

Honors and Awards Banquet

Where: Edison Club - Rexford, NY

Topic: Jurassic Gas Turbine is Brought Back to Life!

When: Thursday, May 20, 2004
Reception 6 PM
Dinner 7 PM
Awards and Lecture 8 PM

To reserve your seat, contact Fred Willett
(willettf1@asme.org or (518) 347-0271) by 6 PM
Wednesday, May 19th

Jurassic Gas Turbine is Brought Back to Life

About the Topic: An old Dresser-Clark gas turbine initially installed at a Navy facility in the mid 1950's just keeps producing electric power for its present owner. Like the "energizer bunny" it keeps going and going and going. Its first home was at a Navy test facility until the early 1980's. Then it was sold to a small utility in northern Wisconsin where it has been used as a peak shaver for the utility. In the late 1990's it suffered some blade damage and also a failed expansion joint. The blades were repaired; however, the expansion joint around the exterior casing is a 360 degree piece. Its replacement would require a complete disassembly of the engine. The owner could not justify the expense and was planning to scrap the engine until an alternate solution was presented. An analysis was done to show that an expansion joint was not needed at that casing location if pre-tensioning of other joints were done. Then the solution was to weld a metal band over the joint. This was done for very little cost and the engine was returned to peaking service in late 2002. It continues to perform as it did before the joint failure.

About the Speaker:

Rodger Anderson is Manager, Gas Turbine Business Development at DRS Power Technology Incorporated. Rodger holds both a Bachelor of Science and Master of Science degrees in Mechanical Engineering from the University of Minnesota. Rodger came to DRS-PTI with 6 years of experience as Hartford Steam Boiler's (HSB) gas turbine manager. He has provided expert witness statements and court room testimony for claims litigation.

Prior to joining HSB he had 29 years of experience from GE Power Systems where he worked extensively in the turbine blade and rotor design and development of heavy duty gas turbine engines as well as the design of total power plants and installation, marketing and servicing of these products.

He holds six United States Patents on gas turbine technology and has additional patents pending. He has authored and presented papers at numerous conferences around the world. Rodger's professional affiliations include ASME and he is a licensed professional engineer in the State of New York.

Honorees:

Section members elected to fellow grade during the 2003-2004 year:

Pradeep K. Gupta
Martin L. Pollack
Achille Messac
Kevin C. Craig
Craig J. Saltiel

50 Year Members: Betty Lou Bailey, David E. Bain, Richard C. Elwell, Robert J. Fritz, Norman J. Lipstein, Ralph B. McClintock

25 Year Members: Michael J. Badera, Stephen H. Black, Donald D. Colosimo, Konstantin S. Deligiannis, Jeffrey D. English, Hooshang Heshmat, Jerry K. Jaqueway, Myer P. Kutz, Sang W. Lee, John A. Martin, Donald L. Melsheimer, Michael E. Montgomery, L. Keith O'neal, John G. Roberts, Krishna P. Sarathy, Robert E. Sundell, Joseph F. Vazquez, Colin Wilkes, Howard R. Wright, Richard A. Zutterling

In addition, we will announce the winners of three student awards: the Sayre Prize (Union College), the Davies Award (RPI), and the Scheper Scholarship (Hudson Valley Community College)

Dinner Choices:

The reception includes an elaborate display of crudite vegetables with assorted dips, assorted domestic cheeses & crackers, bruschetta & French bread, and fresh fruits. Beverages may be purchased from a cash bar.

Dinner is buffet-style and features:

- Pasta Primavera
- Chicken Piccata
- Stuffed Filet of Sole
- Roast Sirloin of Beef

and includes Tossed or Caesar Salad, Fresh Bread Basket, Garlic Smashed Potatoes, Fresh Vegetable Medley, Strawberry Shortcake, and Coffee or Tea.

