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2006-2007**

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Program
OPEN

Unemployed Members
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The American Society **ASME** of Mechanical Engineers
SETTING THE STANDARD

Canton Alliance Massillon Section News



Editor: Steve Russell

October / November 2006, Rev. 1

ATTENTION CAM SECTION MEMBERS

PLEASE KEEP YOUR E-MAIL ADDRESS CURRENT

The 2006-2007 year is here and we are now all electronic. The Newsletters and other CAM Section information are available On-Line on our CAM Website (listed above). An email will be sent out when new information is uploaded to the website. Please take a moment to verify your e-mail address and keep it current at the "Members Only" tab at <http://www.asme.org>. You will need your member ID for access. A hard copy of any information on the website is available upon request.

OCTOBER PROGRAM

See Details on Page 2

"Intellectual Property"

Date: October 17, 2006
Time: 6:00pm Dinner, 7:15pm Program
Reservation: October 13, 2006 Deadline

We will be joining the Canton Regional Society of Professional Engineers (CRSPE) for the Intellectual Property program given by David Dureska, Esq. of Buckingham, Doolittle, & Burroughs, LLP.

NOVEMBER PROGRAM

See Details on Page 3

"NASA's Vision for Space Exploration"

Date: November 8, 2006
Time: 6:30pm Dinner, 7:30pm Program
Reservation: November 1, 2006 Deadline

We will be joining the Akron section of ASME and others for the Space Exploration program given by Mr. Bryan Palaszewski, Leader of Advanced Fuels, NASA John H. Glenn Research Center

A Note from the Nominating Committee ...

We need your help! Over recent years CAM section has had an increasing problem finding members willing to donate their time and talents to the operation of the Section. This difficulty has shown itself particularly when we approach the time to offer a slate in the new year for the ballot of Officers, Directors and members of the Nominating Committee itself for the following year. We can't believe the problem is due to a lack of willingness or ability amongst the membership, but rather to our own failing in identifying the right people.

Look out for a mailing in the near future that will talk about this issue. But even in the meantime, you don't have to wait to step forward yourself! Feel free to contact a member of the Nominating Committee:

Tony Skipper tony.skipper@timken.com Dick Glasser glasserr@asme.org
Tom Davis davistl@asme.org Dick Knepper richard.knepper@timken.com

Chairman's Corner:

CAM Section:

I encourage you to continue your professional development by attending our monthly section programs. We are trying to choose events that are both interesting engineering topics and that qualify for CPD hours for our Professional Engineers. We continue to sponsor monthly programs for you, the CAM Section. If you wish to be a program speaker and/or have new program ideas, please contact your officers.

Thanks,
Steve Russell

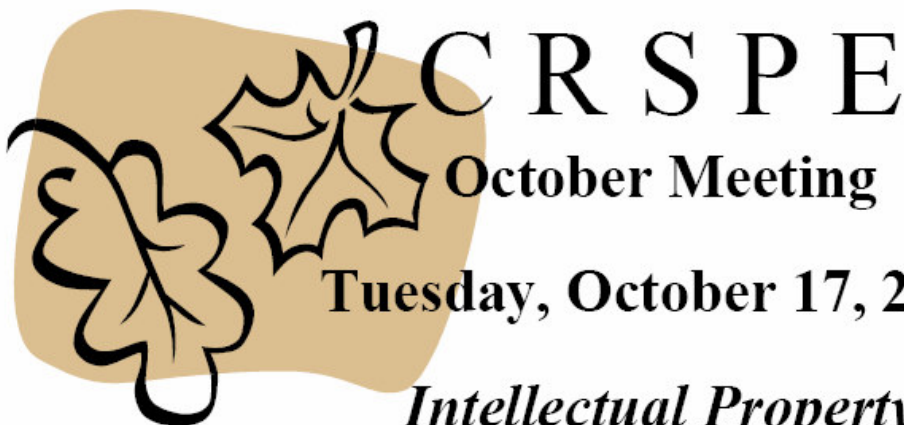
CAM Section Board Meeting

Tuesday, October 10, 2006
6:00 pm
Timken Technology Center – North Canton

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OCTOBER PROGRAM DETAILS



October Meeting

Tuesday, October 17, 2006

*1
CPD Hour
Available*

Intellectual Property

- David P. Dureska, Esq.

