilled professionals with impeccable academic and professional credentials. We work in an aggressive, competitive and serious environment. We seek:

Product Design Engineers - Experienced in design and maintenance of all types of products and all types of industrial, commercial and consumer equipment; additional expertise as mechanic, equipment operator or toy industry a plus.

Industrial Engineers - Experienced in occupational safety and health, design and maintenance of industrial, manufacturing, and materials handling facilities, production processes and equipment.

Requirements: degreed professional with more than 15 years hands-on experience; P.E. a plus; able to work as a part of a comprehensive team; excellent analytical skills; excellent writing and communication skills; able to communicate and teach highly technical information to lay people (client and jury), at ease with providing technical support for litigation and claims; computer literate (Microsoft Office; specific discipline programs)

If this opportunity meets your requirements for challenging and rewarding assignments, and you meet our minimum requirements, please email your resume and a cover letter describing you and your previous experience to:

jobs@robsonforensic.com.

Ref: ASME-042007

Chairman's Message Cont.

May comes with a rip tide when we tour the Boardwalk...the Boardwalk at Hershey Park, that is. You won't want to miss this pre-summer "splash". Gather up the family for warm breezes and beautiful sunset, not to mention the saltwater taffy.

For June we are planning a huge social gathering to include most of the local engineering societies. Please standby for more details.

Check upcoming newsletters or the website for details on how to sign up for these events and be sure to make your reservations early, since space is limited for most!

WE NEED YOU! Also in April we will be publishing a member survey. Your Executive Committee has been analyzing your section's performance and path for the future... with the goal of serving YOU. Part of that effort is to obtain your needs, thoughts, and ideas both personal and professional. Your participation is required.

I look forward to seeing you AND hearing from you at our meetings this Spring!

Yours in ASME,
Mike

Upcoming Early Career Forums & Fairs

Toronto, Ontario, Canada - June 10, 2007 (At ASME Summer Annual Meeting)

Seattle, Washington – Nov. 11, 2007 (At ASME International Mechanical Engineering Congress & Exposition).

For more information on the Forums and Fairs, and important updates for US Citizens traveling to Canada, visit:

http://www.asme.org/Communities/EarlyCareer/Forum/Upcoming_Events.cfm

ASME 2007 EARLY CAREER FORUMS & FAIRS

Don't miss this opportunity to network with peers and get first hand practical advice and information on issues relevant to your developing engineering career.

Attend the next Early Career Forum & Fair in Montreal, Canada - May 13, 2007 (At ASME Turbo Expo) Palais des Congrès in Montréal, Canada
9:00 AM - 5:00 PM

The program will consist of a career fair which will follow two panel discussions moderated by successful industry experts and senior-level engineers, from *Pratt & Whitney, Rolls-Royce, MTU Aero Engines, Dassault Aviation Systems and NASA.*

[Register now/get more information
http://www.asme.org/Communities/EarlyCareer/Forum/Early_Career_Forum_Fair.cfm](http://www.asme.org/Communities/EarlyCareer/Forum/Early_Career_Forum_Fair.cfm)

Program Highlights

- The Global Landscape: Essential Strategies to Transform Your Career in the Gas Turbine Industry
- Career paths in the gas turbine industry
- The Gas turbine industry – globally speaking

*Registration will include admission into [ASME's Turbo Expo](http://www.asme.org/Communities/EarlyCareer/Forum/Turbo_Expo) (<http://asmeconferences.org/te07/>) technical sessions for Monday, May 13.

To register, for the Early Career Forum, visit:
http://www.asme.org/Communities/EarlyCareer/Forum/Early_Career_Forum_Fair.cfm

Call for Submissions: The Local Scoop!

Share your good news! ASME's Strategic Communications Committee, within the Center for Public Awareness, wants to publicize and celebrate noteworthy events and/or success stories that have occurred within your District or Sections!

If your District or Sections are planning or have completed some event or activity that you would like to share with the general ASME membership, contact Marina Stenos at stenosm@asme.org. You can either provide the information directly, or give us a contact person and we will follow up.

Test Your Knowledge of the ASME e-Library and You May Win a Prize!

Enter the ASME E-library Challenge and test your research abilities! The Challenge has 3 to 5 questions which can be answered by using the resources in the ASME e-library. Prizes include American Express gift cards and ASME membership renewals.

The Challenge will be held from Feb. 19 to March 19, 2007. There are separate versions for members and students and winners will be chosen from entries that have all questions answered correctly.

Not familiar with the ASME e-library? It's a collection of 75 interactive technical references, available free to members. Use it anytime for answers to your technical questions, 24/7, anywhere you have an Internet connection.

To find out more about the library – or to sign up and login, just go to <http://www.asme.org/Membership/Benefits/Professional/eLibrary.cfm>

To enter, choose either the member or student edition.

Member:

http://info.knovel.com/ASME/ASME_professional_quiz.htm

Student:

http://info.knovel.com/ASME/ASME_academic_quiz.htm



Advancing Your Career

The ASME Professional Practice Curriculum (PPC) is an online resource designed to help you advance in the engineering profession by providing guidance and resources on subjects that complement an engineers technical skills.

The PPC consists of 42 modules on topics ranging from product development and writing cost proposals to team building and negotiation. The PPC also provides information on alternative engineering career paths such as patent law, marketing and sales, and entrepreneurship.

