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2003-2004**

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Tom Southards  
Steve Russell

**Committee  
Chairpersons**

**Advisory**  
Rick Borowski

**CJEC**  
Brian Werner  
Chandra Jain

**House/Attendance**  
OPEN

**College Relations &  
Vocational Services**  
OPEN

**Electronic  
Communications**  
Jason Emperador

**Fellowship & Welfare**  
Dave Yakubek

**Finance & Budget**  
Greg Hollinger

**Government Relations/  
Ohio Council**  
OPEN

**History & Heritage**  
OPEN

**Honors & Awards**  
OPEN

**Industry Relations**  
OPEN

**Member Initiative Sys.**  
Rick Borowski

**Member Interest /  
Membership Development**  
Brian Werner

**Minorities & Women**  
Kathy Grant

**Newsletter Editors /  
Public Relations**  
Kathy Grant

**Nominating**  
Bruce Allmon

**Professional  
Development**  
OPEN

**Program**  
OPEN

**Unemployed Members**  
OPEN

The American Society of Mechanical Engineers



# Canton Alliance Massillon Section News

Editor: Kathy Grant

October 2003



## C.A.M. SECTION WEBSITE

<http://www.asme.org/sections/cam/index.html>

### October Dinner Meeting



#### Robotics Presentation

**When:** Tuesday, October 14, 2003  
**Where:** Holiday Inn-Belden Village  
4520 Everhard Rd., North Canton  
**Social Hour:** 6:00 p.m.  
**Dinner:** 7:00 p.m.  
**Presentation:** 7:30 p.m.  
**Menu:** roast beef or baked scrod  
**Cost:** \$10 members and guests  
\$8 students / \$15 non-members

**Contact :**

Kathy Grant or Jason Emperador  
330.714.9361 330.490.5774  
[grantk1@asme.org](mailto:grantk1@asme.org) [Emperaj@diebold.com](mailto:Emperaj@diebold.com)

for reservations and menu selections by  
**October 9.**

**See page 2 for more information.**

### October Career

#### Development Seminar

*Economics of Doing Business:  
Financial Evaluation for Engineers*

**When:** Saturday, October 18, 2003

**Where:** Babcock & Wilcox Cafeteria  
20 S. Van Buren Ave, Barberton

**Sign-in and Registration:** 7:30 a.m.

**Seminar:** 8:00 a.m. – 12:30 p.m.

**Cost:** \$25 pre-paid registration  
\$30 on-site registration

Pre-paid registration must be mailed by  
**October 11.**

**See pages 3-4 for more information,  
or contact:**

Kathy Grant or Jason Emperador  
330.714.9361 330.490.5774  
[grantk1@asme.org](mailto:grantk1@asme.org) [Emperaj@diebold.com](mailto:Emperaj@diebold.com)

#### **Other Upcoming Events**

Nov. 5 – “Flight Simulators”

December – Canton Opera Madrigal Dinner

March 10 - “Commercially Pure Titanium”

### CAM Section Board Meetings

6:00 p.m., Timken Research Conference Room 11  
Tentative Schedule, first Tuesday of each month

October 7, 2003	February 3, 2004
November 4, 2003	March 2, 2004
December 2, 2003	April 6, 2004
January 6, 2004	

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**For  
Inspiration and  
Recognition of  
Science and  
Technology**

**FIRST Robotics Presentation**

The FIRST Robotics Competition is an exciting, multinational competition that teams professionals and young people to solve an engineering design problem in an intense and competitive way. In just six weeks, high school students, professional engineers from leading businesses and universities, and teachers team up to design and build technologically sophisticated robots.



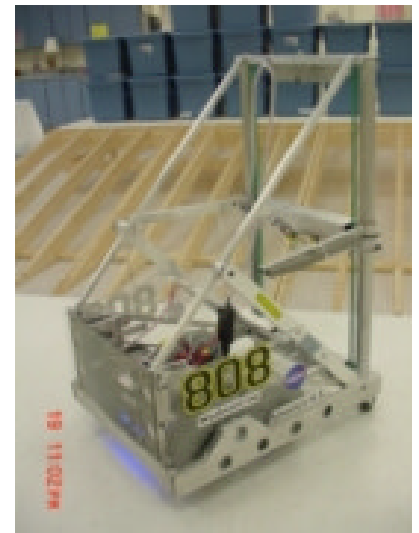
With their robots complete, teams go on to battle for bragging rights against competitors at regional tournaments that have all the excitement, noise, and fanfare of a major athletic championship.

The teams come from Canada, Brazil, Great Britain, and almost every U.S. state. In 2004 the competition will reach more than 20,000 students on over 1000 teams in 27 competitions. The competitions are high-tech spectator sporting events, the result of lots of focused brainstorming, real-world teamwork, dedicated mentoring, project timelines, and deadlines.

