



International Institute of Refrigeration



Register Now
Save \$300 - \$400
Early Bird discount
until 28 Feb



9th IIR Gustav Lorentzen Conference 2010 natural refrigerants • real alternatives

12–14 April 2010 • Sydney, Australia

Conference on natural working fluids

The International Institute of Refrigeration (IIR) and AIRAH are proud to announce the 9th IIR Gustav Lorentzen Conference on Natural Working Fluids, to be held in Sydney from April 12-14 2010.

The 9th IIR Gustav Lorentzen Conference: natural refrigerants – real alternatives, focuses on the latest research results and advances related to the use of natural refrigerants in refrigeration, air conditioning, heat pump systems and more.

This is the first time this one of a kind conference will be held in the southern hemisphere, following previous successful events in Denmark (Copenhagen) 2008, Norway (Trondheim) 2006, UK (Glasgow) 2004, China (Guangzhou) 2002, USA (Purdue) 2000, Norway (Oslo) 1998, Denmark (Aarhus) 1996 and Germany (Hannover) 1994.

The conference will bring together the worlds leading professionals in the field and they will discuss the latest in research, technologies, case studies, practical applications, the future of natural refrigerants, world's best practice relating to energy efficiency, reduction of carbon emissions and system design.

We look forward to welcoming you to Sydney in April to continue the evolving work relating research and practical implementation of natural refrigerants, and of course to foster friendships and future partnerships.

Conference organiser

achieving
recognition



Conference of the International
Institute of Refrigeration
Involving commissions

B1: Thermodynamics & transfer
processes

B2: Refrigerating equipment

E1: Air conditioning

E2: Heat pumps, energy recovery

www.airah.org.au/iir-gl2010

ABOUT SYDNEY

Sydney is one of the world's great cities. It's a city with everything: a spectacular harbour, fantastic beaches, world class sporting activities, a superb climate (the average maximum temperature in April is 22C) and friendly, easy going people - all contributing to a relaxed environment that permeates the city and its visitors.

The city's dining options are numerous - from an alfresco seafood lunch at Circular Quay to a three-course meal at Bondi Beach.

Sydney's restaurant scene also reflects the city's cultural diversity, with inspiration from the finest Asian, European and Middle Eastern cuisines, combined with the freshest Australian ingredients, to create a gourmet paradise.

Shopping opportunities are abundant and include a mixture of shopping complexes, boutique stores and colourful markets, many of which are located along the foreshores of Sydney's famous beaches and harbour areas.

Under warm skies, the harbour is an everyday focus that can be enjoyed from the top of the famous Harbour Bridge or from a boat on the water.

Just west of Sydney lies the beautiful Blue Mountains, while to the north the Hunter Valley wine region beckons. Both regions are perfect for visitor day trips.

THE VENUE

With its prime Sydney waterfront location and world-class facilities, Sydney Convention and Exhibition Centre is Australia's largest and most successful events venue in Australia.

ARBS EXHIBITION

The 9th IIR Gustav Lorentzen Conference will be held at the same time and at the same venue as the ARBS exhibition.

ARBS is the largest industry air conditioning, refrigeration and building services exhibition in the southern hemisphere, attracting over 10,000 visitors. ARBS focuses on best practice sustainability, energy efficiency and compliance.



FACILITY TOURS

We have organised a site visit to a petrochemical plant installation only 30 minutes from the conference venue, to view a large, cutting-edge ethylene-propane cascade refrigeration system. This has a capacity of over 600 kW, operating down to -100°C, with compressor drive motors up to 1600 kW and which is understood to be the lowest temperature oil-flooded screw compressor operating in the world. It includes a stainless steel screw compressor on the ethylene stage due to the low temperature. The system was commissioned in 2001 and has run since then without major maintenance. The system designer will be present on the tour.

Other technical tours will be on offer including the latest CO₂ facilities and infrastructure. More technical tours will be announced in the lead up to the conference.

The GL 2010 conference will feature sessions based on recent developments and applications relating to:

- » Heat exchange
- » Sorption cooling
- » Cascade/2 stage systems
- » CO₂ heat pumps
- » Natural refrigerants in supermarkets
- » Industrial refrigeration
- » Mobile air conditioning
- » Desiccant and evaporative cooling
- » Heat recovery and cogeneration
- » Emissions and energy savings
- » CO₂ compressor advancements
- » Ejector systems
- » Expansion devices
- » Slurry technology

WHO SHOULD ATTEND?

