



# Susquehanna Section News

Editor: Milton H. Leake, PE

November 2004

## Chairman's Message

*Dear Susquehanna Section Members,*

I hope that everyone is enjoying the fall season and that you are planning to come to one or our interesting programs that are being planned for the coming weeks. Be sure to keep up on the latest Section information by reviewing the newsletter and visiting our website at:

<http://sections.asme.org/Susquehanna/>.

Thanks to those who attended the fall kickoff meeting in September at the museum of the Antique Automobile Club of America in Hershey. Ms. Garganes and the museum staff helped to insure that the meal and tour of the impressive exhibits went smoothly. Tom Potter, Joe Olson and Steve Dohne were honored for their Section work in recent years. Maria Graybill received the Section's annual scholarship as the outstanding senior ME student of the year. Special thanks to Tom Potter for bringing his Model T to the event!

October's meeting was a tour of the AES Ironwood Powerplant in Lebanon, PA. Thanks to Mr. Jim Conte of the plant and to our Vice-Chairman, Michael Grandia, for making this tour both interesting and possible. Because of the impressive state-of-the-art plant systems, we have already talked about another visit to the plant sometime in the future.

(Continued on page 2)

## Editorial

Our lives are filled with so much, we seem to be always rushing from one task or event to another with little time to catch our breath. Those of us who are retired or are "empty nesters" are no less busy than those of you who have children at home. We just have a different focus in our lives. Sometimes it is good to take stock of where we are and what we are doing. As Mechanical Engineers, we have the opportunity to be of service to society through our daily work as we plan, study, design or supervise work involving machines or processes that provide goods for the benefit of all. There are pressures to be profitable in the short run, at times without looking to the long term results of decisions, either for our business or company or for succeeding generations. When you are able, take the long-term view as you go about your daily tasks and when you are involved in planning. We are consuming our natural resources at an ever-increasing rate as more nations gain in technology and increase the standard of living of their people. It is in the long-term interest of all nations to take a proactive stance in energy conservation and work to eliminate activities that damage or destroy natural resources.

Milton Leake, PE

## Program Plan 2004-2005

Oct 20	Ironwood Power Plant, Lebanon
Nov 9	PE Review Course begins
Nov 18	FEA/Simulation, York College
Dec 17	Hershey Bears Hockey
Jan 21	Financial Planning
Feb 25	Artificial Heart Project
Mar 31	Distinguished Lecturer
April 21	Student Tech Talks
May 19	Hershey Park tour
June 19	MAGLEV - Rep. Geist

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**Don't Forget to Vote!**

### Chairman's Message, continued

Our upcoming fall programs include a dinner and presentation on Computer-Aided Engineering software on Thursday, Nov. 18 at York College and a return of our popular family outing to a Hershey Bears hockey game on Friday, Dec. 17. Since Christmas Candylane opens at 5 PM that evening, if desired, the visit to the game can be preceded by a short trip to HersheyPark. Please check the newsletter for details on how to sign up for these events and be sure to make your reservations early, since space is limited!

If you are an ME graduate from University Park, please feel free to pass along any stories about your days at Penn State. I was able to attend the 1st Annual ME Tailgate Party behind Hammond Building this homecoming weekend. Those in attendance enjoyed a great barbecue and got to see some ME projects as well as a tour of the Reber Building. We met current ME students and staff, including Dr. Richard Benson, the current Dept. Head. The old ME rooms have long since been replaced with state-of-the-art labs for Vibrations, Heat Transfer, Fluids and Turbines. The use of technology was quite a contrast to those like me who used the mainframe in Hammond to run ME calculations!

As always, feel free to let us know if you would like to become more involved with our Section or to pass along feedback and suggestions on how to better serve our members. I hope to have the chance to see you either at our Nov. 18 meeting on CAE in York or at the Dec. 17 Hockey Game in Hershey!

Best wishes! Dave  
[kitland2@asme.org](mailto:kitland2@asme.org)



Have you noticed the new ASME logo? The last Susquehanna Section newsletter used the "old" logo. We have now changed to incorporate the new logo in our newsletter. It will take a while for us to automatically think "ASME" without the accompanying cloverleaf.