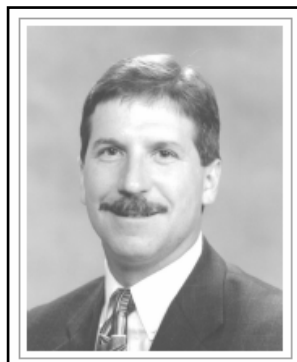
Buckingham, Doolittle & Burroughs, LLP

6:00 Dinner at Papa Bears
4990 Dressler Road
(Order from the menu)

7:15 Program at the offices of
Buckingham, Doolittle & Burroughs,
4518 Fulton Dr., N.W., Canton



Contact Rick Buchanan at (330) 497-8250 or RLBuchanan@neo.rr.com
for reservations by Friday, October 13, 2006



Program Speaker

David Dureska

David Dureska graduated in 1986 from The Ohio State University College of Law. Prior to joining Buckingham, Doolittle, & Burroughs, David was affiliated with the Akron law firm Hudak & Shunk Co., L.P.A. and managed the Canton office. In 1999, he joined Buckingham, Doolittle, & Burroughs, LLP where he is the co-chair of the Intellectual Property Practice Group. David's main focus is patent law and other intellectual property matters. He has given numerous presentations on various intellectual property topics to diverse audiences, including university classes, bar associations and trade organizations. Davis was recognized as one of Ohio's Super Lawyers in 2005 and 2006 Cincinnati Magazine, as voted by his peers. He belongs to many courts and bar associations such as United State Patent and Trademark Office and Stark County Bar Association.

NOVEMBER PROGRAM DETAILS

**Joint AIAA / CAM / Cleveland / Akron ASME Meeting:
NASA's Vision for Space Exploration (VSE)**

Wednesday, November 8, 2006

5:30 PM Social hour, 6:30 PM Dinner, 7:30 PM Program

Spaghetti Warehouse, 510 South Main Street, Akron, OH

Menu:

The Wednesday night special is Spaghetti & Meat Sauce, Spaghetti & Tomato Sauce, or Spaghetti & Marinara, each with crisp house salad, freshly baked sourdough bread, and choice of soft drink, for \$4.99 plus tax and tip. Or, order their White Package (Spaghetti with Meatballs, Incredible 15-Layer Lasagna, Four Cheese Manicotti, or Fettuccini Alfredo, each with Grilled Chicken Caesar Salad) for \$13, or Green Package (Spaghetti Feast, Chicken Alfredo, Chicken Parmigiana, or Lasagna Platter) for \$15. Each of the entrée selections within the White and Green Packages includes tax and tip, crisp house salad, freshly baked sourdough bread, and choice of soft drink. Each person is to pay individually at the restaurant, but the menu selection (Wednesday special, White, or Green), and choice of entrée within that selection, needs to be made when the reservation is made.

Reservations:

Deadline: November 1, 2006. Reservations can be made at either akronasme@mail.com or 330/864-7555, stating names of all attendees, your dinner selection(s), and contact info to let us get back to you to confirm.

Speaker:

Mr. Bryan Palaszewski, Leader of Advanced Fuels, NASA John H. Glenn Research Center, Lewis Field, Cleveland, Ohio.

Mr. Palaszewski will discuss the President's Vision, the space vehicles required, and selection process for the elements of the new Vision for Space Exploration.

Abstract:

Excerpted from http://www.nasa.gov/pdf/55583main_vision_space_exploration2.pdf

From the Apollo landings on the Moon, to robotic surveys of the Sun and the planets, to the compelling images captured by advanced space telescopes, U.S. achievements in space have revolutionized humanity's view of the universe and have inspired Americans and people around the world. These achievements also have led to the development of technologies that have widespread applications to address problems on Earth. As the world enters the second century of powered flight, it is time to articulate a new vision that will define and guide U.S. space exploration activities for the next several decades.

Today, humanity has the potential to seek answers to the most fundamental questions posed about the existence of life beyond Earth. Telescopes have found planets around other stars. Robotic probes have identified potential resources on the Moon, and evidence of water -- a key ingredient for life -- has been found on Mars and the moons of Jupiter.