- » Researchers
- » System designers
- » Equipment suppliers
- » Refrigeration and HVAC engineers
- » Refrigeration and HVAC consultants
- » Business development managers
- » Technology managers
- » Operations managers
- » Government and policy makers
- » Carbon reduction specialists
- » Spouses and partners

For an up to date list of technical sessions and presentations click here. 

www.airah.org.au/iir-gl2010

CONFERENCE SOCIAL PROGRAM

Registration and cocktail welcome Sunday 11/4/2010

Registration starts Sunday at 5:00pm along with a cocktail welcome session will be held at the Sydney Convention and Exhibition Centre until 19:30pm. All conference participants and accompanying persons are encouraged to attend. This event is covered by the registration fee and will feature live musical entertainment.

Conference Banquet Monday 12/4/2010

The Conference Banquet Dinner will be held at the Bayside Terrace in the Sydney Convention and Exhibition Centre – with fabulous view over Darling Harbour and the city. The dinner will have a traditional Australian feel and will feature local cultural entertainment. This event is for all participants and accompanying persons and is also covered by the registration fee.

Cocktail function Tuesday 13/4/2010

There will also be a cocktail function on the evening of 13/4/2010 for all participants and accompanying persons and is also covered by the registration fee.

Welcome tea and coffee, morning teas, lunch and afternoon teas will be available each day of the conference and are included in the registration fee.

SPOUSE AND PARTNER TOURS*

Shopping tours – Paddington and East Sydney

Sydney is fast becoming the shopping hub of the fashion savvy, but with so many boutiques where do you start? Your guides will help you navigate your way around the streets of Sydney's fashion jungle and shop in style.

Taronga Zoo

Taronga Zoo is the nation's leading zoological garden, featuring Australia's finest collection of native animals and a diverse collection of exotic species. What makes Taronga Zoo special is its location. Situated on elevated land along the waterfront, it is one of the most beautiful vantage points on Sydney Harbour - overlooking Sydney Cove, the Harbour Bridge and Opera House. The zoo has its own jetty and visitors are able to step off the ferry and walk directly into the zoo.

*Tour prices will be announced soon. They are not included in the partner rate (social program is)

The Rocks

The Rocks is Sydney's historic old town quarter, located between the famous Sydney Harbour Bridge and the Sydney Opera House. A walking tour of the Rocks is the best way to discover the rich heritage of this area. Enjoy tales tall and true as knowledgeable guides take you to historic pubs, colonial cottages, archaeological dig sites, a Gothic church and cobblestone laneways and leafy courtyards. It is also the location for a charming weekend market, with over 150 stalls open from 10am - 5pm.

Opera House

Venture inside one of the great architectural masterpieces of the 20th Century! The Sydney Opera House sits on Bennelong Point surrounded by the beautiful Sydney Harbour. You will learn the story of the Danish Architect Joern

Utzon who originally designed this magnificent building. You will also get the chance to view the newly opened Utzon Room and its contemporary styling (subject to availability). Since opening in 1973 the Sydney Opera House has been host to some of the most memorable artistic performances of our time.



There is of course also an abundance of beaches, beautiful scenery, national parks, wildlife, wineries and more to be explored throughout Australia. April is a great time to visit Australia. We look forward to welcoming you to Sydney in April.

PRE AND POST CONFERENCE TOUR SUGGESTIONS

Hunter Valley

The Hunter Valley is a 2 hour drive north of Sydney. This dynamic region offers some of Australia's best known wineries including McWilliams, McGuigans, Rosemount and Brokenwood, all of which offer cellar door tastings. The region is also home to a number of excellent restaurants and a range of accommodation options. Apart from the wineries there are speciality cheese makers, breweries, olive oil producers, art galleries and display gardens. It is truly one of Australia's great wine regions.

begins as you travel south from Sydney along the spectacular coastline. The region offers a magnificent diversity of coastal, forest, mountain and rural country. Its natural, unspoiled environment provides the atmosphere for



fauna. Enjoy National Parks, untouched beaches, spectacular wilderness, rivers and mountains, the rural life and the big skies of the hinterland.

South Coast

This premier region of New South Wales

a peaceful, relaxing or adventurous visit in contact with Australia's unique flora and

Port Douglas / Great Barrier Reef

Port Douglas is the ideal place to base yourself to explore two of Australia's largest drawcards - the majestic Wet Tropics rainforests of the Daintree and Cape Tribulation national parks, and the spectacular Great Barrier Reef, the largest coral reef system in the world stretching for more than 2,000 kilometres along the Queensland coast.

RECOMMENDED ACCOMMODATION

For accommodation and travel information please visit <http://registration.ozaccom.com.au/ei/2010/arb10/gustav.htm>

Suggested hotels close to the conference include: (please note there are more discounted hotels at the link above - starting from \$115 per night)

Novotel Sydney on Darling Harbour

4.5 Star

200 metre walk to Sydney Convention and Exhibition Centre
Pyrmont View Apartment \$239
Harbour View Apartment \$269

Enjoy a warm welcome and stunning view of Darling Harbour and the city skyline at the Novotel Sydney on Darling Harbour, proudly located in one of the world's great waterfront destinations. Connected via undercover walkway to Sydney Convention and Exhibition Centre, with a direct monorail link to the CBD, you can walk right outside our doors to an array of restaurants and clubs, along with Sydney's premier attractions.