The Alliance High School Robotics Club has worked with the FIRST robotics project for two years. The group of about twenty-five faithful members includes students with talents in marketing, public relations, advertising, welding, machining parts, designing. This year they hope to have a video team, as well as a group to publish on the school website.

They are proud of their efforts at the competitions in Cleveland, Ohio and Western Michigan where they placed 7th overall in the 2002 games. In 2003 they did very well with M.A.X., especially in Canada after making major overhauls following the Cleveland competition. It was a wonderful exercise in redesign!

Join us on Tuesday, October 14 to meet the students and their advisers, and to hear first-hand accounts of their adventures with the FIRST robotics project.



**M.A.X.**

## October Career Development Seminar

### *Economics of Doing Business: Financial Evaluation for Engineers*

#### **Course Overview**

This 4-hour course is designed to provide:

- a fundamental understanding of the financial and accounting principles, terms, techniques and practices, and
- the tools necessary to evaluate and financially justify your own projects to corporate management.

You will learn how to read and understand financial statements, balance sheets, income statements, costs and accounting reports.

Topics include how to perform financial analyses by using ratios, profitability, liquidity, leverage, activity ratios, returns on sales, gross margin percentages, and returns on total assets.

The course concludes with the presentation of a simple software model (available with the course materials) to help you perform financial evaluations on your own projects and determine the internal-rate-of-return (IRR), net present value (NPV) and payback.

#### **About the Instructor**

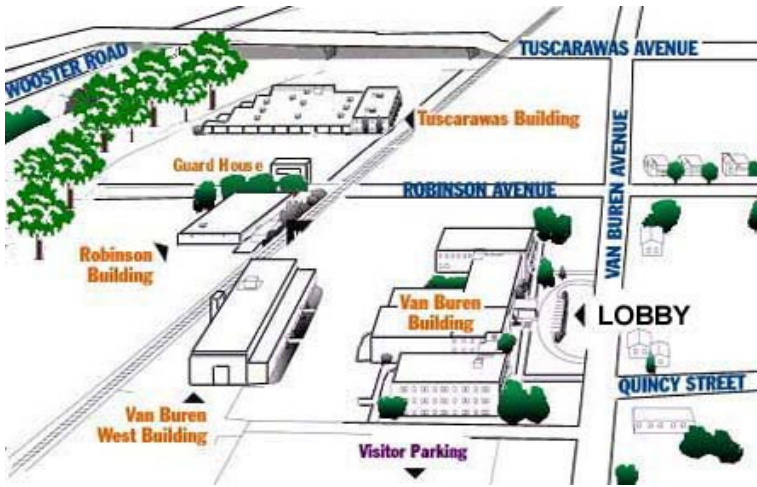
**John B. (Bucky) Kitto, Jr.**, PE is currently Business Development Manager for the Babcock & Wilcox Company out of Barberton Ohio. He received a BS degree in Mechanical Engineering from Lehigh University in 1975 and an MBA from the University of Akron in 1980. After initially working in research, he moved into the business development area in 1980. Since that time he has been actively involved in the acquisition and evolution of new technologies and businesses for the Corporation.

Recent activities include a partnering agreement with a steam generator manufacturer, and the acquisition of a small boiler manufacturer with revenues of about \$100 million/ year. A key element of these activities has been the financial evaluations of hundreds opportunities in order to justify and guide the initiatives which later grew into major profitable business segments.

He is the author of a variety of papers in the area and is the lead author for this ASME education module "Economics of Doing Business: Financial Evaluation for Engineers". He is a Fellow of the ASME and recently completed his three year term on ASME's Board of Governors.

See next page for registration form and directions.

October Career Development Seminar – continued



**Directions to B&W's main offices in Barberton, Ohio.**

Please park in the Visitor Parking area at the south end of the Van Buren building.

Enter the building through the Lobby at the center of the building.

From I-77 north or south:

- Take I-277 North/Route 224 West toward Barberton.
- Take the Wooster Road exit (#17B) toward Barberton. Turn right onto Wooster Rd.
- Go 0.7 miles on Wooster Rd. and turn left on W. State Street.
- At the first street (E. Fifth St.) turn right.
- Take E. Fifth St. (S.R. 619) past the hospital and then turn right onto Robinson Avenue.
- Take Robinson Avenue to Van Buren Avenue and turn left to head south on Van Buren Avenue. B&W will be on your right.

From State Route 619:

- Turn onto Robinson Avenue (right if coming from the north, left if coming from the south)
- Take Robinson Avenue to Van Buren Avenue and turn left to head south on Van Buren Avenue. B&W will be on your right.



