



First Quarter 2008 Meeting

Air Quality Control Systems: Wet Scrubbers

January 18, 2008

ASME members will have the opportunity to learn about Wet Flue Gas Desulfurization (FGD) technology and see the early stages of construction of a large scale, 4 Unit Wet FGD project at Alabama Power's Plant Miller, just north of Birmingham.

Steve Owen, Project Manager for the Miller FGD Project, will speak to our group on January 18 about the new environmental controls. The Miller FGD project adds a scrubber to each of Plant Miller's generating units. **Total cost for the project is over \$900 million with a construction duration of four years, employing around 1000 workers at its peak.** The project will reduce sulfur dioxide, mercury and fine particulate emissions through the use of spray tower wet scrubbers and will assist in providing improved air quality for Jefferson County and surrounding areas.

If you would like to join us, please email Thomas Saunders (tbsaunders@gmail.com) to help us obtain an accurate headcount. Lunch will be provided to members at a cost of \$5. Lunch will be served at 11:00 with the program starting at 11:30. Directions will be provided in a followup reminder email closer to the tour date.

INSIDE THIS ISSUE

- 1 **Birmingham Section News**
- 2 **Barlow is ASME's President-Elect**
- 3 **2008-09 Government Fellowships**
- 3 **Engineering Income & Salary Survey**
- 4 **Early Career Grant Funding Available!**
- 4 **2007 Gas Turbine Users Symposium**

Congratulations!

Our section had several members this year reach milestones of 25 Years, 50 Years, and lifetime membership with ASME!

Congratulations from the whole section.

25 Years of Membership

Stephen W. Ashworth
Bryan Baldwin
Bruce S. Bevers
Stephen E. Henderson
William C. Kendall
Robert P. Kiser
Thomas O. McCallum
Gary M. Nuyt
Richard W. Rowell
John N. Sorge
Steve M. Wilson

50 Years of Membership

Gordon L. Flynn
Frank C. Jones
William D. Jordan
Leonard G. Suelter
James D. Thornburgh
Frank V. Miholits

Lifetime Membership

Joe C. Peyton
Theodore F. Randolph
Charles H. Goodman
James W. Warren
Richard L. Forsberg

Tour Suggestions

If you would like to tour a facility as a curious engineer, but are not sure how to approach the company, get in contact with Greg Barnett (gpbarnet@southernco.com) and we can set up the tour through ASME. We are always looking for new suggestions for facilities to tour.

ASME MEMBERS SUBMIT QUESTIONS TO THE CNN-YOUTUBE PRESIDENTIAL DEBATE

At an ASME Government Relations sponsored booth at the Early Career Fair during the International Mechanical Engineering Congress and Exposition (IMECE) in Seattle, Washington, staff assisted ASME members with formulating questions for the CNN-YouTube Republican Presidential debate, which was held on Nov. 28.

ASME Past President Harry Armen and current ASME Board of Governor Marc Goldsmith were among several members who recorded videos during the Early Career Fair. Questions ranged from lawmakers' thoughts on increasing fuel efficiency standards, to maintaining American competitiveness and furthering innovation. This idea initially came to fruition after 2007 ASME WISE intern Chris Deal submitted a question regarding climate change for the debate this summer. The questions submitted will help foster a sustained dialogue on issues that are pertinent not only to our nation but to mechanical engineers and other engineering disciplines during the race to elect the next President of the United States.

To view these videos, please visit the ASME Government Relations web site at:
<http://www.asme.org/NewsPublicPolicy/GovRelations/>

The ASME Volunteer Opportunities Bulletin Board

(VOBB) is a tool designed to help volunteer leaders promote local Section and Society-wide volunteer positions. It is also used to help link volunteers with opportunities for involvement in all areas of the society. Opportunities for involvement include standards development, pre-college outreach and educational activities, government relations, and the development of new products, programs and more.

Volunteer leaders are encouraged to use the VOBB as a recruitment tool. If your ASME group is looking for a few good volunteers to share their passion and make meaningful contributions, contact Deidra Hackley at hackleyd@asme.org or visit http://volunteer.asme.org/vobb/Post_Volunteer_Opportunity.cfm. For more information on posting or applying for a position on the VOBB visit <http://volunteer.asme.org/> or e-mail bookert@asme.org.

Thomas M. Barlow Becomes ASME's President-Elect



During proceeding of the 2007 Congress in Seattle, Thomas M. Barlow was announced as president-elect of ASME. Mr. Barlow will become the 127th president of ASME when he begins his one-year term in June 2008.

