



ASME International

Central Iowa Section News

www.asme.org/sections/centraliowa

February 2004

February Continuing Education Seminar "There's More to Linear Regression Than You Suspect"

Friday, February 6, 2004, 1:00 pm
Cardinal Room, Iowa State University Memorial Union

Main Speaker:

C.R. Mischke, Iowa State University
Professor of Mechanical Engineering

4PDH's Awarded to Participants

Schedule of Events:

1:00-5:00 PM Technical Seminar
3:00 PM Break w/ refreshments

Cost: \$75 Payable by Check in Advance or At Door

To View Seminar Abstract and Register, Go To:
www.asme.org/sections/centraliowa

Upcoming April Event Tuesday, April 13, 2004

Cardinal Room, Iowa State University Memorial Union

4:00 PM Continuing Ed Seminar:

*"Classical Analysis Compared to
Finite Element Modeling and Analysis"*

7:00 PM Dinner

*After Dinner Speaker: Don Wandling
"Professional Ethics in Engineering"*

Chairman's Corner:

Happy New Year! What a great year we had in 2003, and what a great year ahead of us in 2004! Will you make a New Year's resolution to attend at least one Central Iowa Section event this year? You will want to mark your 2004 calendars with three events offered in the coming months.

First, enroll early for our February 6 technical seminar, "There's More to Linear Regression Than You Suspect", to be held at the Iowa State Memorial Union. This excellent course will be taught by professor Mischke, and is an opportunity for you to earn professional development hours. Then, on April 13th, we will return to Iowa State for a double-header technical seminar and dinner. The afternoon seminar will be "Classical Analysis Compared to Finite Element Modeling and Analysis", followed by dinner and a presentation on "Professional Ethics in Engineering" by Don Wandling. This will give you two opportunities to earn PDH's in one day. Our final tour/dinner meeting for the 2003-4 year is planned May 4 in Cedar Rapids. Details will be announced in our next newsletter.

For those of you who missed our joint ASME/SAE/SME/ASAE November meeting in Waterloo, it was a great success! Sixty-seven people attended the ASME-sponsored session, featuring speakers Trent Goodnight and Kelly Carpenter. One group of five engineers drove four hours from Peoria to attend. Each of the speakers received a framed print of an Iowa barn, drawn by ISU design student Scott Ephraim.

One of the fringe benefits of being an active member is the opportunity to network with peers in industry. The following is an example of this (names are changed for privacy reasons). During the social hour at our November meeting, I visited with "Jim" who told me that he was looking for a good engineer for his central Iowa company. Just minutes later, I met "Dave" who told me that he was recently laid off, and was seeking a design position in an Iowa firm. I e-mailed Dave's resume to Jim, and within that week they met for an interview... All of this happened because Jim and Dave chose to attend our meeting.

We are currently seeking candidates for the 2004-5 section board. If you would consider serving in any capacity in future section activities – organizing a meeting, serving as an officer, etc., please e-mail me.

Looking forward to seeing you in February!

Steve Ephraim, 2003-4 Section Chair
ephraimstephen@johndeere.com

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Grants Available, First-Come, First-Serve

The Board on Diversity and Outreach's Partners in Mechanical Engineering (Partners) Program provides grants to ASME Sections for innovative projects and activities that support collaboration with local sections or chapters of organizations that support women and underrepresented minority groups in engineering.

Grants are awarded on a first-come, first-served basis and range from \$500 to \$1,000, depending on the size and scope of the activity.

Applications for Partners grants may be submitted throughout the year. For additional information, go to <http://www.asme.org/communities/diversities/bdo/partners.html>

Young Engineer Award: Call for Nominations

Do you know an ASME member that has made great strides in the engineering profession, community and the work of the Society? If so, nominate him/her for the Young Engineers Award.

The ASME member must also have continuous membership since becoming an ASME student member and earned a baccalaureate degree in Mechanical Engineering between the years March 1, 1998 - March 1, 2000.

A \$5000 CASH Grand Prize will be awarded, plus a prepaid life ASME membership. All nominations must be received no later than March 1, 2004.

To learn more about the selection criteria and how to nominate, visit www.asme.org/cma/og/youngengineer.html.