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**Registration Form - Economics of Doing Business: Financial Evaluation for Engineers**

<b>Name</b> _____	<b>phone number</b> _____
<b>Address</b> _____	<b>e-mail address</b> _____
_____	<b>amount paid *</b> _____

For pre-paid registration, please mail registration form and check payable to "CAM Section ASME" by **October 11** to:

Kathy Grant  
4408 Forest Hill Rd.  
Stow, OH 44224

**\* (\$25 pre-paid , \$30 on-site)**

2003 ASME International Mechanical  
Engineering Congress and Research  
Development and Design Conference



Don't forget to register for the 2003 ASME International Mechanical Engineering Congress and RD&D Expo!

The 2003 Congress will be held in Washington, D.C. at the Marriott Wardman Park and the Omni Shorham Park hotels.

All technical sessions, registration, publication sales and the RD&D Conference will be held at the Marriott Wardman Park Hotel. All other meetings or events will be held at the Omni hotel. The program overview, registration hours, ticket, travel and hotel information can be found at [www.asmeconferences.org/congress03/](http://www.asmeconferences.org/congress03/)

## Diversity Action Grants Available

Through its Diversity Action Grants (DAG) Program, the Board on Diversity and Outreach (BDO) provides funding for innovative ASME Student Section projects that support diversity and work to increase the participation of under-represented minority groups and women in the student sections and in the mechanical engineering profession.

Grants ranging from \$500 to \$1,500 are awarded on a competitive basis each year. The deadline for submitting applications for the 2003-2004 DAG Program is November 1, 2003.

Additional information may be found at <http://www.asme.org/communities/diversities/bdo/dag.html>

## ASME Section News - Page 5

Young Engineers Forum  
Sunday, Nov. 16, 2003

Effective Presentations and Communication in the  
Workplace.

Join the 23<sup>rd</sup> Young Engineers Forum in Washington D.C.! This special event will deliver four informative presentations and a panel discussion. Don't miss this opportunity to meet our experts and walk away with valuable insights for your career.

**REGISTER TODAY!**

<http://www.asme.org/yef/23/program.html>

**ADVANCE \$25, ON-SITE \$30**

This special event is held in conjunction with the 2003 ASME International Mechanical Engineering Congress and RD&D Expo. (Separate registration is required to attend).

## Come Celebrate 100 Years of Flight!

To commemorate the centennial of the Wright Brothers' first flight 100 years ago, ASME will hold a special Plenary Session at this year's Congress at the Marriott Wardman Park hotel on Sunday, Nov. 16 from 5:45 to 7PM.

The session will feature a panel of aviation industry leaders.

A reception will follow the program, at which time an honorary medal will be presented to the descendants of Orville and Wilbur Wright.

For more information, log on to: [www.asme.org/events/flight/mesupp.shtml](http://www.asme.org/events/flight/mesupp.shtml)



## 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>

### Student Activity Calendar

- Oct. 1 [Rail Transportation Division Scholarship](#)
- Oct. 1 [Renewal](#) deadline for 2003-2004 ASME Student Membership
- Oct. 15 Application deadline for [winter/spring student loans](#)
- Oct. 21 [2003-2004 Graduate Teaching Fellowship](#) - application deadline
- Oct. 24-25 [Fundamentals of Engineering Exam](#)
- \* Attend your [Regional Student Leadership Seminar](#)

### How to Shine in the Interview

*by Marilyn Borysek*

Most job seekers understand the value of doing their homework before an interview, yet few actually take time to investigate their prospective employer. To distinguish yourself from the competition, be well versed on company facts and the business.

#### **Investigate Your Prospective Employer**

Check out the company website, use search agents to research the industry, and contact the company directly for information (try the Communications & Marketing department). If you are a bold job seeker, consider arranging a 10-minute informational interview by phone with a current employee in the department in which you are interested.

#### **Know Company Facts**

Out-shine the competition by going that extra mile and doing your homework – be able to demonstrate company knowledge on the following:

1. Demographics (history, size, culture, etc.)
2. Products & services offered (core strengths)
3. Markets (B-to-B or consumer market and target audience)
4. Competitors (who's the industry leader and why?)
5. Headlines (know if and why the company has been in the news)

For additional career resources and tips, visit the JobCoach located on ASME's Career Center at [www.asme.org/jobs](http://www.asme.org/jobs).

**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 February 15, 2004 or they will be returned.

## **ASME Launches Anti-Spam Service**

ASME is providing a new junk mail filtering service to protect your "@asme.org" forwarding address. We have contracted this service for our members from a top provider of email security services.

We are providing this service to our members in response to the growing problem of unsolicited email messages. It has been reported that as much as 70% of all new email is classified as spam. If you are a member who has an asme.org email alias, then you have already have been activated.

At this time, only addresses with the asme.org domain can be registered for this service. To create your ASME email alias, visit the "Members Only" site at [www.asme.org](http://www.asme.org). Approximately one week after your alias has been established, you will receive your account information and temporary password.

For more information, please contact [junkmail@asme.org](mailto:junkmail@asme.org).