A longtime member of ASME, Mr. Barlow has participated on numerous technical, regional and Society-wide committees and boards and has demonstrated a strong record of support and leadership in student outreach, membership development, technology and engineering diversity. He is a Fellow of ASME and former member of the ASME Board of Governors, serving from 2003 to 2006. Mr. Barlow enjoyed a 40-year career at Lawrence Livermore National Laboratory, serving in a number of management and leadership positions before retiring in 2000. His professional interests include instrumentation, energy storage systems and machine tool technology, as well as project and program management. Mr. Barlow has been a member of the Society of Manufacturing Engineers, American Society for Engineering Management, and has served on the Engineering and Computer Science Research Advisory Council at the California State University at Fresno. He is currently a member of the External Advisory Board of the Mechanical and Materials Engineering Department at Washington State University, a member of the Tau Beta Pi, Sigma Tau and Phi Eta Sigma honor societies, and is the recipient of the ASME Dedicated Service Award and the Society's Membership Development Award. Mr. Barlow attended Washington State University and received a B.S. degree in mechanical engineering. He received his M.B.A. degree from Golden Gate University.

ASME ACCEPTING APPLICATIONS FOR 2008-09 FEDERAL GOVERNMENT FELLOWSHIPS

ASME is currently accepting applications for the following Federal Government Fellowship positions:

Congressional Fellowships

ASME is accepting applications from qualified candidates interested in serving as a 2008-09 Congressional Fellow. The Federal Fellows program enables selected ASME members to spend one year in Washington, D.C. working with the staff of a congressional committee, U.S. senator or U.S. Representative. Federal Government Fellowships provide a valuable public service to the nation while providing engineers with a unique opportunity to participate directly in the policy making process. Congressional Fellows may serve from September 2008 through August 2009 - or January 2009 through December 2009 - at their option. The deadline to submit an application for the Congressional Fellowship is April 1, 2008.

Department of Commerce Fellowship

ASME is also accepting applications from qualified candidates interested in serving a year at the U.S. Department of Commerce in the Manufacturing and Services (MAS) Office of Standards Liaison (OSL). The Fellow will work with U.S. stakeholders involved in the standardization process, including individual companies, industry associations, standards developing organizations, and the American National Standards Institute on trade-related standards issues affecting U.S. competitiveness, innovation and growth. OSL works on issues involving all sectors and in all overseas markets, although there is a greater focus on emerging and technology-related sectors and critical markets such as Europe and China. Applicants for this position must have strong technical, interpersonal, organizational, and oral and written communication skills, as well as substantive knowledge or experience in an industry sector and the standardization process. The start date for the DOC fellowship is flexible.

A stipend of \$55,000 will be awarded to each Fellow for the year. All Fellowship applicants must be a U.S. citizen and an ASME member at the time of application. The following credentials are encouraged: At least five years of professional experience, an advanced engineering degree, professional engineer registration, and some public policy experience. An online application is available at <https://secure.asme.org/fedgovfellows/appform.cfm>

For additional information about the Federal Fellows program, visit http://www.asme.org/NewsPublicPolicy/GovRelations/Programs/Federal_Government.cfm or contact Kathryn Holmes, director, ASME Government Relations, at holmesk@asme.org or 202/785-7390.

Leadership Training Conference 2008: Call for Early Career Delegates

Early Career Engineers interested in volunteering for the engineering profession will be selected as a Delegate to attend the 2008 Leadership Training Conference in Atlanta Ga., March 6-8, 2008. Visit www.asme.org/Communities/EarlyCareer/Leadership_Training.cfm for complete details.

The Engineering Income & Salary Survey

For the first time, ASME will be offering a comprehensive online salary survey, updated daily, as a new feature of our career center. The survey will cover all compensation, including bonuses and benefits. It is administered by enetrix, in Madison, Wis. and is produced in partnership with ASME, the American Society of Civil Engineers (ASCE), and the National Society of Professional Engineers (NSPE).

In order to get more data to launch this new benefit for mechanical engineers, we are asking you to participate by taking the survey. As a thank you for participating, you can download a brief complimentary salary report from the survey right away. And you may check back for free updates on that report as we get more data from other members.

Members will also receive special discounts on more detailed live custom reports when those are available. Custom reports are searchable by length of experience, level of education and professional responsibility, major branch of engineering, industry, zip and more. For more information and to take the survey, please go to https://asme.enetrix.com/pls/flexp/survey_frontend.homepage.