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### Partners In Mechanical Engineering Grants Available

The Board on Diversity and Outreach is accepting applications for Partners in Mechanical Engineering grants. All ASME Sections are eligible to apply. Grants are made on a first-come, first-served basis. For more information, go to <http://www.asme.org/communities/diversities/bdo/partnersml>

### ASME Launches 'Communities of Practice'

Want to talk to your peers about technical matters, career and personal interests? Do you need communicate with your peers without going to a meeting or even leaving your desk?

Now ASME offers you a new tool to communicate, get the information you need and meet others with similar interests and concerns at the new ASME Communities of Practice site.

On the CoP site, you can join a community, suggest a new community, participate in discussions and polls, and post your own message or request to be notified when messages are posted on the community. Its your choice what communities you participate in, and how you choose to participate.

The Communities of Practice pages also allow you to customize your own personal page to include your communities, your own links and calendar and to access an ASME event calendar.

You will need to register the first time that you use the page, and set your preferences for your home page. It only takes a few moments – then you are ready to participate, or just observe the discussions. To visit the site, and test the features for yourself, go to [www.cop.asme.org](http://www.cop.asme.org)

### New Mortgage Benefit for ASME Members!

Wachovia makes the mortgage process easy by providing competitive rates, quick approvals, and accurate closings. Members also receive friendly, personal attention through an ASME-dedicated mortgage team.

For details, visit <http://www.wachovia.com/misc/0,,507,00.html>

# SUSQUEHANNA SECTION ASME



## November 2004 Meeting Notice

Executive Committee  
2004-2005

*Chairman*  
Dave Kitlan, PE  
Penn State University  
Middletown, PA  
717-948-6639  
[kitland2@asme.org](mailto:kitland2@asme.org)

*Vice Chairman*  
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*Program Coordinator*  
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*Professional Development*  
Michael R. C. Grandia, PE

*Public Relations*  
Open

*Member Interests*  
Milton Leake, PE  
York, PA  
717-757-7097  
[leakem@asme.org](mailto:leakem@asme.org)

**MSC Software's CAE Vision**  
York College of Pennsylvania, York, PA  
Thursday, November 18, 2004

**Program: Overview of FEM use today and  
MSC Software's 2-5 Year plan for  
product development**

Time: 6:00 PM Registration and Social  
6:30 PM Dinner  
7:30 Presentation

Cost: Adults \$15.00 Members/ \$16.00 Non-members  
Students \$ 9:00

Menu: Choice of Loin of Pork, Traditional Stuffed Shells,  
or Boneless Stuffed Chicken Breast  
Tossed Green Salad  
Baked Potato  
California Vegetable Blend  
Desserts  
Rolls  
Drinks

Please call and leave your name, phone number and choice of entrée with one of the persons listed below by **Noon, Thursday November 11, 2004**, to make your reservation. Please call to cancel if for some reason you are unable to attend. Try to have exact change or a check.

**Harrisburg/Lebanon**  
**Lancaster**  
**York**

**Dave Kitlan**  
**Steve Dohne**  
**Don Angstadt**

**717-948-6639**  
**717-396-6464**  
**717-848-1126**  
**Ext. 2448**

E-mail reservations [kitland2@asme.org](mailto:kitland2@asme.org)

**Directory (Continued)**

*History & Heritage*

Dave Kitlan, PE

*Historian*

Ed Trunk

Middletown, PA

717-948-6119

[trunke@asme.org](mailto:trunke@asme.org)

*Honors & Awards*

Joe Olson

TYCO, Inc.

Harrisburg, PA

717-592-4423

[olsonj4@asme.org](mailto:olsonj4@asme.org)

*Unemployed Members*

Milton Leake, PE

*Membership Development*

Steve Dohne, PE

Armstrong World Industries

Lancaster, PA

717-396-6464

*Board on Minorities*

*and Women*

Open

*Government Relations*

Open

*Professional Practice*

*And Ethics*

Michael R. C. Grandia, PE

*College Relations*

Open

**Student Section Advisors**

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Tim Whitmoyer, Ph.D.

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[whitmoye@messiah.edu](mailto:whitmoye@messiah.edu)

*Penn State at Harrisburg*

Isaam Abu-Mahfouz, Ph.D. PE

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[iaa2@psu.edu](mailto:iaa2@psu.edu)

*York College*

Tim Garrison, PhD

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[garrison@ycp.edu](mailto:garrison@ycp.edu)

**Please post this meeting notice on your company Bulletin Board.**

## MSC Software's CAE Vision

Computer-Aided Engineering (CAE) software continues to play an increasing role in the work of mechanical engineers. As the computational resources have increased, so has the capability of this software (such as Finite Element Analysis or FEA). This presentation from MSC Software (widely known as a source of the Nastran code and a major supplier of CAE software) will offer some insight into the future of CAE.

