



**ASME International
Hudson Mohawk Section**

Editor: Ramesh Gambheera
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Newsletter

January 2004

ASME Seminar

Superconducting Generators

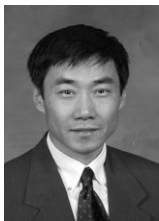
Speaker: Yu Wang, GE Power Systems,
Schenectady, NY

Date: Thursday, January 22th

Time: 6 PM Social Hour
6.30 PM Dinner
7.30 PM Speaker

Place: La Caravelle Ristorante at the Italian-
American Community Center, 257
Washington Avenue Extension, Albany

**To reserve your seat, contact Ramesh
Gambheera** (gambheera@research.ge.com or
(518) 387-4266) by noon January 20th



Dr. Wang is the Manager of Generator Technology NPI (New Product Introduction) at GE Power System Energy Services. He received his B.S. (1982) and M.S. (1985) from South China University of Technology and his Ph.D. (1990) in Mechanical Engineering from University of Pennsylvania. After seven years working as a turnkey project manager at Holtec International supplying spent nuclear fuel racks for commercial nuclear power plants, he joined the Babcock & Wilcox as a chief designer for the world's largest 1800 MJ SMES system. In 1997, Dr. Wang joined GE Global Research Center as a project manager developing superconductive technologies. He recently joined GE Power Systems and leads a team developing advanced technologies for generator services. Dr. Wang is a registered Professional Engineer, and has 39 patents filed. He is also

active in the community services. He served as the president of the Chinese Community Center of the Capital District of NY last year.

Abstract:

Low Temperature Superconductors (LTS) have made a huge impact on the MRI technology because of the zero and persistent current that continues to flow without diminishing. The technology has been successfully commercialized to create high homogeneous magnetic field and enabled the high- resolution stable imaging systems. What is the next major impact that this technology may have on our lives? What is HTS? What are the ongoing development activities in the industry? This talk will present the status of this evolutionary progression from the perspective of a GE researcher, who was the project leader of the recent success of the 1.8 MVA HTS Superconducting Generator prototype made and tested at GE Global Research Center. The audience will be given a chance to ask questions.

Place:

La Caravelle Ristorante at the Italian American Community Center
257 Washington Avenue Extension
Albany

Menu Choices: Oven baked Scrod
Chicken Sorrento
Penne Siciliano (vegetarian)

Directions:

Directions: From the west: take I-90 to the Crossgates Mall Road exit, turn right at the end of the ramp and stay straight onto Crossgates Mall Road. After a slight right, merge onto Washington Avenue extension on the left. Follow Washington Avenue Extension for about 1.4 miles, then turn right into Pine West Plaza.

From the north: take I-87 to the Crossgates Mall Road exit, turn right at the end of the ramp and stay straight onto Crossgates Mall Road. After a slight right, merge onto Washington Avenue extension on the left. Follow Washington Avenue Extension for about 1.4 miles, then turn right into Pine West Plaza.

From the south and east: Take I-90 to the Fuller Road exit (exit 2 towards UAlbany), Turn left onto Fuller Road and follow to Washington Avenue Extension. Make a slight right onto Washington Avenue Extension and follow for about 2.2 miles, then turn right into Pine West Plaza.

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HUDSON MOHAWK SECTION
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Message from the Chair

We have a fine slate of programs for 2004. Section meetings are scheduled for the following dates: January 22, February 19, March 25, April 22, and May20. Please mark your calendars.

Our February meeting will celebrate Engineers' Week. In March we hope to hear about the Mechanicville hydro plant. Our April meeting will be our annual joint meeting with the Union College student section. In May, we have our annual Honors & Awards Dinner.

Also, the 2nd Annual AIAA/ASME Aerospace/Mechanical Mini-Symposium is on April 14. The theme for this meeting is "Engineering Innovation Showcase of the Capital District." Section members wishing to help out with the symposium or any of our meetings can call me at 347-0271.

I often get mail or phone calls with questions about section operations. One member wanted to know why I send a link to the web-posted newsletter instead of e-mailing the newsletter directly. ASME allows me, as section chair, to send a message to the entire section. This means that your executive committee is relieved of the burden of maintaining an e-mail distribution list. ASME allows only a text message, i.e., no attachments, in order to limit the size of e-mail messages. So far, the positive feedback regarding our process for distributing the newsletter far outweighs the criticism.

It's not too early to self-nominate for next years' program committee or executive committee. In addition to volunteers, your executive committee is also looking for speakers for next years' meetings. Members with a relevant topic and an interest in public speaking are encouraged to volunteer.

In the first major step toward celebrating the 125th anniversary, ASME has launched an anniversary logo that reflects both the history and the future of the Society -- as a forward-looking, global, market-focused organization. It

implies speed and agility, strength, and poise. The new logo, in blue and black, incorporates the ASME acronym, with a globe and the years 1880-2005.

Best wishes for the New Year. Please plan to attend one or more of our meetings.

Fred Willett

Distribution of Section Newsletter

The Hudson Mohawk newsletter is posted at:
www.asme.org/sections/udson-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>