Currently, the 5 modules in the Career Transition Series are free of charge. ASME members additionally have access to the following 4 modules through the [Members Only](#) website:

- Introduction to Intellectual Property (Business & Legal Series)
- Leadership Styles and Attributes (Management & Leadership Series)
- Effective Technical Presentations (Communications Series)
- Product Management (Product Management Series)

To get started, please visit

www.professionalpractice.asme.org

ASME To Hold Three Industry-Focused Conferences on Biotechnology

Leaders in the science and engineering communities will assess the latest technology in bioprocess engineering, biomechanics and medical devices and instrumentation at three ASME conferences in June 2007.

The ASME Bioprocess Technology Seminars and Exhibits will be held June 4-6, 2007, at the Radisson-Dublin St. Helens Hotel in Dublin Ireland. The second conference, Frontiers in Biomedical Devices 2007, is scheduled for June 7-8, at the Hyatt Regency Irvine in Irvine, Calif. The 2007 Summer Bioengineering Conference will take place June 20-24, at the Keystone Resort and Conference Center in Keystone, Colo.

The three conferences will examine the progress and future directions in biotechnology research, and provide practitioners with the latest tools and training to advance commercial applications in the field. ASME's objective in presenting the conferences is to provide the fast-growing biopharmaceutical industry with useful resources to solve technology challenges.

For more information, visit: http://www.asme.org/Communities/Technical/BPE/Bioprocess_Activities.cfm

SUSQUEHANNA SECTION ASME

April 2007 Meeting Notice

Executive Committee
2006-2007

Chairman

Michael R. C. Grandia, PE
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Vice Chairman

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David Kitlan, PE

Professional Development

Michael R. C. Grandia, PE

SUSQUEHANNA TECH TALKS

Thursday, April 19, 2007

Location: Elizabethtown College – M&M Mars Room (to the Right of Leffler Chapel)

Elizabethtown, PA

Time: 5:45 PM - Registration and Social
6:00 PM - Tour of Solar Cabin
6:30 PM - Dinner
7:15 PM - Student Presentations

Meal: Hot Buffet consisting of:

- Roast Sirloin of Beef with Cabernet Sauce
- Tortellini with Alfredo Sauce, peas and Mushrooms
- Garden Salad (Ranch or Vinaigrette)
- Fruit Salad
- Starch and Vegetable
- Rolls and Butter
- Assorted Desserts
- Coffee/ Decaf/ Tea/ Water

Cost: \$15 for Members and Guests
\$8 for Students

Reservations: Please call & leave your name and phone number with a contact listed below by **12 Noon, Wednesday, April 11, 2007** if you plan on attending.

Harrisburg/Lebanon	Joe Olson	717-592-4423
Lancaster	Marion Mencer III	717-314-8207
York	Don Angstadt	717-848-1126
		Ext. 2448

or Email Reservations to: kitland2@asme.org

Guests Are Welcome!!

Directory (Continued)

Historian

Ed Trunk

717-948-6119

evtrunk@aol.com

Honors & Awards

Joe Olson

*Membership Development- Open
Board on Minorities
and Women – Open*

Government Relations – Open

Public Relations – Open

*Professional Practice
and Ethics – Open*

College Relations

Gerald Hershman

New Holland, PA

717-355-3955

Gerald.Hershman@cnh.com

Student Section Advisors

Elizabethtown College

Jean Fullerton, Ph.D.

Director of Engineering Programs

Physics & Engineering

Department

fullertonj@etown.edu

717-361-1348

Messiah College

Tim Whitmoyer, Ph.D.

717-766-2511 Ext. 2448

whitmoye@messiah.edu

Penn State at Harrisburg

Isaam Abu-Mahfouz, Ph.D. PE

717-948-6361

iaa2@psu.edu

York College

Tim Garrison, Ph. D

717-815-1710

garrison@ycp.edu

SUSQUEHANNA TECH TALKS

It is that time of year again....Student Projects!!!! Come join the Susquehanna Section as we learn what the Students are working on and how they have used their Technical training to meet the requirements for their project. Come learn what challenges students face when they construct and race a solar powered boat in a national competition or how they constructed and programmed a robot to compete against other students from across the nation. It is sure to be an informative time.

DIRECTIONS

From Route 30...

Travel **west** on Route 30 to **Route 283**. Travel **west** on Route 283 to **Elizabethtown/Rheems** exit. Turn **left** at end of exit ramp onto Cloverleaf Road and proceed one mile to **Route 230**. Turn **right** and travel west to Elizabethtown. **Turn right at College Avenue** and proceed to the College. Leffler Chapel is behind the pond on College Ave. The M&M Mars room is to the right if you are facing the chapel.

From Route 743...

Travel **south** on Route 743 to Elizabethtown. Turn **left on Market Street (Route 230)**. Travel east through **three traffic lights** until you reach **College Avenue**. Turn **left** and proceed to the College. Leffler Chapel is behind the pond on College Ave. The M&M Mars room is to the right if you are facing the chapel.

Invite a fellow engineer to the meeting and encourage him or her to become an ASME Member!

Local Section

Marion D. Mencer III, P.E.
193 Hostetter Ln
Lancaster, Pa 17602

POSTAGE

ADDRESS SERVICE REQUESTED

Mailing Address
Street Number and Name
City, State 98765-4321