

ASME Seminar

Cryogenic Coolers

Speaker: Phil Spoor

Associate Fellow for Design and Analysis,
Clever Fellows Innovation Consortium, Inc.
Troy, NY

Date: Thursday, November 20th

Time: 6.30 PM Social Hour
7PM Speaker

Place: Low Center for Industrial Innovation,
Room 5003, RPI Campus, Troy, NY

To reserve your seat, contact Fred Willett
willett1@asme.org or (518) 347-0271 by noon
November 20th

Directions:

From the South:

Take I-87, the New York State Thruway, north to exit 23. At exit 23, get on I-787 north to Route 7 east. Follow directions to the meeting place (below).

From the North:

Take I-87, the Adirondack Northway, south to exit 7 east. Get on Route 7 headed eastbound. Follow directions to the meeting place (below).

From the East:

From I-90 (Massachusetts Turnpike, Berkshire Spur of the New York Thruway), take exit B1. Continue west (13.5 miles) to the exit for I-787. Take I-787 north to Route 7 east. Follow directions to the meeting place (below).

From the West:

Take I-90, the New York State Thruway, to exit 24. From exit 24, continue onto I-90 east. Exit onto I-787 north. Take I-787 north to Route 7 east. Follow directions to meeting place (below).

Directions to the Meeting Place:

From Route 7 east, make a right turn onto 15th Street. Low Center for Industrial Innovation, which is the tallest white building close to the football field and the pedestrian bridge over 15th St.

To reserve your seat, contact Fred Willett at 347-0271 or willett1@asme.org by noon November 20th.

Abstract:

Cryocoolers, which have traditionally been high-priced, specialty devices are rapidly becoming inexpensive, commodity products. In addition to widening the access to cryocooling in the traditional markets, the lower cost and higher reliability of current cryocooler technology is creating new markets in medical devices, telecommunications, and high-temperature superconductors. This talk will trace the development of the most promising new cryocooler technology, the high-frequency acoustic Stirling cryocooler (or "pulse-tube" Stirling cooler) and how new developments in manufacturing and linear motors have enabled the new Stirling coolers to cross over from the high-priced world of military and space applications to the mass market.

Place:

Low Center for Industrial Innovation, Room 5003, RPI Campus,
Troy, NY

Pizza and Soda are available (\$5)

Message from the Chair

The program year is underway and moving along quickly. For those who missed it, our October meeting was our annual meeting focusing on ASME beyond the local section. Dr. Henry Scarton spoke to our members about the changes pending for ASME's Council on Engineering. The proposed changes affect all members. For more information, consult the COE web site: <http://www.asme.org/coe>, and click on "REORGANIZING COE" to download a PowerPoint document.

In our October meeting we honored one of our members, Pradeep Gupta, who was recently named an ASME fellow. Member Wilbur Shapiro, who nominated Dr. Gupta, made the presentation.

Our Vice-Chair, Francisco Moraga, attended the annual IRAC (Interim Regional Administrative Conference) and has filed a brief report. One of the benefits of becoming an active ASME volunteer is the opportunity to attend events such as IRAC, where one can learn more about ASME, attend career development seminars, and network with peers from around Region III.

**THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
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This month, we're pleased to join with the RPI student section for a meeting on the RPI campus. The atmosphere will be informal, and members are encouraged to bring high school students who want to learn more about engineering.

We will have no meeting in December, but will meet in January at Le Caravelle restaurant in Albany. The January meeting is co-sponsored by our technical chapters and will feature a presentation by Dr. Yu Wang of GE Power Systems.

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>