Direct human experience in space has fundamentally altered our perspective of humanity and our place in the universe. Humans have the ability to respond to the unexpected developments inherent in space travel and possess unique skills that enhance discoveries. Just as Mercury, Gemini, and Apollo challenged a generation of Americans, a renewed U.S. space exploration program with a significant human component can inspire us -- and our youth -- to greater achievements on Earth and in space. The loss of Space Shuttles *Challenger* and *Columbia* and their crews are a stark reminder of the inherent risks of space flight and the severity of the challenges posed by space exploration. In preparation for future human exploration, we must advance our ability to live and work safely in space and, at the same time, develop the technologies to extend humanity's reach to the Moon, Mars, and beyond. The new technologies required for further space exploration also will improve the Nation's other space activities and may provide applications that could be used to address problems on Earth.

ASME To Hold Conference on Water Quality in Las Vegas



ASME's Environmental Engineering Division will sponsor the 1st Water Quality, Drought, Human Health and Engineering Conference, Oct. 18-20, 2006, in Las Vegas, Nev.

The forum will address advances in water quality technology and provide solutions-based discussion and information exchange regarding activities and plans for improving the quantity and quality of water, the impact on human health and engineering and current policies from state and federal agencies.

For additional information or to register, visit <http://www.asmeconferences.org/water06/>

Applicants Needed: ECLIPSE

Applications for the **Early Career Leadership Internship Program Serving Engineering** are due by Dec. 1 for internships beginning at the 2007 Summer Annual Meeting. Women, non-traditional engineers and engineers in the workforce between three and 10 years are encouraged to apply.

For additional information and an application, go to http://www.asme.org/Governance/Volunteer/Early_Career_Leadership.cfm. ASME staff contact: Mary James Legatski, legatskim@asme.org

Plan to attend "Strategic Diversity: Envisioning the Future of Engineering" at the upcoming 2006 Congress in Chicago!

This workshop, sponsored by the Center for Leadership & Diversity, will engage participants of different backgrounds, experiences, ages, gender and ethnicity, in an exercise of forward outlook into a successful future state of the Engineering Profession. The desired outcome of the workshop is the collective wisdom (Voice-of-the-Customer) of a diversely representative group of ASME members that provide a common vision and a common language to enhance the strategic direction of ASME. All Congress attendees are welcome to participate. There is no cost to attend. For additional information, contact Mary James Legatski at legatskim@asme.org.

ASME-ITI AIDS IN FIGHT AGAINST TERRORISM



The ASME Innovative Technologies Institute, LLC (ASME-ITI), has announced the commencement of a \$5 million contract with the U.S. Department of Homeland Security (DHS) for continued work using its risk analysis methodology known as RAMCAP (Risk Analysis and Management for Critical Asset Protection).

Created and developed by ASME-ITI and adopted by DHS, RAMCAP is a framework for analyzing and managing the risks associated with terrorist attacks against critical infrastructures. The purpose of RAMCAP is to provide essential information to government decision makers about consequences and vulnerabilities in the private sector, which owns 85 percent of the nation's critical infrastructure. RAMCAP is unique in that it facilitates the comparison of risks within a sector and across multiple sectors by employing a common terminology and standardized measurement metrics. The process is then tailored to specific aspects of various sectors of the critical infrastructure in documents called Sector-Specific Guidance documents (SSGs) that enable companies to identify and report on the vulnerabilities and potential consequences of terrorism by providing guidance on how to complete both preliminary and in-depth assessments. For more information about the ASME-ITI visit <http://www.asme-iti.org/about/us.cfm>

Call for Nominations:

Committee On Ethical Standards

ASME is currently accepting nominations to fill a vacant position on the Committee on Ethical Standards and Review, for a four-year term, beginning in 2007. The requirements include a minimum of ten years dedicated service to ASME including five years experience in activities beyond the local section, a commitment to upholding ethics in engineering practice, and licensure as a professional engineer. Forward nominations to David Soukup, Managing Director, Centers, at soukupd@asme.org

2007 Johnson & Johnson Consumer Companies, Inc. Medal



The Johnson & Johnson Award, first presented in 2005, recognizes outstanding contribution to the promotion of diversity and inclusiveness within the engineering community. This award is open to ASME members and individuals who are members of a recognized/engineering or professional society.

