

The American Society of Mechanical Engineers - CAM Section
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American Society of Mechanical Engineers



CAM NEWSLETTER

Canton - Alliance - Massillon Section
October, 2002 Volume 54, Issue 1

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CAM Section Homepage:

<http://www.uakron.edu/asme/cam.html>



Board or Committee Members

What: October Board of Directors Meeting
When: October 21, 2002 @ 6:00pm
Where: Timken Research – Conference Room R11
(R11 is accessible from the main lobby)

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2002-2003**

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Minorities & Women
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**Newsletter/Public
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Steve Russell
Jason Emperador

Nominating
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**Professional
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Program
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The American Society



of Mechanical Engineers

Canton Alliance Massillon Section News

Volume 54 Issue 1 October, 2002

Message From the Chairman

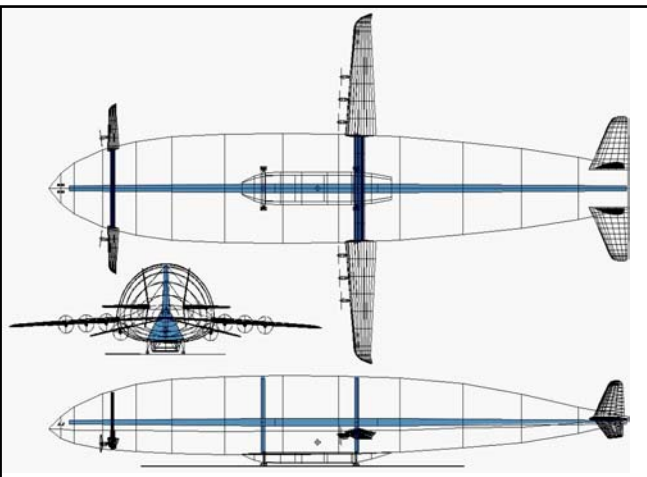
Dear Members,

We have an exciting year ahead and hope that every member of the CAM Section can get involved in our planned activities. Both the officers and Board are scheduling a variety of programs for the coming year that we feel will be of great interest.

The first technical program this year will be on Wednesday, November 6th, when Ohio Airships, Inc. will be giving a presentation on Giant Winged Airships. The setting for this presentation will be the 356th Fighter Group Restaurant. This will be a joint dinner meeting with the Akron ASME section and a good turnout is expected. More information can be found in the insert with this newsletter. Please make your reservations as soon as possible; October 30th is the cut-off date.

We are always looking for new program ideas and I ask our membership to e-mail me with any interesting ideas that they may have. I would also like to personally thank all the CAM section ASME members for their continuing support of the ASME by renewing their memberships. If there is any way that the officers or the Board can be of assistance, please do not hesitate to contact us.

Rick Borowski
CAM Section ASME Chair



Giant Winged AirShips

To learn more about these engineering marvels
see the insert in this newsletter.

Letter from the Editors

CAM Section:

Information on meetings, events, and presentations makes the CAM Section newsletter a great tool for knowing how engineering is affecting our community. As editors, we are always looking for new ideas on how to effectively communicate this information and encourage comments on how we can improve the newsletter.

Sincerely,

Steve Russell
Jason Emperador

2002 ASME INTERNATIONAL MECHANICAL ENGINEERING CONGRESS & EXPOSITION

Nov. 17-22, 2002
New Orleans, Louisiana



Featuring eight extended programs focusing on: Electrical Systems Design, Energy, Engineering Systems Design, Photonics, Nanotechnology, MEMS, Biomedical Technology and Transportation.

Log on to <http://www.asme.org/Congress> to search the program database for sessions, events and papers that best meet your needs.

The value of your membership just increased ...

Take advantage of the **New Discounted Dues Structure**. If you have earned a baccalaureate degree or an advanced degree and have been out of school 4 years or less you can save up to 60% on Member Dues. Checkout the current member dues rates available at

<http://www.asme.org/member/info.html>

Pre-College Mini-Grants

Want money to do a program with teachers or schools?

Sections and Student Sections are eligible for \$500 - \$1500 grants. The Deadline is Nov. 1, 2002. Log onto:

<http://www.asme.org/education/precollege/minigrants/index.htm> for more information and application forms

or contact: Nema Roman at romann@asme.org

Voices of Innovation

A Daily Radio Series That Celebrates the World of Engineering

Have a great story about a product you invented, the process you created or the work that you do? Ever wanted to be a star on radio or television? Want to help educate the public about the value of engineering?

Voices of Innovation is a new public radio program being launched by the American Association of Engineering Societies, with generous support from ASME. It will feature the voices of engineering in two-minute programs that explore and celebrate the world of engineering. The program will profile engineers who talk about their inventions, their work life of their careers. Each one will be a story of its own. The search is on for engineers with a story.

If you or someone you know has an engineering story to tell, submit a story idea form, which is available at www.voicesofinnovation.com. You may also find samples of stories on the website. Help illustrate the passion, excitement, and genius that inspires the men and women who make the technological miracles a part of our everyday lives.

Diversity Action Grants

The Diversity Action Grants program provides funding to ASME Student Sections to sponsor projects designed to increase the participation of women and under-represented minority groups in ASME Student Section activities and in the mechanical engineering community.