SUMMER OPPORTUNITIES IN WASHINGTON, D.C. FOR FACULTY, STUDENTS



An outstanding individual capable of teaching and mentoring engineering students on the interaction between engineering, technology, and public policy is sought to serve as the Faculty Member-in-Residence (FMR) for the 2008 Washington Internships for Students of Engineering (WISE) Program.

And where would the FMR be without students? The WISE program offers a unique opportunity to 3rd and 4th year engineering students to spend nine weeks during the summer of 2008 in Washington, D.C. Recent graduates, who are beginning their studies in an engineering policy-related Master's program, will also be considered. During their time in Washington, WISE interns will learn how government officials make decisions on complex technological issues and how engineers can contribute to legislative and regulatory public policy decisions.

The deadline for 2008 ASME WISE intern applications is **Dec. 31, 2007**, while the FMR applications will be accepted until **March 1, 2008**. The ASME WISE intern will receive a stipend and housing for the summer, while the FMR receives an ample stipend.

For more information on either of these opportunities, please visit the WISE Program web site at: <http://www.wise-intern.org/application/index.html>, or you may contact Melissa Carl, ASME Government Relations Representative, at carlm@asme.org.

Early Career Grant Funding Available

Submit an application **today** to receive additional funding for your district held Early Career Technical Conference and/or Early Career Forum for your units or sectors. Complete details for both grants can be found at

<http://www.asme.org/Communities/EarlyCareer/>.

The deadline for applications is **April 15, 2008**.

Contact: Cheryl Hasan hasanc@asme.org for more information.

Accepting Nominations for the 2008 Old Guard Early Career Engineer Award

Recognize an outstanding early career engineer who is actively involved in the engineering profession, their communities, and the work of ASME. Submit Nominations Today! Visit

<http://files.asme.org/asmeorg/Communities/EarlyCareer/8026.pdf> for more details. **Apply by the Feb. 1, 2008 deadline.**

Early Career Engineer Essay Competition

The Old Guard Committee of ASME invites you to participate in an Early Career Engineer Essay Competition. For more information, visit:

http://www.asme.org/Communities/EarlyCareer/Old_Guard_Early_Career.cfm

ASME IGTI to hold 2007 Gas Turbine Users Symposium in New Orleans

The International Gas Turbine Institute of ASME will conduct the 2007 GTUS, Dec. 11-13, at the Ernest N. Morial Convention Center in New Orleans. The symposium provides a forum for end-users to exchange ideas and share best practices regarding the operation and maintenance of industrial gas turbines and aero-engines. GTUS will co-locate with the 2007 Power-Gen International conference at the Ernest N. Morial Convention Center. GTUS registrants will receive access to all sessions in the 3-day symposium, as well as admission to Power-Gen and a complimentary copy of the conference proceedings on compact disk. GTUS will deliver practical information and provide an opportunity for engineers and other technical professionals to learn about solutions to problems shared in the global gas turbine industry. For more information or to register visit the web site at <http://www.asmeconferences.org/gtus07/>



Made a Difference in Engineering Education?

Do you know an individual or entity (e.g. company, organization, institution, etc.) that has contributed to engineering education in a significant way? If so, consider nominating them for one of the following society awards:

The **Frank von Flue Award**, established in 2002, recognizes significant contributions by an individual or a group to the promotion of lifelong learning for mechanical engineers. Lifelong learning is defined as the continued process of education and/or professional development, following a post-secondary education degree, to maintain the competence and flexibility of mechanical engineers throughout their career. Contributions may include assessment, development, distribution or promotion of materials for lifelong learning via appropriate mechanisms, such as professional development or university extension courses and programmed or self-paced learning.

The **Ben C. Sparks Medal**, established in 1990, is presented annually to a mechanical engineer for recognition of eminent service to mechanical engineering technology education through contributions toward ASME; towards higher education professional service; and towards the teaching and/or research faculty roles in mechanical engineering and mechanical engineering technology. Candidates must have a record of outstanding performance in all of three areas: a broad range of contributions to ASME; dedicated efforts and a record of achievements in the advancement of engineering education and engineering technology education; and contributions, over an extended period of time, to the positive support, recognition, or interaction of mechanical engineering technology and mechanical engineering programs, their faculties, or students.

The deadline for submitting nominations is Jan. 1, 2008. For more information and a nomination package, please visit:

<http://www.asme.org/Governance/Honors/SocietyAwards/>