*The Young Engineers Award is sponsored by the Old Guard Committee

YOUR EMAIL ADDRESS - THE KEY TO ASME INTERNATIONAL

Did you know that your email address is the key to what's happening at ASME? By providing us with your current email address, you can learn about events taking place in your local section, such as professional development courses, industry tours, section meetings, lectures, networking opportunities and technical conferences.

Don't miss out on all that ASME has to offer! Be sure to update your member record every time your email address or contact information changes. Update your information securely online at <https://www.asmeny.org/memberaddr/html/security.htm>, or by phone at 1-800-843-2763.

MEMBER GET-A-MEMBER

New Year Resolution To-Do List:

1. Join a Gym (holiday weight gain)
2. **Participate in the ASME Member-Get-A-Member Campaign!**
3. Relax more this Year
4. Sign up for Graduate School

Be sure to include the Member-Get-A-Member Campaign on your New Years' resolution To-Do list! Introduce a friend or colleague and ASME will spend 50% of the new paid members' first year dues on student members' scholarships.

When you recommend two or more paid new members now until June 30, 2004 you will receive a certificate of appreciation signifying your support of the mechanical engineering community.

ASME will contact your colleagues or friends on your behalf, if you provide their contact information (Full Name, Street Address, City, State, and Zip, Phone (day), Email Address) at membership@asme.org.

For complete details and to learn more about how to get started visit <http://www.asme.org/membershipdrive>

ASME'S MEMBER INITIATIVE SYSTEM ON THE WEB

ASME'S Member Initiative System encourages any member or operating unit of ASME to propose improvements to Society policy or procedure or to make any suggestions which would improve the operation or activities of the Society. It's easier than ever to propose improvements and to view proposals submitted by your peers.

To date, there have been 13 proposals submitted, on topics such as "ASME and Iraq Reconstruction" and "Committee on the International System of Units". To view the current year's initiatives, as well as ASME's responses, visit the Member Initiative System web page at <http://www.asme.org/cma/mis.cfm>.

eMentoring

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Access over 300 experienced engineers with backgrounds ranging from Aerospace, Design, Manufacturing and many other areas of expertise to help you with real-world issues.

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Student Activity Calendar

January

Jan. 31 [Gas Turbine Industrial Fellows Program](#) – application deadline

Jan. 31 Final Day – Those who have not renewed their memberships are dropped

February

Feb. 1 [Student Section Advisor Award](#) – Nomination deadline

Feb. 1 [NDE Student Paper Competition](#) – abstract due

Feb. 15 [Arthur L. Williston Award Contest](#) – (Civic Service Paper) manuscript due

Feb. 16 [National Engineers Week](#)

March

March 1 [Charles T. Main](#) nomination deadline

March 15 Deadline for [2004-05 ASME Scholarship application](#)

March 15 ASME Auxiliary Scholarship – application deadline

March 25 [Fluids Engineering Division](#) – Young Engineer Paper Contest – abstract due

2004 ARTHUR L. WILLISTON AWARD CONTEST

THE WILLISTON AWARD IS PRESENTED ANNUALLY BY ASME
TO THE STUDENT ENGINEER OR RECENT GRADUATE WHO AUTHORS THE BEST ACCEPTABLE PAPER
IN THE AREA OF CIVIC SERVICE

TOPIC AREA: The Future Role of Mechanical Engineers in Bioengineering

ASSIGNMENT: The rise in biological applications of engineering has been dramatic, with several of the major biomedical advances of the last decades having a distinctly mechanical engineering base. Indeed some undergraduate engineering programs now include a required course in biology as a first step toward preparing students for careers in which physics and chemistry are not the only basic sciences of importance to engineering applications. Some engineering colleges are forming new departments either in bioengineering, which focuses on the application of engineering principles to the study and control of biological processes, or in biomedical engineering, which applies these processes to improving health and human welfare. A recent study commissioned by ASME entitled "The Convergence of the Life Sciences and Engineering" provides a snapshot of the key forces changing and shaping engineering practice. There is clearly a growing role for mechanical engineers in this shift to engineering that is more biologically centered and the 2004 Williston Paper topic is meant to elicit your views on what this might be.

DEADLINE: Papers must be postmarked by Feb. 15, 2004.

Local Section

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

POSTAGE

ADDRESS SERVICE REQUESTED

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