The deadline for all nominations is Feb. 1, 2007. For additional information and forms, visit http://www.asme.org/Governance/Honors/SocietyAwards/Johnson_Johnson_Consumer.cfm, or contact ASME staff contact: Mary James Legatski, legatskim@asme.org

Diversity Action Grants Now Available!

Encourage your local ASME student section to apply for a Diversity Action Grant by the Nov. 1 deadline! This program enables ASME Student Sections to sponsor events which:

- Promote the inclusion of women and under-represented minorities in ASME Student Sections and in mechanical engineering,
- Inspire K-12 students to excel in science, technology, engineering and mathematics (STEM) education and/or,
- Assist minority - and/or women-owned businesses solve engineering design problems.

For more information, visit: http://www.asme.org/Communities/Diversity/Diversity_Action_Grant.cfm or contact Mary James Legatski at legatskim@asme.org

Early Career Forum & Career Fair

A two-day career enhancement and networking program for early-career engineers
Nov. 5–6, 2006 Chicago Hilton, Chicago, Ill.

Join other early career engineers at the Early Career Forum & Career Fair, held in conjunction with the 2006 ASME International Mechanical Engineering Congress & Exposition. The Forum will give you first hand advice and information on issues relevant to your career. Senior-level engineering students will also benefit from this important event, featuring top industry pros presenting key trends, opportunities, and expectations in the field.

Featuring:

- Joseph A. Ahearn, Senior Vice President, **CH2M HILL** (*Engineering Services*)
- Todd Allen, Manager, **Johnson & Johnson** (*Pharmaceuticals*)
- Jeff Dinski, BSME, Formerly a Writer/Producer with **NBC, ESPN, MSNBC** (*MBA Graduate Student at Harvard Business School*)
- Larry Dickinson, Ph.D., Founding Principal, **3F, LLC** (*Textiles and Composites*)
- Laura Wojcik, Ph.D., P.E., Senior Director, **Packer Engineering** (*Biomedical*)
- Julie Maupin, Engineer, **Gas Technology Institute**

And meet representatives from

- Toyota
- UOP (a Honeywell Company)
- National Council of Examiners for Engineering and Surveying (NCEES)
- Grogan Advisory Services
- and others...

Participate in the one-day program (advance fee: \$25 or onsite fee: \$30), or get even more valuable insights when you include a second day of special ASME conference sessions (advance fee: \$150/\$200 or onsite fee: \$175/\$225 – member/nonmember rates). For more information, click: http://www.asme.org/Communities/EarlyCareer/Forum/Upcoming_Events.cfm

REGISTER by Nov. 1, 2006 and Win \$200!

When you register by Nov. 1, 2006 you will be entered into a drawing to win a \$200 American Express gift card. The gift card will be announced and awarded at the Early Career Forum on Sunday, November 5, 2006. The winner must be present to win.

Register now:
www.asmeconferences.org/congress06/confregistration.cfm

HOW I BECAME A MECHANICAL ENGINEER



Darrell W. Pepper, Ph.D, professor and director of the Department of Mechanical Engineering at the University of Nevada, Las Vegas remembers his first introduction to ASME in 1964 when he was a high school senior: "We had taken our senior trip to New York and the World's Fair in May. I recall going to Tad's Steakhouse in Times Square (when steaks were \$1.99) and sitting next to a mechanical engineer attending an ASME meeting in New York. My friends and I became entranced as we listened to him tell us about the breath and depth of mechanical engineering and the myriad activities of its professional society.

Upon graduation from high school, all of us enrolled as mechanical engineering students in the fall in our selected universities. We still feel that it was the best decision and career choice we ever made. Over the years, I have been involved in numerous activities ranging from chasing tornadoes (for the U.S. Dept. of Energy and Nuclear Regulatory Commission), dealing with hazardous releases into the atmosphere, to developing CFD algorithms for the national aerospace plane program and scramjet propulsion. Other diverse efforts have included working on nuclear waste problems for the Yucca Mountain Repository, groundwater transport of plutonium and tritium from the Nevada Test Site, solar powered airplanes and thin solar panels, giant Frisbees (world's largest), and wind energy modeling for the western United States. In 2004 I spent a year as an ASME Congressional Fellow in the office of U.S. Senator Dianne Feinstein (D-Calif.), and became involved with water and contaminant issues while serving as her science and engineering advisor. Having been a member of ASME for many years, I have watched the organization evolve into a major internationally recognized and respected society. When ASME speaks, people listen — this is especially true on the "Hill," the U.S. House and Senate.