The presentation will cover topics such as the following:

Overview of FEM Use today

MSC Software's 2-5 Year Plan for Virtual Product Development

CAD Embedded Analysis

Combining Analysis Disciplines

Automating Processes

CAE and Stochastic Methods (Robust Design)

Mr. Anthony Davenport has worked for MSC Software for three years as a Senior Application Engineer assisting customers in finite element analysis.

Prior to his work at MSC Software, Mr. Davenport worked in the Finite Element field for over 10 years with Electronic Data Systems, Westinghouse and Northrop Grumman. He has presented at several conferences, including the MSC 1999 Aerospace Conference in Long Beach, CA, and the NASA Goddard FEMCI conference. The majority of Mr. Davenport's work is in the field of dynamic analysis of satellite structures. He holds a Bachelor of Science in Mechanical Engineering from the University of Maryland, College Park, and is a proud member of the Terrapin community.

### **Directions to York College and meeting**

For directions, see web site

[www.ycp.edu/admissions/undergrad/669\\_635.htm](http://www.ycp.edu/admissions/undergrad/669_635.htm).

(Included in the newsletter for US Mail Newsletter recipients)

Visitor parking is in the lot on the left after you enter the college grounds.

The meeting will be in Alumni Hall of the Student Union Building. This building is the second building on the right after you enter the college grounds. Alumni Hall is on the left as you enter the building.

**Invite a fellow engineer and encourage him/her to become an ASME Member.**

# SUSQUEHANNA SECTION ASME



## December 2004 Meeting Notice

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## December Family Outing Hershey Park Christmas Candylane and Hershey Bears Game

**Friday, December 17, 2004**

- Location:** Hershey Park and Giant Center,  
Hersheypark Drive, Hershey, PA
- Time:** 6:45 Registration – Meet in front of Giant Center  
5:00-10:00 PM Christmas Candylane  
7:30 Start of Hockey Game
- Cost:** Christmas Candylane is free admission (Pay as You Ride)  
\$15.00 per person if attending Game  
**There is a \$7 per car parking fee.**
- Meal:** Dinner is on your own  
There are several places to eat, either before, during or after the hockey game.

**Reservations:** Please call and leave your name and phone number with one of the persons listed below by **5 PM, Monday, December 6, 2004** to make your reservation and to indicate if you are attending the game. Please call to cancel if for some reason you are unable to attend. Try to have exact change or a check if attending game.

Harrisburg/Lebanon  
Lancaster  
York

Dave Kitlan 717-948-6639  
Steve Dohne 717-581-0203  
Don Angstadt 717-848-1126  
Ext. 2448

E mail reservations

[kitland2@asme.org](mailto:kitland2@asme.org)

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### *Penn State at Harrisburg*

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### *York College*

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Please post this meeting notice on your company Bulletin Board.

## Hershey Park Candylane and Hershey Bears Hockey Game

Bring the family and join the Susquehanna section for an evening of family fun. Come spend an evening visiting HersheyPark's Christmas Candylane. Then stick around and watch the Hershey Bears take on the Albany River Rats in exciting AHL action.

Admission to Christmas Candylane is free of charge, you just pay as you ride. You can visit the shops and watch entertaining shows, including the Bright Lights, a Holiday Musical Laser light show.

### Directions to the Giant Center, Hershey, PA from:

#### **Allentown, Easton & Bethlehem, PA / Phillipsburg, NJ**

I-78 West to I-81 South. Take exit 80 and follow Route 743 South to Hershey. Parking is just off Route 743. From east or west of York take Route 30 to the intersection with George Street, near the I-83 overpass, and turn south. Follow the above directions to reach the church.

#### **Lancaster**

Route 283 West to Route 743 North. Follow signs for HERSHEY PARK

#### **York**

I-83 North to Harrisburg. Approaching Harrisburg, follow signs to continue on I-83 North. I-83 North to 322 East to Hershey. Take the Hersheypark Drive / Route 39 West exit. Follow Route 39 to GIANT Center. Parking is just off Route 39.

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