

## Changes on AIGA Board

The AIGA Board was reconstituted at the last Annual General Meeting on 27 October after Vice President (and acting President) Ivo Bols (Air Products) relocated out of the Asia zone in the third quarter of 2011.

The following were elected as the office bearers for the remaining term to October 2012:

President:	Sanjiv Lamba
Vice President:	Anne Roby
Secretary:	Helmut Schneider
Treasurer:	Mok Kwong Weng



Board Members: Fumiaki Ohya, Atsuhiko Fujita  
Saw Choon Seong  
James Lucas (TC Chairman)

Choon Seong (Air Products) joins the Board to replace Ivo.

AIGA welcomes back Sanjiv as President. Sanjiv has served on the Board since 2006 and was President previously in 2009-2010.

*Mr Sanjiv Lamba (Linde)*

## Roll-out of 2012 Work Plan

The Technical Committee (TC) has rolled out the Work Plan 2012 (and beyond) in the third quarter of 2011 to members of the Work Groups (WGs).

Based on feedback from the associations, the TC/WGs will be working on:

- Sharing of accidents/incidents and lessons to be learned
- Support to National Associations on training seminars
- Support in regulatory issues to National Associations where possible

The plan's focus will emphasize more engagement with the National Associations (NAs) to have safety seminars in 2012. The Malaysia Industrial Gas Manufacturer Association is working on a seminar on 'Cylinder Packaged Gas Safety' in the first half of 2012.

The Taiwan High Pressure Gas Industrial Association is targeting their safety seminar in September 2012. The Gas Industry Association, India, and the Industrial Gas Association, Singapore, also intend to hold seminars in 2012.

An additional resource that AIGA will make available on its website is to have the first batch of translated AIGA

publications in the Chinese language. The work was carried out by members in China and Taiwan.

The first ten titles will be ready in January 2012.

They are:

- AIGA 010/04 -- Management of Change
- AIGA 011/04 -- Work Permit Systems
- AIGA 012/04 -- Cleaning of equipment for oxygen service
- AIGA 103/05 -- Incident/accident Investigation & Analysis
- AIGA 023/05 -- Good manufacturing practice guide for medicinal gases
- AIGA 028/06 -- Unmanned Air Gas Plant – Design & Operation
- AIGA 040/06 -- Good practices guide for loading & unloading of cryogenic liquid tankers
- AIGA 043/07 -- Transport security guidelines
- AIGA 052/08 -- Storage and handling of silane & silane mixtures
- AIGA 056/08 -- Safe practice guide for cryogenic air separation plants

## AIGA to host 30<sup>th</sup> IHC Meeting

AIGA will be hosting the 30<sup>th</sup> International Harmonization Council (IHC) Meeting from 29 February to 2 March 2012 in Bangkok.

The IHC meeting brings together the regional associations: Compressed Gas Association (CGA), European Industrial Gases Association (EIGA), Japan Industrial & Medical Gases Association (JIMGA) and AIGA.

All the heads and technical directors from the associations will attend the meeting.

In 2011, the IHC completed the Harmonization Work Process document which spells out the policies and process governing the co-operative work among the associations to implement globally harmonized publications for the industry.

# New Management Committee at IGAS

**T**he Industrial Gases Association, Singapore (IGAS) convened their Annual General Meeting on 27 October 2011.

A new Management Committee was elected for the next 2-year term of office.

The following are the Committee Members:

President: Christophe Chaliier (Air Liquide)

Vice- President: Gary Choo (National Oxygen)

Secretary: Kwan Mun Chong (Air Liquide)

Treasurer: Chow Kok Ming (Linde)

Committee Members: Maggie Lim (Iwatani), Huang Chin Hwa (Air Products), James Ooi (Chem Gas), Dave Ler (SSB), Darmendar Singh (Asia Technical Gas), Tay Joo Heng (Leeden)

## MIGMA takes lead in safe disposal of acetylene cylinders

**T**o deal with the environmental issues for the safe disposal of acetylene cylinders in Malaysia, Malaysian Industrial Gases Manufacturers Association (MIGMA) members embarked on a project to tackle this together four years ago. The project was successfully completed in November 2010 with the start-up of a treatment facility in Bukit Pelanduk, Negri Sembilan.

MIGMA members that worked together on this development are Air Products Malaysia, MOX Linde, Southern Industrial Gas, Gas Pantai Timur, Bintulu Industrial Gas and Eastern Oxygen Industries.

The project started with vendors being invited to make proposals for the safe disposal of the content in the scrapped cylinders that comply with the requirements from the Department of Occupational Safety and Health (DOSH) and Department of Environment (DOE). The scope also required that the vendor obtain approval from DOSH and DOE for the treatment of the waste. Eventually, Kualiti Alam, a licensed

waste disposal company was selected.

The contract with the vendor to build and operate the facility was signed in 2008.


The equipment comprises a heating system to remove the solvent in the acetylene cylinders and a vapour condensation unit to recover the extracted solvent which can then be recycled for other uses.

After the treatment cylinders are rendered safe for disposal in an authorised landfill.

The facility has the capacity to treat 20 cylinders per day which translates to about 7000 cylinders per year.

