



The Queensland Chapter of the
Risk Engineering Society

presents



Natural Gas Safety

Perspectives from Transport and Industry

Date:

Tuesday, 23rd February 2010

Time:

5:15pm for 5:45pm start

Venue:

Hawken Auditorium
Engineering House
447 Upper Edward St
Brisbane

Cost:

RES members	\$20
EA members / Students	\$20
Non-members	\$30

Refreshments will be served before the presentations.

Please register to assist with catering.

Dr Hien Ly

Hien Ly holds the degrees of Bachelor of Engineering (BE, Mech.) and Doctor of Philosophy (PhD) in Engineering, both from the University of Auckland.

He has worked for nearly 30 years on natural gas vehicles (NGV) for major energy utilities and as a consultant in New Zealand, Australia and other countries. He is a recognised Australian and international NGV expert.

His NGV work has included technical R&D, commercial development, tender specification and evaluation, standards and regulations, safety investigations and technology and safety training. His range of clients includes Australian city bus fleets (Sydney Buses, Brisbane Transport and Transperth), international NGV industry bodies and Asian governments and companies.

Dr Ly chairs Standards Australia's Committee AG 009, which in late 2009 published AS 5092, the Australian standard for CNG refuelling stations.

Natural gas is widely used in domestic, commercial and industrial applications, and is making inroads in the transport sector. Its ready availability in Queensland and its environmental credentials relative to other fossil fuels bode well for its future use. But how safe is it?

RES has arranged for 2 specialists to present on this issue:

- **Dr Hien Ly** will discuss the use of Compressed Natural Gas (CNG) in vehicles. He will provide an overview of the issues involved in owning and operating a CNG vehicle fleet, and will touch on CNG vehicle safety considerations when designing and operating vehicle tunnels.
- **John Fleming** will share some of the experiences he gained over nearly five decades in the gas industry, including 20 years as Chief Inspector, Petroleum and Gas in the Queensland Department of Energy and Mines. He will look at safety now and in the future, including the forthcoming LNG projects.

John Fleming

In August 2008, John retired as Chief Inspector Petroleum and Gas with the Queensland Department of Mines and Energy, and now runs his own consultancy business, Gas Advisory Services Pty Ltd.

John has nearly 50 years of experience in petroleum and gas in Victoria and Queensland. He has participated in and chaired many Standards committees and is widely recognised for his expertise in the fields of natural gas and LPG.

John holds an Associate Diploma in Applied Physics from RMIT and a Bachelor of Science Degree from Monash University. He has worked in scientific research and development, including gas appliance certification, engineering design of upstream and downstream gas facilities, and more recently played a significant role in the development of the Petroleum and Gas (Production and Safety) Act 2004.

Having witnessed far too many incidents and accidents in the gas industry which "should never have happened", John maintains a passion for safety which he willingly shares.

Note: This presentation counts as 1 hr of CPD under the Risk Management category as per Engineers Australia's requirements.



Queensland Chapter
Risk Engineering Society



Registration Form

Yes, I / we will be attending the presentation on Tuesday 23rd February 2010.

Registration Options:

- Fax (07) 3832 2101
- Email this completed form to EA Queensland Division at gld@engineersaustralia.org.au

For any registration and payment enquiries, please call EA Division on (07) 3832 3749

Name: _____ **Company:** _____

Address: _____

Telephone: _____ **E-mail:** _____

Number Attending: _____	RES members	Cost: \$20 pp
_____	EA members	\$20 pp
_____	Students	\$20 pp
_____	Non-members	\$30 pp

Note that attendees who are not currently RES members, can apply to join RES and pay the member rate for attending this event. Further information and an application form can be found at www.engineersaustralia.org.au/res

Payment Options:

- Payment at the venue before the presentation
- By cheque payable to "Engineers Australia"
- By credit card

Amex Diners MasterCard Visa

Card Number: _____

Expiry Date: _____ **Signature:** _____

Cardholder's Name: _____ **Amount(\$):** _____

Details of Other Attendees:

Name: _____ **Company:** _____

Name: _____ **Company:** _____

Name: _____ **Company:** _____