Grand Mercure Apartments

4 Star

200 metre walk to Sydney Convention and Exhibition Centre
2 Bedroom Pyrmont View \$309
2 Bedroom Harbour View \$409

Grand Mercure Apartments are contemporary, beautifully appointed and ideally positioned right in the heart of Sydney's Darling Harbour precinct. The two bedroom apartments offer lounge and dining seating for up to 4 people, an expansive balcony, walk-in robes, European-style kitchens and full washing facilities.

Hotel Ibis Darling Harbour

3 Star

200 meter walk to Sydney Convention and Exhibition Centre
Pyrmont View Room \$149
Harbour View Room \$179

Hotel Ibis is conveniently located in Sydney's Darling Harbour, and connected via an undercover walkway to the Sydney Convention & Exhibition Centre. The hotel features a 24 hour front desk, dry cleaning, in-house movies, 24 hour security, internet access and close proximity to the sky train station.

REGISTRATION

Complete this form, then fax or post form with cheque or credit card details to:
AIRAH Level 3, 1 Elizabeth St Melbourne VIC 3000 Australia Ph +61 3 8623 3000
Fax +61 3 9614 8949 Email conferences@airah.org.au

All visitors to Australia, except those holding NZ or Norfolk Island passports,
must apply for a Visa before entering Australia



For information on Australian entry requirements and Visa's click [here](#)

* all prices are in \$AUD and include a 10% GST (goods and services tax)

	Speaker / Author rate (before 28 Feb)	Additional Speaker / Author rate (after 28 Feb)	IIR / AIRAH members rate early (before 28 Feb)	IIR / AIRAH members rate (after 28 Feb)	Early Bird Delegate rate (before 28 Feb)	Delegate rate (after 28 Feb)	Full Time Student (undergraduate)	Spouse & Partner rate	Total \$
Full Conference Cost	\$1,400	\$1,700	\$1,750	\$2,150	\$2,150	\$2,550	\$990	\$500	

Conference registration price includes morning and afternoon teas, lunches, 2 cocktail functions, conference banquet and entertainment.

Payment must be received prior to the commencement of the event. Unpaid tentative bookings do not guarantee a position in this conference. Engineers Australia members can choose to record CPD hours for attendance at this event in their personal CPD logs. Members should refer to Engineers Australia's CPD Policy for details of requirements and conditions.

PRIVACY AIRAH may produce a list of attendees at the event (for sponsors and/or other attendees) and include individuals' contact details in such a list. Please tick below if you would not like your details to be included in this list. **No – please do not include my details in the delegate list.**

Amount \$ Payment (tick one): Visa Mastercard Cheque (payable to AIRAH)

Card number

Expiry date Print Cardholder name:

Cardholder's signature:

Tax Invoice: Upon payment, a tax receipt will be sent to you. ABN: 81 004 082 928

Personal details

Mr / Mrs / Ms Given Name Family Name

Mr / Mrs / Ms Given Name Family Name

Organisation Position

Address Suburb Postcode

State Country

Phone () Fax () Mobile

E-mail address

Dietary Requirements

Please tick if you would like to be informed about other AIRAH programs and events.

CANCELLATION AND REFUND POLICY Registration may be cancelled up to four weeks prior to commencement of the conference, with participants receiving a refund less a 20% administration fee. In all other cases of cancellation the extent of any refund will be at the discretion of AIRAH. You may substitute another participant at any time prior to the event date should the nominated person be unable to attend. Where a non-member replaces a member the difference between member and non member rates will be charged. All requests for a refund must be made by email to conferences@airah.org.au. Please note it is delegates responsibility to arrange their own visas, travel, accommodation, insurances etc.

ACCESS AND EQUITY ISSUES AIRAH welcomes all individuals who would like to participate in any of our conferences.

If you have any issues regarding access or equity, please tick here

You will be contacted by AIRAH for assistance.

PLEASE NOTE The event organisers retain the right to alter or amend any or all of the details of the event, or any other matter associated with the event. Personal insurance for injury or loss of property or baggage is the responsibility of the attendee.

TAX INVOICE upon payment, this document will become a tax invoice for GST purposes and may be used by employees to claim expenses.

ABN NO 81 004 082 928.

Supporting partner



Keynote sponsor



Conference Sponsors



A Member of The Linde Group



www.airah.org.au/iir-gl2010

Australian Institute of Refrigeration, Air Conditioning and Heating

AIRAH, Level 3, 1 Elizabeth Street Melbourne, 3000 • Tel: +61 3 8623 3000 • Fax: +61 3 9614 8949 • Email: david@airah.org.au