Cost: Cost for the dinner is

\$20 for ASME members (and their guests)

\$25 for non-members

\$15 for Students

Reservations: Number of people and dinner selection to: Fred Willett (willett1@asme.org or (518) 347-0271) by 6 PM Wednesday May 19th. Checks payable to ASME and cash will be accepted at the door.

Directions to Edison Club: From I-87: exit 9 Clifton Park: 146 West to Rexford bearing left @ traffic light. Left @ 1st light onto Riverview Road. Edison Club on left. From Rt. 7: Turn onto 146 (Balltown Rd. going north). Cross Rexford Bridge. Right @ 2nd light onto Riverview.

March Event

Our March event was also well-attended, with thirty people taking the Mechanicville Hydroelectric Plant Tour. Thanks to Louis Okonski for contributing some photographs.



Our tour group inside the generating station



An inside view of the generating station showing the row of generators.

April Meeting

Mike Boss, from the Steam Turbine Technology department at GE Energy, gave an outstanding lecture on the history of steam turbine development. The talk covered the evolution of steam turbine design, specific turbine installations that are milestones in steam turbine history, and discussed future trends in steam turbine design. The lecture was enhanced by questions and comments from several retired GE engineers who attended the meeting.

The Student Section at Union College in Schenectady hosted this event. The section did a superb job in lining up the facility and refreshments. Approximately fifty people attended the event, making it the most-attended event of the year.

ASME International
Hudson-Mohawk Section Officers

Chair: Fred Willett (518) 347-0271 willett1@asme.org
Vice Chair: Francisco Moraga (518) 276-8592
Secretary: David Smith (518) 385-1234
Treasurer: Mike Brilliant (518) 387-6558 brilliant@crd.ge.com

Distribution of Section Newsletter
****New Web Address****

The Hudson Mohawk newsletter is now posted at:
<http://sections.asme.org/hudson-mohawk>

Once each newsletter is posted on the Section's web page, an e-mail notification and link to the above website is sent to members who have e-mail addresses in the ASME member database. If you are an active member of ASME and did not receive an e-mail notification, please go to the ASME web site and update your membership information.
<http://members.asme.org/myasme/login/myasme.cfm>

2004-2005 Section Officers

The section Nominating Committee, chaired by Fred Willett, has nominated officers and directors for 2004-05. The ballot is included on the next page.

Voting Instructions: If you received this newsletter electronically, print out the last page, clip the ballot, fill it out, sign it, and mail to:

ASME Hudson-Mohawk Section
P.O. Box 206
Schenectady, NY 12301

Chair's Message

We close out a busy year with our annual honors and awards dinner on May 20. It's been a busy and successful year, thanks to our hard-working and under-appreciated volunteers. Thanks go to our executive committee, our program organizers (Ramesh Gambheera, Francisco Moraga, Paul Kehoe, Lewis Stitt, David Smith, Mike Brilliant, and Sam Sham). Going the extra mile were Francisco Moraga and Lewis Stitt, who each sacrificed a weekend to attend the IRAC and RAC, respectively.

Next year can be even better. There are many program possibilities. Some ideas are generated within the section; some opportunities come from the regional and national offices. All that's needed are active members to help organize and execute the programs. A great way to get more involved with ASME is to join the program committee. Contact any of your section officers for more information.

Occasionally, we receive complaints from members who don't volunteer their time. Before calling a volunteer at home or his/her place of employment, ask yourself "What have I done to help the section?" Then consider offering your time and talent instead of offering a complaint. There are many opportunities to help out, from helping paste labels on newsletters to organizing a tour to holding an office. Thanks.

Fred Willett

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
HUDSON MOHAWK SECTION
P.O. Box 206
Schenectady, NY 12301

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(Clip Here and Mail in per Voting Instructions)

Ballot for 2004-2005 Section Officers

Position	Nominee	Accept	Withhold
Chair (two year term)			
Treasurer (two year term)	Mike Brilliant		
Webmaster (two year term)	Omprakash Velagandula		
Name			
Signature			