

January 2006 Event

ASME St Louis presentation and tour **COMPRESSED NATURAL GAS POWERED VEHICLES**

Tuesday, January 17, 2006
Tom Mull, Event Captain (636)-938-6173

Speakers: **Tom Schultz**, Manager NGV Market Development, **Laclede Gas Company**, and **Jim Daerda and Gary Sickmeier** of **Alternative Fuels Systems of St. Louis**.

With the fuel shortages of the past and tighter air pollution requirement for vehicles, there has been and increased interest in compressed natural gas (CNG) as an alternative fuel to gasoline and other petroleum based fuels. However, there are important issues that should be considered when using CNG as a fuel for vehicles.

The January ASME meeting will be a presentation addressing technical issues and the environmental impact of CNG vehicles, safety issues, operating costs, maintenance of CNG vehicles, fuel storage, and fueling equipment. These topics, as well as others, will be discussed during the presentation.

Following the meeting, attendees will have the opportunity to visit the "**Super Park**" CNG shuttle bus facility owned and operated by St. Louis Lambert Airport. At the facility, attendees will have the opportunity to see a CNG vehicle close up and a chance to see a vehicle being converted to CNG fuel.

The new "Super Park" Cypress parking facility hosts an entire clean-air shuttle fleet consisting of 36 Ford E-Series compressed natural gas (CNG) shuttle vans. A new natural gas vehicle fueling station has been constructed at the Cypress parking facility and now serves the entire airport clean-air shuttle fleet.

The City of St. Louis Airport Authority at Lambert St. Louis International Airport has established a successful clean-air parking shuttle program, promoting improvements in our region's air quality at the congested regions of airport entrances and exits.

This project offers measurable results in lowering vehicle emissions and improving our region's air quality. Lambert airport incorporates the specific benefits of operating clean burning natural gas vehicles under their environmental planning submissions. Such promising mitigation measures are possible because of the inherently low vehicle emissions with natural

gas powered vehicles. The CNG shuttle vehicles perform very well, achieve excellent range and are extremely quiet.



The Lambert Compressed Natural Gas vehicle program is good business too! Lambert currently pays only \$1.80 per gasoline gallon equivalent (GGE) for vehicular natural gas fuel as compared to today's current regional gasoline costs of \$2.30 per gallon.

The Lambert airport CNG program represents strong community leadership in promoting clean air for our region! The Lambert clean-air vehicle program truly represents an economical investment in cleaner air for the St. Louis region in many ways. This program also promotes our efforts to achieve greater energy independence. The Lambert CNG vehicle program displaces over 250,000 gallons of diesel fuel annually!

Date: Tuesday evening, January 17, 2006.

Time: 5:30 - 6:00 pm Reception and social.

6:00 pm Dinner followed by presentation.

7:00 p.m. Tour of shuttle bus facility.

Location: The Cardinal Room at Crown Plaza Hotel by St. Louis Airport, 11288 Lone Eagle Drive, Lindbergh and I-70, St. Louis, MO 63044

Dinner Menu: Assorted baby field greens with assorted dressings, boneless breast of chicken served with potato or rice and a selection of vegetables.

Cost: \$25.00 members and guests, \$15.00 student members.

Directions: Take I-70 to Lindbergh and go south. Take first right turn onto Lone Eagle Drive. Lone Eagle Dr. is located between I-70 and St. Charles Rock Rd.

Reservations: Reservations required by 5:00 pm on Friday, January 13, 2006. by calling Tom Mull at 636-938-6173.

Information: For more details, contact Tom Mull at (636) 938-6173 or email mullt@att.net

Message from the Chair

Please join us at the upcoming

ASME-STL Board Meetings

6:00 p.m. Wednesday, January 11th

6:00 p.m. Tuesday, February 7th

at Laclede Street Bar and Grille

3818 Laclede Avenue

near Saint Louis University Campus

James Campbell

St. Louis Section Chair

ASME-STL Section Programs for the year 2005-2006,

Sridhar Condoor – Vice Chairman

Feb 16, 2006: Technical Dinner Meeting and Joint Meeting.
Speaker/Org: Solly Angel - author of The Tale of The Scale.
Captain: Sridhar Condoor, Location: Saint Louis University.

March 15, 2006: Technical Dinner Meeting.
Speaker/Org: Engineered Support Systems.
Captain: Jim Campbell.

April 19, 2006: Professional Tour
Captain: Angela Berring
Location: Six Flags

May 2006 date TBA: Professional Tour and Technical Meeting
Speaker: Brain Computer Interfaces, Dr. Daniel Moran [Tentat.]
Captain: Tom Bever
email to ACBerring@Olin.com.

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ASME enables you to find other members at ASME website:
<https://members.asme.org/myasme/membershipsearch/search-membership.cfm> - With this link, you can find members of any section, technical division, or membership grade, along with name, address, email and telephone contact information shared for use in ASME society and professional affairs.

2006/2007 NOMINATING COMMITTEE SELECTION

MESSAGE TO ALL ASME ST. LOUIS SECTION MEMBERS

We need to plan for the next operating year (2006-07). A nominating Committee will be formed soon to nominate officers for next year. In the January event meeting, we will seek nominations to serve on the nominating Committee. The Committee will be formed to submit nominations for next years officers. Nominations to serve on the nominating Committee can be voiced at our January event or by contacting:

Angela Berring
Secretary- ASME STL Section
c/o Engineers Club of St. Louis
4359 Lindell Blvd.
Saint Louis, Missouri 63108
Angela Berring at 618-258-2214
email to ACBerring@Olin.com.

ASME & AIChE Joint Membership

Now current ASME members can join AIChE and get the benefits of membership at a one-third discount through our special joint membership offer. In order to qualify, you must be a paid member of ASME. For more details on AIChE membership and benefits, visit www.aiche.org.

ASME STL SECTION NEW WEBSITE

ASME St. Louis Section has a new website
<http://section.asme.org/stlouis/>

Please visit the new website for current St. Louis section information and for archives of St. Louis section historical information. Major categories presented on the new website include Events, Newsletters, Local Schools, Links, Jobs, Officers, Constitutions, and Past Chairs.

ASME STL Mail / Return Address

ASME St. Louis Section.
c/o The Engineers' Club of St. Louis
4359 Lindell Blvd.
St. Louis, MO 63108

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