Since its start-up, the facility has processed a total of 11,000 cylinders from all the member companies.

In Malaysia, the recurring number of cylinders that require disposal is expected to exceed a thousand each year.

As this is a MIGMA project, priority will be given to its members. Third party companies will need to contact MIGMA if they wish to make use of the treatment facility. 

## EIGA Seminars 2012

**E**IGA has developed a very comprehensive programme on Oxygen Safety for their coming 2012 Winter Session.


The 2012 Winter Session will consist of:

- EIGA Workshop 2012 “**Oxygen Safety for Industrial and Medical Supply Chains**” on 25<sup>th</sup> and 26<sup>th</sup> January,
- “**Safety of Oxygen Systems**” Training Course on 24<sup>th</sup> and 25<sup>th</sup> January, and
- EIGA Winter Technical Meeting (for EIGA Members only), on 25<sup>th</sup> January.

The Workshop and Training Course are open to delegates from member companies, industry associations, authorities, regulators and non-members, although the Training Course will be restricted to 50 attendees.

For the **Oxygen Safety Workshop**, it is a new format for EIGA where the programme will consist of a mixture of plenary sessions and three parallel sessions focused on the areas of:

- large production plants,
- cylinder filling plants, and the
- delivery and use of oxygen in the healthcare industry.

The **Safety of Oxygen Systems Training Course** will address the fundamental issues relating to the safe design and operation of oxygen systems and has been designed to be of benefit to those new to the industry as well as those with industry experience but requiring refresher and updated training. 

### Relocation of AIGA Office

The AIGA Office has been relocated to  
3 HarbourFront Place, #09-04 HarbourFront Tower 2, Singapore 099254  
from September 2011.

# Technical Committee & Work Groups

The Technical Committee and Work Groups saw some changes in their teams in the last quarter of 2011. Vincent Moreau (Linde) relocated to Europe in October and was succeeded by Wichit Sophitonantrat (Linde). Wichit is based in Thailand.

At the Work Groups, Ray Bailey (Air Products) has joined the Safety Advisory Group (SAG). Ray, who has an extensive background in electronic gases will also chair the Electronic Specialty Gases (ESG) Work Group. The ESG chair had been vacant since Ken Ikoma retired in April 2010.

## AIGA Technical Committee & Work Groups - Dec 2011

Work Groups	Technical Committee	Safety Advisory Group	Medical Gases WG	Packaged Gases WG	Electronic Specialty Gases WG	Transportation WG(A) - Packaged Gases WG	Transportation WG(B) Bulk/ Drivers Safety WG
<b>Air Liquide</b>	LOKE Chong Ngean	<b>LOKE Chong Ngean</b>	<i>CN Loke</i>	LIM Boon Sung	Margaret ANG	LIU Lin	Vera JARUGARUNA
<b>Air Products</b>	<b>James LUCAS</b>	Raymond BAILEY	Ernest KHOO	<b>James LUCAS/</b> Thomas LIM	<b>Raymond BAILEY/LEE</b> Jin-Sup	Robert FENG	Weerachit SIRIKUL / Amorn JUNGSKUL
<b>Linde Gas Asia</b>	Wichit SOPHITA-NONTRAT	Wichit SOPHITA-NONTRA	<b>Vincent LAI</b>	Ramana VUTUKURU	LEI Hai Ping	Connie PAN	Nattawud JANTEB
<b>Iwatani Corp.</b>	Muhammad DANI	Muhammad DANI					
<b>Messer China</b>	DU Pu	Thomas RUBBERT				<b>DU Pu</b>	
<b>Taiyo Nippon Sanso</b>	Gary CHOO	LUM Kok Whye	Ichirou NAKAYAMA	Robert GOH	Luping WANG	SHU Fei	N. PONTHEP
<b>Praxair</b>	Mike SHANNON	Mike SHANNON	<i>Mike SHANNON</i>	Milan SARKAR	<i>Mark NESTLE / (Bruce CHENG)</i>	HOU XiSheng	<b>Adisorn RUANGDEJ</b>

*Names in bold text denote chairpersons*

**Task Force (Sustainable Development)** - Members are Roger Jiang (AL), Amy Wang (AP), Lam Pui Kay (Linde), Rhoda Zhang (Messer China), Bill Zhou (Praxair) and Mike Shannon (chairperson).

## New Publications

### New AIGA Publications

- Safety Bulletin 07/11 – Safety at customer sites
- Safety Bulletin 08/11 – Recent incidents in gas industry in Asia
- AIGA 076/11 – Safety guide for structured aluminum packing for oxygen distillation (Harmonised publication)
- AIGA 077/11 – Handling externally contaminated medical cylinders in a pandemic situation

### New EIGA Publications (4<sup>th</sup> quarter 2011)

- Position Paper PP-37 – Certification by a qualified person & batch release (for medicinal gas production facilities)
- EIGA 920/11(for Members only) – Guidance for qualifying customers purchasing compressed gases
- MGC 152/11 – Comparison of European, U.S. & Japanese pharmacopoeia monographs for medicinal gases
- Training Package TP 26/11 – Recent Incidents in the Industrial & Medical Gases Industry (SAC 127)