Recently ASME has begun to make serious inroads into such fields as nanotechnology, renewable energy, and transportation, to name just a few. ASME has enabled me to explore these new areas and become acquainted with world experts — the workshops and technical conferences sponsored by ASME have been, and continue to be, outstanding. Read Dr. Pepper's complete story on ASME Connections <http://www.asme.org/About/Connections/>

"Tips for Tenure and Promotion: A Symposium for New and Prospective Faculty" – Free Event!

Session 1: Expectations of New Faculty for Promotion and Tenure
Session 2: Panel on Scholarship, Teaching and Service
Session 3: Hints for Successful Proposal and Funding Opportunities

When: Tuesday, Nov. 7, 2006

Where: ASME Congress (IMECE), Chicago, IL

Audience: New and prospective faculty, including graduate students thinking about a career in academia.

Cost: Free to anyone registered for the ASME Congress. However, you must register separately for this event to secure your seat.

http://www.asme.org/Education/College/Faculty/Tips_Tenure_Promotion.cfm

Organized by
Joseph J. Rencis, University of Arkansas
Mohammad N. Noori, Cal Poly San Luis Obispo

Call For Applications – ASME/ABET

Have an interest in undergraduate education? If so, we need your help! We are currently seeking for new ASME/ABET Program Evaluators.

Role of a Program Evaluator

Contribute to the continuous improvement of mechanical engineering, mechanical engineering technology, or related degree programs by evaluating them against a set of criteria. These criteria outline the requirements for faculty, facilities, curriculum, and other key program areas. In doing so, Program Evaluators help to assure the quality and vitality of Mechanical Engineering and Mechanical Engineering Technology degree programs. It's a lot of work, but it's also very professionally and personally rewarding.

Minimum Qualifications:

- Demonstrates interest in improving education.
- Demonstrates desired competencies outlined in ABET's Competency Model.
- At least one degree in mechanical engineering, mechanical engineering technology, or a closely related discipline. Graduate degree preferred.
- 10+ years of work experience. Management experience a plus.
- ASME member or willingness to become a member prior to applying to serve as an evaluator.

How to Apply

Applications are due by **Oct. 15**. To obtain an application and for more information, please visit http://www.asme.org/Education/College/ABET/Become_Evaluator.cfm Minorities, women, and engineers working in industry are especially encouraged to apply.

For more information, contact Amy Bentow, manager, Education at bentowa@asme.org or 212-591-7880.

ASME E-Library Expands to 75 Titles – Free to members!

In early Sept. 2006, ASME members gain access to 75 interactive, user-friendly references available on the newly expanded ASME e-Library powered by Knovel. To take advantage, members simply access ASME.org and log onto the members-only page. Members pay no charges for access.

Selecting from a large, diverse collection that includes *Mark's Standard Handbook for Mechanical Engineers*, *Handbook of Materials Selection*, *Mechanical Engineer's Reference Book*, *Structural and Stress Analysis*, *Pipeline Rules of Thumb*, *Mechanics of Materials*, and *the Manufacturing Engineer's Reference Book*, members enjoy additional benefits unavailable from printed references. Using embedded analysis software, they quickly locate data, analyze it, and export the results. For a complete listing of available titles, visit the e-library pages in Members only.

For the initial session on the expanded ASME e-Library, each individual can log onto the member-only page and register. For future sessions, the individual can simply log onto the members-only page and click on an icon, which opens the collection for use.

ASME Low Interest Student Loans

The ASME Winter/Spring 2006 Student Loan Application is now available online. The application postmark deadline is **Oct. 15, 2006**. Don't miss out on this opportunity, the loan rate is only 4.3%. Applicants must:

- Be ASME Student Members in good standing
- Be enrolled in full-time academic studies in the **U.S., Canada or Mexico** and making satisfactory progress in his or her degree program in Mechanical Engineering, Mechanical Engineering Technology or closely related program
- Have a minimum GPA of:
 - 2.20 on a 0 to 4.00 scale for undergraduate students; 3.20 on a 0 to 4.00 scale graduate student; Have a demonstrated financial need.

For details and an application form, visit: http://www.asme.org/Education/FinancialAid/Loans/Student_Loan_Funds.cfm.