Projects should be collaborative partnerships with other minority and women's engineering societies on campus, e.g., NBSE, SHPE, SWE. Examples of activities funded by the Diversity Action Grant Program may be found at

<http://www.asme.org/bmw/DAGsuccessfulprojects.html>.

For more information, as well as a grant application, go to www.asme.org/bmw/dag/html.

Pre-College Mini-Grants

The Pre-College Mini-Grants Program provides funding to ASME Student Sections, as well as to ASME Senior Sections, to conduct projects and programs that support pre-college (K-12) science, math, engineering and technology education.

Projects should be collaborative partnerships with science, mathematics and technology teachers and focus on implementing activities that directly support those disciplines. Examples of activities funded by the Pre-College Mini-Grant Program include the development of engineer-led workshops for teachers to sponsorship of a local "Engineering Day."

For more information, as well as a grant application, log onto: <http://www.asme.org/education/precollege/minigrants>.

Interested in Nominating A Colleague for Fellow?

Recognize a colleague's engineering achievements by nominating a member for the grade of Fellow. An ASME Fellow is one who has attained a membership grade of distinction at the time of advancement. The member shall be a corporate member of the Society, shall have been responsible for significant engineering achievements, and shall have had either not less than 10 years of active practice and 10 years of continuous corporate membership in ASME, or 20 years of active practice and 5 years of continuous corporate membership in ASME. To get additional information on nominating a member to the grade of fellow, log onto <http://www.asme.org/member/fellow/index.html> or call John Beck at 212-591-8463.

PE and FE Review Products from CEI

FE Products

FE to GO- Now you can study wherever you are. The FE to Go exam review goes where you go in your Palm™ PDA. This PDA-based training tests you on 198 multiple choice questions-with answers and explanations. When you have finished it you get a score so you can track your progress.

Revised PE Online Review

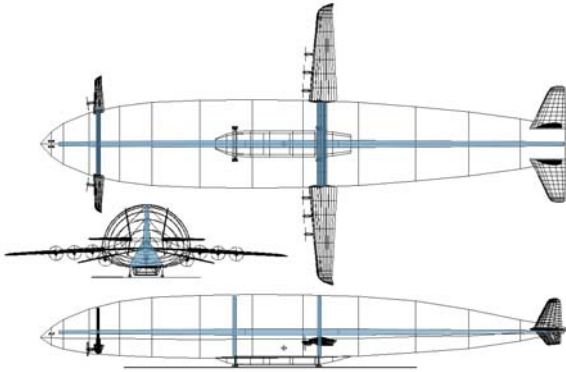
The PE Exam was revised for fall 2001. Our existing PE Exam Review Self-Study has been revised to conform to this new multiple-choice format. Now you can cover the necessary topics and become familiar with the new test format as you review.

PE Exam Review Online Self-Study is an online, instructor-assisted course, which you can access anytime from your PC- review at your own pace and ask the instructor questions as needed.

For information on these and other PE and FE exam prep products and courses, visit our website at: http://www.asme.org/pro_dev/exam_preparation_courses.htm. Or contact Thomas Kuehl, 212-591-8013, (kuehlt@asme.org)

Ohio Airships, Inc. Presentation

[Akron/CAM Sections joint ASME Meeting]



DATE: Wednesday, November 6th, 2002

PLACE: 356th Fighter Group Restaurant
4919 Mt. Pleasant Rd., North Canton
(Just off I-77, Exit 113)

TIME: 5:30 PM Social Hour
6:30 PM Dinner
7:30 PM Program

COSTS: Members and Spouses: \$15
Non-Members & Guests: \$20
Students: \$10

DINNER BUFFET: Salad, top round of beef, lemon pepper chicken, whipped potatoes, rice pilaf, green beans and mushrooms, rolls and butter, iced tea or coffee, and sherbet for dessert. "Cash bar" for alcoholic beverages.

* * *

Ohio Airships, Inc. is in the business of bringing breakthrough aircraft technology to the marketplace. On November 6, Ohio Airships will outline their corporate vision and introduce the Dynalifter hybrid aircraft.

Ohio Airships' long-range vision is to construct multiple trans-oceanic, B2C (and C2C), e-commerce freight pipelines from continent to continent, beginning with one from Ohio to Europe. The company believes that the biggest obstacle facing trans-oceanic, B2C e-commerce is what we refer to as the middle-market gap of shipping. Trans-oceanic jet transport is prohibitively expensive, and surface is too slow (months). This is a case where a large market exists without an industry to meet its demand.

Last year, Ohio Airships was awarded a patent for a revolutionary new freight aircraft; the Dynalifter. The company has hired several of the most reputable aircraft design firms on the planet to study and design the Dynalifter (Conceptual Research Corporation, Analytical Methods, Inc., and Composite Engineering, Inc.). The performance calculations from the conceptual design study reveal ten aviation breakthroughs. Specifically, the numbers indicate that the aircraft is most efficient at transporting high-volume, time-sensitive goods over long distances (trans-oceanic, B2C e-commerce). The study also revealed that the Dynalifter requires very little infrastructure to operate (has short takeoff and landing capabilities), and is relatively inexpensive to produce.

At the November meeting, Ohio Airships will discuss the past, present, and future of the Dynalifter project, and identify ways in which others can become involved.

RESERVATIONS: By Wednesday, October 30th, to Rick Borowski, CAM Section Chair.
e-mail: borowskr@timken.com or call: 330-471-2713 (provide name and phone)